



EUROPEAN PARLIAMENT

2009 - 2014

---

*Committee on Industry, Research and Energy*

---

**2011/0401(COD)**

29.6.2012

# **AMENDMENTS 222 - 502**

**Draft report**  
**Teresa Riera Madurell**  
(PE489.637v02-00)

Proposal for a regulation of the European Parliament and of the Council on  
Establishment of Horizon 2020 - The Framework Programme for Research and  
Innovation (2014-2020)

Proposal for a regulation  
(COM(2011)0809 – C7-0466/2011 – 2011/0401(COD))

AM\906699EN.doc

PE492.656v01-00

**EN**

*United in diversity*

**EN**

AM\_Com\_LegReport

**Amendment 222**  
**Jean-Pierre Audy**

**Draft legislative resolution**  
**Citation 7 a (new)**

*Draft legislative resolution*

*Amendment*

**- having regard to the United Nations  
Convention on the Rights of Persons with  
Disabilities ratified by the European  
Union on 23 December 2010,**

Or. en

**Amendment 223**  
**Gunnar Hökmark**

**Proposal for a regulation**  
**Recital 1**

*Text proposed by the Commission*

*Amendment*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ('ERA') in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become **more** competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ('ERA') in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become **a world leading competitive knowledge economy, including in its industry. Especially centres of excellences and frontier research are crucial for attracting further private investments in research and stimulating economic growth, making the Union more competitive and accelerating the Union's transformation into a knowledge society.** To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

**Amendment 224**

**Patrizia Toia**

**Proposal for a regulation**

**Recital 1**

*Text proposed by the Commission*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ("ERA") in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

*Amendment*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ("ERA") in which ***female and male*** researchers (***in accordance with the principle of gender equality in juridical and professional terms***) and scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility, ***given the need to create a European researcher profile.***

**Amendment 225**

**Adam Gierek**

**Proposal for a regulation**

**Recital 1**

*Text proposed by the Commission*

(1) The Union has the objective of

*Amendment*

(1) The Union has the objective of

strengthening its scientific and technological bases by achieving a European Research Area ("ERA") in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

strengthening its scientific and technological bases by achieving a European Research Area ("ERA") in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.  
***The Union's aim is to make the best possible use of Member States' intellectual potential through ensuring that financial resources are distributed appropriately.***

Or. pl

#### *Justification*

*Intellectual potential is spread evenly throughout the EU; however, current research potential is not.*

#### **Amendment 226**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

#### **Proposal for a regulation**

##### **Recital 1**

#### *Text proposed by the Commission*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ('ERA') in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research,

#### *Amendment*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ('ERA') in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more ***sustainable, competitive, and resilient***, including in its industry. To pursue those objectives the Union should carry out

technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

Or. en

#### **Amendment 227**

**Ioannis A. Tsoukalas**

#### **Proposal for a regulation**

##### **Recital 1**

###### *Text proposed by the Commission*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ('ERA') in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

###### *Amendment*

(1) The Union has the objective of strengthening its scientific and technological bases by achieving a European Research Area ('ERA') in which researchers, scientific knowledge and technology circulate freely, and encouraging the Union to become more competitive, including in its industry. To pursue those objectives the Union should carry out activities to implement research **and innovation**, technological development and demonstration, promote international cooperation, disseminate and optimise results and stimulate training and mobility.

Or. en

#### **Amendment 228**

**Adam Gierek**

#### **Proposal for a regulation**

##### **Recital 2**

###### *Text proposed by the Commission*

(2) The Union also has an objective to ensure that the conditions necessary for the

###### *Amendment*

(2) The Union also has an objective to ensure that the conditions necessary for the

competitiveness of the Union's industry exist. For this purpose, action should be aimed at fostering the better exploitation of the industrial potential *of policies* of innovation, research and technological development.

competitiveness of the Union's industry exist. For this purpose, action should be aimed at fostering the better exploitation of the *existing* industrial potential *and at supporting a* policy of *promoting* innovation, research and technological development, *with a view to bringing about the reindustrialisation of the Union and a 'third industrial revolution'*.

Or. pl

### *Justification*

*Following a period in which manufacturing was relocated from Europe to – for the most part – the Far East, a new industrial revolution awaits the Union.*

## **Amendment 229** **Christian Ehler**

### **Proposal for a regulation** **Recital 3**

#### *Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient

#### *Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. ***The Union budget should mirror this ambitious goal by making a radical shift towards funding future-oriented investments, such as R&D and innovation, and this should be clearly visible in a considerable increase in funding for Union R&D&I compared to the funding level of 2013.*** In this context, the Innovation Union flagship initiative

Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

Or. en

### *Justification*

*In order to reach our ambitious EU2020 goals, to solve our grand challenges and to present a way out of the current economic crisis, the proposed budget of 80 billion Euro for Horizon 2020 is not sufficient and falls short of the recommendation by the EP to allocate 100 billion Euro to the programme. The proposed budget represents only a modest increase (around 6%) compared to the funding level of FP7 in 2013.*

### **Amendment 230** **Christian Ehler**

#### **Proposal for a regulation** **Recital 3**

##### *Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation

##### *Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation



Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence *as well as promoting business research and innovation investment and supporting technological and applied research, pilot lines, early product validation actions and first production in Key Enabling Technologies.*

Or. en

**Amendment 231**  
**Patrizia Toia**

**Proposal for a regulation**  
**Recital 3**

*Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and

*Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and

innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence ***for the benefit of scientists and researchers, both female and male, enabling them to carry out advanced research and guarantee high quality leading edge innovation.***

Or. it

## **Amendment 232**

**Gaston Franco**

### **Proposal for a regulation**

#### **Recital 3**

##### *Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research

##### *Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research

and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

***Innovation policy and Cohesion policy should be more closely linked through the inclusion of ‘support for industrial competitiveness’ under the heading of smart specialisation, with assistance towards meeting associated investment capital needs. This would provide a counterweight to initiatives in certain regions of the world which have become much more attractive to industrial investors than Europe.***

Or. fr

**Amendment 233**  
**Francisco Sosa Wagner**

**Proposal for a regulation**  
**Recital 3**

*Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic

*Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. ***It would be desirable for this regulatory framework also to serve as a***

and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

*stimulus for the Member States gradually to increase the budgets which they allocate to RDI, moving towards the setting of a minimum percentage of their GDP as a yardstick; one way of encouraging this increase would be to link the minimum conditions for participating in Horizon 2020 work programmes and plans to compliance with this requirement by the Member States in which the legal entities making the application are based, which would foster excellence and, in the end, equality between countries.* In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

Or. es

#### *Justification*

*This amendment seeks to establish the medium-term goal of including a requirement concerning Member State investment in RDI as one of the minimum conditions required in order to participate in Horizon 2020 actions, with the aim of achieving a balance between levels of excellence across the Member States.*

**Amendment 234**  
**Gunnar Hökmark**

**Proposal for a regulation**  
**Recital 3**

*Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to **reach** 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

*Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase **public** spending on Research and Development **in order to attract private investments, thereby reaching an accumulative total of** 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

Or. en

**Amendment 235**

**Ioan Enciu**

**Proposal for a regulation**

**Recital 3**

*Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and

*Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and

inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity, ***contributing to growth and convergence of the European regions and*** providing a stairway to excellence.

Or. en

#### **Amendment 236**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

#### **Proposal for a regulation**

##### **Recital 3**

###### *Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on

###### *Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on

Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives **and policy objectives**, notably on resource efficient Europe, an industrial policy for the globalisation era, **climate** and **energy policy targets**, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

Or. en

#### **Amendment 237**

**Ioannis A. Tsoukalas**

#### **Proposal for a regulation**

#### **Recital 3**

##### *Text proposed by the Commission*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and

##### *Amendment*

(3) The Union is committed to achieving the Europe 2020 strategy, which has set the objectives of smart, sustainable and inclusive growth, highlighting the role of research and innovation as key drivers of social and economic prosperity and of environmental sustainability and setting itself the goal to increase spending on Research and Development to reach 3 % of gross domestic product (GDP) by 2020 while developing an innovation intensity indicator. In this context, the Innovation Union flagship initiative sets out a strategic and integrated approach to research and innovation, setting the framework and

objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and providing a stairway to excellence.

objectives to which future Union research and innovation funding should contribute. Research and innovation are also key factors for other Europe 2020 flagship initiatives, notably on resource efficient Europe, an industrial policy for the globalisation era, and a digital agenda for Europe. Moreover, for achieving the Europe 2020 objectives relating to research and innovation, Cohesion policy has a key role to play through building capacity and ***infrastructures and*** providing a stairway to excellence.

Or. en

**Amendment 238**  
**Amelia Andersdotter, Christian Engström**

**Proposal for a regulation**  
**Recital 5**

*Text proposed by the Commission*

(5) The European Parliament has called for a radical simplification of Union research and innovation funding in its Resolution of 11 November 2010, has highlighted the importance of the Innovation Union to transform Europe for post-crisis world, in its resolution of 12 May 2011, has drawn attention to important lessons to be learned following the interim evaluation of the Seventh Framework Programme in its resolution of 8 June 2011 and has supported the concept of a common strategic framework for research and innovation funding in its resolution of 27 September 2011<sup>8</sup>.

*Amendment*

(5) The European Parliament has called for a radical simplification of Union research and innovation funding in its Resolution of 11 November 2010, has highlighted the importance of the Innovation Union to transform Europe for post-crisis world, in its resolution of 12 May 2011, has drawn attention to important lessons to be learned following the interim evaluation of the Seventh Framework Programme in its resolution of 8 June 2011 and has supported the concept of a common strategic framework for research and innovation funding in its resolution of 27 September 2011<sup>8</sup>. ***The Horizon 2020 Programme should therefore be granted a substantial budget increase compared to the Seventh Framework Programme, including a transfer of at least 5% of the budget of the Common Agricultural Policy 2014-2020.***



**Amendment 239**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 5**

*Text proposed by the Commission*

(5) The European Parliament has called for a radical simplification of Union research and innovation funding in its Resolution of 11 November 2010, has highlighted the importance of the Innovation Union to transform Europe for post-crisis world, in its resolution of 12 May 2011, has drawn attention to important lessons to be learned following the interim evaluation of the Seventh Framework Programme in its resolution of 8 June 2011 and has supported the concept of a common strategic framework for research and innovation funding in its resolution of 27 September 2011<sup>8</sup> .

*Amendment*

(5) The European Parliament has called for a radical simplification of Union research and innovation funding in its Resolution of 11 November 2010, has highlighted the importance of the Innovation Union to transform Europe for post-crisis world, in its resolution of 12 May 2011, has drawn attention to important lessons to be learned following the interim evaluation of the Seventh Framework Programme in its resolution of 8 June 2011 and has supported the concept of a common strategic framework for research and innovation funding, ***while calling for a doubling of the budget compared to the Seventh Framework Programme*** in its resolution of 27 September 2011 .

**Amendment 240**  
**Konrad Szymański, Angelika Niebler**

**Proposal for a regulation**  
**Recital 5 a (new)**

*Text proposed by the Commission*

*Amendment*

***(5a) In its Resolution of 11 November 2010, the European Parliament has also expressed its reservation to the abolishing of the legal requirement for an opinion by committees of representatives of Member States on the selection of projects with***

*impact on ethics, security and defence.*

Or. en

*Justification*

*This legal requirement applicable within the 7th Framework Programme and supported by the European Parliament by means of the Resolution of 11 November 2010 is also linked with the EU principle of respect for Member States' cultural diversity and ethical options which must be taken into account in the distribution of the relevant funding, and facilitates the information flow to the European Parliament and to the general public in the best possible way, thereby ensuring transparency.*

**Amendment 241**  
**Judith A. Merkies**

**Proposal for a regulation**  
**Recital 6 a (new)**

*Text proposed by the Commission*

*Amendment*

***(6a) The European Parliament Resolution of 12 May 2011 on 'Innovation Union' stressed the importance of accelerating innovation to obtain solutions to the shared grand societal challenges facing European society, namely:***

***- the current demographic changes: an ageing society, growing world population (nutrition, health, disease prevention), urbanisation, social cohesion and migration;***

***- the transition to sustainable management of resources (biological and nonbiological): climate change, renewable energy and energy efficiency, resource efficiency, water scarcity, floods and efforts to secure and substitute critical raw materials;***

***- a strong, stable, equitable and competitive economic base: economic recovery, harnessing a knowledge-based society, and boosting the EU's competitiveness and employment.***

*These three societal challenges are interlinked and encompass all challenges as mentioned under pillar two of Horizon 2020.*

Or. en

**Amendment 242**  
**Adam Gierek**

**Proposal for a regulation**  
**Recital 9 a (new)**

*Text proposed by the Commission*

*Amendment*

*(9a) One of the serious challenges targeted by the provisions of the Horizon 2020 programme is climate change; it therefore follows that climatological scientific research into the causes of climate change, as well as preventing the effects of climate change through defining the possibilities for optimal adaptation, should play a key role.*

Or. pl

*Justification*

*The objective is to gain a better understanding of climate change in order to prevent its effects from being felt and to carry out costly, but necessary, adaptation investments.*

**Amendment 243**  
**Hermann Winkler**

**Proposal for a regulation**  
**Recital 10**

*Text proposed by the Commission*

*Amendment*

(10) In the Communication 'A Budget for Europe 2020', the Commission proposed to address with a single Common Strategic

(10) In the Communication 'A Budget for Europe 2020', the Commission proposed to address with a single Common Strategic

Framework for Research and Innovation the areas covered in the period 2007-2013 under the Seventh Framework Programme for Research and the innovation part of the Competitiveness and Innovation Framework Programme, as well as the European Institute of Innovation and Technology (EIT) in order to serve the Europe 2020 Strategy target of raising spending on Research and Development to 3 % of GDP by 2020. In that Communication, the Commission also committed to mainstream climate change into Union spending programmes and to direct at least 20 % of the Union budget to climate-related objectives. Climate action and resource efficiency are mutually reinforcing objectives for achieving sustainable development. The specific objectives relating to both should be complemented through the other specific objectives of Horizon 2020. *As a result it is expected that at least 60% of the overall Horizon 2020 budget should be related to sustainable development. It is also expected that climate-related expenditure should exceed 35% of the budget, including mutually compatible measures improving resource efficiency. The Commission should provide information on the scale and results of support to climate change objectives. Climate-related expenditure under Horizon 2020 should be tracked in accordance with the methodology stated in that Communication.*

Framework for Research and Innovation the areas covered in the period 2007-2013 under the Seventh Framework Programme for Research and the innovation part of the Competitiveness and Innovation Framework Programme, as well as the European Institute of Innovation and Technology (EIT) in order to serve the Europe 2020 Strategy target of raising spending on Research and Development to 3 % of GDP by 2020. In that Communication, the Commission also committed to mainstream climate change into Union spending programmes and to direct at least 20 % of the Union budget to climate-related objectives. Climate action and resource efficiency are mutually reinforcing objectives for achieving sustainable development. The specific objectives relating to both should be complemented through the other specific objectives of Horizon 2020.

Or. de

**Amendment 244**  
**Adam Gierek**

**Proposal for a regulation**  
**Recital 10**

*Text proposed by the Commission*

(10) In the Communication 'A Budget for Europe 2020'<sup>13</sup>, the Commission proposed to address with a single Common Strategic Framework for Research and Innovation the areas covered in the period 2007-2013 under the Seventh Framework Programme for Research and the innovation part of the Competitiveness and Innovation Framework Programme, as well as the European Institute of Innovation and Technology (EIT) in order to serve the Europe 2020 Strategy target of raising spending on Research and Development to 3 % of GDP by 2020. In that Communication, the Commission also committed to mainstream climate change into Union spending programmes and to direct at least 20 % of the Union budget to ***climate-related*** objectives. ***Climate action*** and resource efficiency are mutually reinforcing objectives for achieving sustainable development. The specific objectives relating to both should be complemented through the other specific objectives of Horizon 2020. As a result it is expected that at least 60% of the overall Horizon 2020 budget should be related to sustainable development. It is also expected that ***climate-related*** expenditure should exceed 35% of the budget, including mutually compatible measures improving resource efficiency. The Commission should provide information on the scale and results of support to climate change objectives. Climate-related expenditure under Horizon 2020 should be tracked in accordance with the methodology stated in that Communication.

*Amendment*

(10) In the Communication 'A Budget for Europe 2020', the Commission proposed to address with a single Common Strategic Framework for Research and Innovation the areas covered in the period 2007-2013 under the Seventh Framework Programme for Research and the innovation part of the Competitiveness and Innovation Framework Programme, as well as the European Institute of Innovation and Technology (EIT) in order to serve the Europe 2020 Strategy target of raising spending on Research and Development to 3 % of GDP by 2020. In that Communication, the Commission also committed to mainstream climate change ***issues*** into Union spending programmes and to direct at least 20 % of the Union budget to objectives ***linked to the climate-energy package. Actions in this area*** and resource efficiency are mutually reinforcing objectives for achieving sustainable development, ***i.e., development that takes into consideration social cohesion, ecology and economic competitiveness***. The specific objectives relating to both should be complemented through the other specific objectives of Horizon 2020. As a result it is expected that at least 60% of the overall Horizon 2020 budget should be related to sustainable development. It is also expected that expenditure ***related to the effects of climate change*** should exceed 35% of the budget, including mutually compatible measures improving resource efficiency. The Commission should provide information on the scale and results of support to climate change objectives. Climate-related expenditure under Horizon 2020 should be tracked in accordance with the methodology stated in that Communication.

Or. pl

## Justification

*The amendment specifies the objectives in respect of which the EU budget will allocate significant funds aimed at fostering sustainable development.*

### Amendment 245

Giles Chichester, Vicky Ford

#### Proposal for a regulation

##### Recital 11

###### *Text proposed by the Commission*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities covering the entire spectrum from research to market. Horizon 2020 should support all stages in the innovation chain, ***especially activities closer to the market*** including innovative financial instruments, as well as non-technological and social innovation, ***and aims to satisfy the research needs of a broad spectrum of Union policies by placing emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation.*** The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

###### *Amendment*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities covering the entire spectrum from research to market. ***While the Union added value lies mainly in funding pre-competitive, transnational, collaborative research, which should form the heart of Horizon 2020, it is also necessary to place emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation. Therefore,*** Horizon 2020 should support all stages in the ***research and*** innovation chain, including ***basic research, applied research, knowledge transfer,*** innovative financial instruments, as well as non-technological and social innovation. ***Horizon 2020 should apply a sliding scale, whereby the closer to the market the supported activity comes, the smaller the part should be that will be funded by***

*Horizon 2020, and the bigger the part that should attract funding from other sources, such as the Structural Funds, national/regional funding or the private sector.* The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

Or. en

**Amendment 246**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 11**

*Text proposed by the Commission*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities covering the entire spectrum from research to market. Horizon 2020 should support all stages in the innovation chain, *especially activities closer to the market* including innovative financial instruments, as well as non-technological and social innovation, *and aims to satisfy the research needs of a broad spectrum of Union policies by placing emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation.* The priorities of Horizon 2020 should also be supported through a programme under the Euratom

*Amendment*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities covering the entire spectrum from research to market. *While the Union added value lies mainly in funding pre-competitive, transnational, collaborative research, which should form the heart of Horizon 2020, it is necessary to place as well emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation.. Therefore,* Horizon 2020 should support all stages in the *research and* innovation chain, including *basic research, applied research, knowledge transfer,* innovative

Treaty on nuclear research and training.

financial instruments, as well as non-technological and social innovation. ***Horizon 2020 should trigger considerable leverage from other sources, whereby activities closer to the market should attract funding from the Structural Funds, national/regional funding and the private sector.*** The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

Or. en

### *Justification*

*Seamless support for R&D and innovation activities should be provided, but the right balance should be kept. The heart of Horizon 2020 should remain transnational, collaborative pre-competitive R&D projects, while the results of these projects should have a real impact and be better used towards new products and services to help solve societal challenges and exploit economic opportunities. The closer to the market the activity gets, the less funding is required and is desirable from Horizon 2020, also giving the size of funding associated with this kind of activities.*

### **Amendment 247** **Gunnar Hökmark**

#### **Proposal for a regulation** **Recital 11**

##### *Text proposed by the Commission*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities

##### *Amendment*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities



covering the entire spectrum from research to market. Horizon 2020 should support all stages in the innovation chain, especially activities closer to the market ***including innovative financial instruments***, as well as non-technological and social innovation, and aims to satisfy the research needs of a broad spectrum of Union policies by placing emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation. The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

covering the entire spectrum from research to market. Horizon 2020 should support all stages in the innovation chain, especially ***frontier and cutting edge research and*** activities closer to the market, as well as non-technological and social innovation, and aims to satisfy the research needs of a broad spectrum of Union policies by placing emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation. The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

Or. en

**Amendment 248**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 11**

*Text proposed by the Commission*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities covering the entire spectrum from research to market. Horizon 2020 should support all stages in the innovation chain, especially activities closer to the market including innovative financial instruments, as well as non-technological and social innovation, and aims to satisfy the research needs of a

*Amendment*

(11) Horizon 2020 - the Framework Programme for Research and Innovation in the European Union (hereinafter ‘Horizon 2020’), focuses on three priorities, namely generating excellent science in order to strengthen the Union's world-class excellence in science, fostering ***global*** industrial leadership to support business, including small and medium-sized enterprises (SME) and innovation and tackling societal challenges, in order to respond directly to the challenges identified in the Europe 2020 strategy by supporting activities covering the entire spectrum from research to market. Horizon 2020 should support all stages in the innovation chain, especially activities closer to the market including innovative financial instruments, as well as non-technological and social innovation, and

broad spectrum of Union policies by placing emphasis on the widest possible use and dissemination of knowledge generated by the supported activities up to its commercial exploitation. The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

aims to satisfy the research needs of a broad spectrum of Union policies by placing emphasis on the widest possible use and dissemination of knowledge, ***in the form of scientific and innovative results, artefacts, methods and processes,*** generated by the supported activities up to its commercial exploitation. The priorities of Horizon 2020 should also be supported through a programme under the Euratom Treaty on nuclear research and training.

Or. en

**Amendment 249**  
**Christian Ehler, Kent Johansson**

**Proposal for a regulation**  
**Recital 11 a (new)**

*Text proposed by the Commission*

*Amendment*

***(11a) In order to ensure the appropriate balance between consensus-based and more disruptive R&D&I, at least 35% of the budget of the societal challenges and industrial leadership should follow a bottom-up logic, establishing open calls without predefined call topics, open to all types of participants. Furthermore, the right balance should be struck within the societal challenges and the enabling and industrial technologies between smaller and bigger projects, taking into account the specific sector structure, type of activity, technology and research landscape.***

Or. en

**Amendment 250**  
**Christian Ehler, Kent Johansson, Maria Da Graça Carvalho**

**Proposal for a regulation**  
**Recital 11 b (new)**

*Text proposed by the Commission*

*Amendment*

***(11b) While the Union added value lies mainly in funding pre-competitive, transnational, collaborative research, which should attain in Horizon 2020 at least the levels of the Seventh Framework programme, it is necessary to place special emphasis on the shift towards funding innovation within Horizon 2020. The 'Fast Track to Innovation' instrument provides for a sped-up selection process and a fit for purpose design to ensure fast realisation of innovative projects. Horizon 2020 should support all stages in the innovation chain, including innovative financial instruments, as well as non-technological and social innovation.***

Or. en

*Justification*

*It is important to provide a seamless support for R&D and innovation activities in order to ensure effective knowledge and technology transfer, but the right balance should be kept. The heart of Horizon 2020 should remain transnational, collaborative pre-competitive R&D projects, while more should be done to ensure that the results of these projects have a real impact and are being used towards new products and services to help solve societal challenges and exploit economic opportunities.*

**Amendment 251**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 13**

*Text proposed by the Commission*

*Amendment*

(13) In the context of the knowledge triangle of research, education and

(13) In the context of the knowledge triangle of research, education and

innovation, the Knowledge and Innovation Communities under the European Institute of Innovation and Technology should strongly contribute to addressing the objectives of Horizon 2020, including the societal challenges, notably by integrating research, education and innovation. In order to *ensure complementarities across Horizon 2020 and the adequate absorption of funds, the financial contribution to the European Institute of Innovation and Technology should be made in two allocations, with the second subject to a review.*

innovation, the Knowledge and Innovation Communities under the European Institute of Innovation and Technology should strongly contribute to addressing the objectives of Horizon 2020, including the societal challenges, notably by integrating research, education and innovation. In order to *assess the added value of KICs versus other types of Public Private Partnerships, the Commission should undertake a comprehensive evaluation of all the types of public-private partnerships established under its different research and innovation programmes with a view to rationalising and simplifying the landscape for research and innovation in the future framework programme. The evaluation will assess the most effective, open and transparent set-up and governance model to ensure that a wide variety of relevant stakeholder and actors participate, including especially universities, research organisations and SMEs.*

Or. en

## **Amendment 252**

**Ioannis A. Tsoukalas**

### **Proposal for a regulation**

#### **Recital 13**

##### *Text proposed by the Commission*

(13) In the context of the knowledge triangle of research, education and innovation, the Knowledge and Innovation Communities under the European Institute of Innovation and Technology should strongly contribute to addressing the objectives of Horizon 2020, including the societal challenges, notably by integrating research, education and innovation. In order to ensure complementarities across Horizon 2020 and the adequate absorption

##### *Amendment*

(13) In the context of the knowledge triangle of research, education and innovation, the Knowledge and Innovation Communities under the European Institute of Innovation and Technology should strongly contribute to addressing the objectives of Horizon 2020, including the societal challenges, notably by integrating research, education and innovation. ***The EIT is the single instrument within the Horizon 2020 framework that has a***

of funds, the financial contribution to the European Institute of Innovation and Technology should be made in two allocations, with the second subject to a review.

***strong emphasis on the educational dimension of the knowledge triangle, and promises to tackle the 'European paradox' through entrepreneurial education that will lead to the creation of innovative, knowledge-based start-ups and spin-offs.***  
In order to ensure complementarities across Horizon 2020 and the adequate absorption of funds, the financial contribution to the European Institute of Innovation and Technology should be made in two allocations, with the second subject to a review, ***based on the overall EIT and individual KICs' performance.***

Or. en

**Amendment 253**  
**Marisa Matias**

**Proposal for a regulation**  
**Recital 14**

*Text proposed by the Commission*

(14) Horizon 2020 should contribute to the aims of the European Innovation Partnerships in line with the flagship initiative Innovation Union, bringing together all relevant actors across the whole research and innovation chain in view of streamlining, simplifying and better coordinating instruments and initiatives.

*Amendment*

(14) Horizon 2020 should contribute to the aims of the European Innovation Partnerships in line with the flagship initiative Innovation Union, bringing together all relevant actors across the whole research and innovation chain, ***with special attention to include small and medium enterprises (SMEs), small and medium universities (SMUs) and small scale research centres and civil society,*** in view of streamlining, simplifying and better coordinating instruments and initiatives.

Or. en

**Amendment 254**  
**Catherine Trautmann**

**Proposal for a regulation**  
**Recital 15**

*Text proposed by the Commission*

(15) Simplification is a central aim of Horizon 2020 which should be fully reflected in its design, rules, financial management and implementation. Horizon 2020 should aim to attract the strong participation of universities, research centres, industry and specifically SMEs and be open to new participants, as it brings together the full range of research and innovation support in one common strategic framework, including a streamlined set of forms of support and uses rules for participation with principles applicable to all actions under the programme. Simpler funding rules should reduce the administrative costs for participation and will contribute to a reduction of financial errors.

*Amendment*

(15) Simplification is a central aim of Horizon 2020 which should be fully reflected in its design, rules, financial management and implementation. Horizon 2020 should aim to attract the strong participation of universities, research centres, industry and specifically SMEs – ***too few of which are involved in research programmes, despite the measures already in place*** – and ***should*** be open to new participants, ***notably from civil society***. ***Horizon 2020*** brings together the full range of research and innovation support in one common strategic framework, including a streamlined set of forms of support and uses rules for participation with principles applicable to all actions under the programme. Simpler funding rules should reduce the administrative costs for participation and will contribute to a reduction of financial errors.

Or. fr

**Amendment 255**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 15**

*Text proposed by the Commission*

(15) Simplification is a central aim of Horizon 2020 which should be fully reflected in its design, rules, financial management and implementation. Horizon 2020 should aim to attract the strong participation of universities, research centres, industry and specifically SMEs and be open to new participants, as it brings together the full range of research

*Amendment*

(15) Simplification is a central aim of Horizon 2020 which should be fully reflected in its design, rules, financial management and implementation. Horizon 2020 should aim to attract the strong participation of universities, research centres, industry and specifically SMEs and be open to new participants, as it brings together the full range of research

and innovation support in one common strategic framework, including a streamlined set of forms of support and uses rules for participation with principles applicable to all actions under the programme. Simpler funding rules should reduce the administrative costs for participation and will contribute to **a** reduction of financial errors.

and innovation support in one common strategic framework, including a streamlined set of forms of support and uses rules for participation with principles applicable to all actions under the programme. Simpler funding rules should reduce the administrative costs for participation and will contribute to **the prevention and the** reduction of financial errors.

Or. en

**Amendment 256**

**Alejo Vidal-Quadras, Cristina Gutiérrez-Cortines, Pilar del Castillo Vera**

**Proposal for a regulation**

**Recital 15 a (new)**

*Text proposed by the Commission*

*Amendment*

***(15a) In view of the steps towards further externalisation of the Union's research and innovation funding, the method and the extent of externalisation should be determined according to the results of an independent impact assessment, which evaluates all advantages of the various forms of externalisation such as Joint Technology Initiatives, Public-Private Partnerships or Research Executive Agencies.***

Or. en

**Amendment 257**

**Vicky Ford**

**Proposal for a regulation**

**Recital 15 a (new)**

*Text proposed by the Commission*

*Amendment*

***(15a) The use of open calls with dedicated***

*fast-track procedures should be extended to collaborative R&D in certain time-critical domains, in order to accelerate the exploitation of research results and to ensure opportunities are realised where speed is critical.*

Or. en

**Amendment 258**  
**Jean-Pierre Audy**

**Proposal for a regulation**  
**Recital 15 a (new)**

*Text proposed by the Commission*

*Amendment*

*(15a) Given that the Commission intends to externalise the Union's funding of research and innovation to a greater extent, the method by which it does so and the scope of the externalisation should be determined in accordance with the findings of an independent impact assessment evaluating all the advantages and disadvantages of the various forms of externalisation, including Joint Technology Initiatives (JTIs), partnership programme agreements and agencies such as the Research Executive Agency (REA), addressing the issues of cost, effectiveness, speed and quality, and drawing on the expertise of all the stakeholders in European research.*

Or. fr

**Amendment 259**  
**Francisco Sosa Wagner**

**Proposal for a regulation**  
**Recital 15 a (new)**



*Text proposed by the Commission*

*Amendment*

***(15a) Account should be taken of the United Nations Convention on the Rights of Persons with Disabilities, which was ratified by the European Union on 23 December 2010.***

Or. es

*Justification*

*The reference to this Convention will serve as a reminder in relation to the rights of persons with disabilities.*

**Amendment 260**

**Vicky Ford**

**Proposal for a regulation**

**Recital 15 b (new)**

*Text proposed by the Commission*

*Amendment*

***(15b) In view of the stated intentions of the European Commission to make further steps towards externalising the Union's research and innovation funding, the method and extent of externalisation should be determined according to the results of an independent impact assessment. The assessment should evaluate all advantages and disadvantages of the various forms of externalisation (such as JTIs, PPPs, REAs) taking into account cost, efficiency, speed and quality as well as input from a range of expert Union research stakeholders.***

Or. en

**Amendment 261**

**Jean-Pierre Audy**

**Proposal for a regulation**  
**Recital 15 b (new)**

*Text proposed by the Commission*

*Amendment*

***(15b) The use of open calls with specific accelerated procedures should be extended to collaborative R&D in certain time-critical fields so as to ensure that research findings can be put to use more quickly.***

Or. fr

**Amendment 262**  
**Henri Weber**

**Proposal for a regulation**  
**Recital 16**

*Text proposed by the Commission*

*Amendment*

(16) In accordance with Article 182(1) *TFEU*, the framework programme fixes the maximum overall amount and the detailed rules for Union financial participation in the framework programme and the respective shares in each of the activities provided for.

(16) In accordance with Article 182(1) of *the Treaty on the Functioning of the European Union*, the framework programme fixes the maximum overall amount and the detailed rules for Union financial participation in the framework programme and the respective shares in each of the activities provided for ***in Article 180 of the Treaty.***

Or. fr

**Amendment 263**  
**Jean-Pierre Audy, Gaston Franco, Françoise Grossetête**

**Proposal for a regulation**  
**Recital 16**

*Text proposed by the Commission*

*Amendment*

(16) In accordance with Article 182(1)

(16) In accordance with Article 182(1) of

TFEU, the framework programme fixes the maximum overall amount and the detailed rules for Union financial participation in the framework programme and the respective shares in each of the activities provided for.

*the Treaty on the Functioning of the European Union*, the framework programme fixes the maximum overall amount and the detailed rules for Union financial participation in the framework programme and the respective shares in each of the activities provided for **in Article 180 of the Treaty**.

Or. fr

#### *Justification*

*Article 180 TFEU establishes the activities that may be carried out within the framework programme and Article 182 'fix[es] the maximum overall amount and the detailed rules for Union financial participation in the framework programme and the respective shares in each of the activities provided for'.*

#### **Amendment 264** **Christian Ehler**

#### **Proposal for a regulation** **Recital 17 a (new)**

*Text proposed by the Commission*

*Amendment*

***(17a) In order for the European Parliament to be able to exercise its function of political control and to ensure transparency and accountability, as stipulated in the Treaty, the Commission should duly and regularly inform the European Parliament of all relevant aspects of the implementation of the programme, including the preparation and drawing-up of the Work Programmes, the execution and possible need for adjustment of the budgetary breakdown, and the development of the performance indicators in terms of objectives pursued and expected results.***

Or. en

**Amendment 265**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 19**

*Text proposed by the Commission*

(19) The implementation of Horizon 2020 may give rise to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU.

*Amendment*

(19) The implementation of Horizon 2020 may give rise to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU. ***There should be no establishment of further joint undertakings under Article 187 TFEU. The establishment of public-private partnerships should be exceptional, and justified by the demonstration that no other type of financing mechanisms can deliver the same objectives. In addition, the Commission should undertake a comprehensive evaluation and review of the different types of public-private partnerships established (including the Joint Technology Initiatives, the Public Private Partnerships under the European Recovery Programme of 2009, the European Industrial Initiative under the SET-Plan and the Knowledge and Innovation Communities under the European Institute of Technology) with a view at identifying the most effective, open and transparent governance and functioning rules, that will enable the widest participation of relevant stakeholders, the engagement of a large number of SMEs, the generation and sharing of knowledge, and the appropriate avoidance of conflict of interests.***

Or. en

**Amendment 266**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 19**

*Text proposed by the Commission*

(19) The implementation of Horizon 2020 may give rise to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU.

*Amendment*

(19) The implementation of Horizon 2020 may give rise ***-under specific conditions and on a case-by-case basis-*** to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU. ***These supplementary programmes or arrangements should have a clear EU added value, be based on genuine partnerships, complement other activities under Horizon 2020, and be as inclusive as possible in terms of participation by Member States, SMEs or industry, universities and research and technology organisations.***

Or. en

*Justification*

*The FP7 trend towards outsourcing parts of the budget by creating partnerships has been accentuated in the current proposal. Whereas this option has the potential of achieving a higher leverage effect and responds to the logic of a better articulation of the European research landscape, an overreliance on this kind of structures (PPP and P2P) might not be too realistic right now and might just be undertaken by a few actors, giving way to further polarization of our science and technology base.*

**Amendment 267**  
**Henri Weber**

**Proposal for a regulation**  
**Recital 19**

*Text proposed by the Commission*

(19) The implementation of Horizon 2020 may give rise to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 *TFEU*.

*Amendment*

(19) The implementation of Horizon 2020 may give rise, ***under specific conditions***, to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 *of the Treaty on the Functioning of the European Union. These supplementary programmes or arrangements should have clear European added value, be based on genuine partnerships, complement other activities under Horizon 2020, and be as inclusive as possible in terms of participation by Member States or EU industry.*

Or. fr

**Amendment 268**  
**Francisco Sosa Wagner**

**Proposal for a regulation**  
**Recital 19**

*Text proposed by the Commission*

(19) The implementation of Horizon 2020 may give rise to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 *TFEU*.

*Amendment*

(19) The implementation of Horizon 2020 may give rise - ***under specific conditions*** - to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 *TFEU. These supplementary programmes or agreements should have a clear Union added value, be based on genuine*

*partnerships, complement other activities under Horizon 2020, and be as inclusive as possible in terms of participation by Member States or European Union industry.*

Or. es

*Justification*

*This amendment seeks to define the cases where only some Member States may have access to supplementary programmes or agreements, laying down specific conditions which must be met.*

**Amendment 269**

**Marisa Matias**

**Proposal for a regulation**

**Recital 19**

*Text proposed by the Commission*

(19) The implementation of Horizon 2020 may give rise to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU.

*Amendment*

(19) The implementation of Horizon 2020 may give rise - ***under specific and transparent conditions*** - to supplementary programmes involving the participation of certain Member States only, the participation of the Union in programmes undertaken by several Member States, or the setting up of joint undertakings or other arrangements within the meaning of Articles 184, 185 and 187 TFEU.

Or. en

**Amendment 270**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation**

**Recital 20**

*Text proposed by the Commission*

(20) With the aim of deepening the relationship between science and society **and reinforcing public confidence in science**, Horizon 2020 should favour **an informed engagement** of citizens and civil society **on** research and innovation **matters** by promoting science education, by making scientific knowledge more accessible, by developing **responsible research and innovation agendas** that meet citizens' and civil society's concerns and expectations and **by facilitating** their participation in Horizon 2020 activities.

*Amendment*

(20) With the aim of deepening the relationship between science and society, Horizon 2020 should favour **responsible research and innovation through the active participation of the societal actors (researchers, citizens and civil society, policy makers and industry) in the research and innovation process, notably by ensuring the uptake of the gender dimension, by promoting science education, by guaranteeing the respect of ethical legislation and promoting the emergence of an adherence to the highest ethical standards worldwide, by increasing the accessibility and re-use of the results of publicly funded research, in particular scientific publications and data, by making scientific knowledge more accessible, by developing a governance framework** that meet citizens' and civil society's concerns and expectations and **facilitates** their participation in Horizon 2020 activities.

Or. en

**Amendment 271**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

**Proposal for a regulation**

**Recital 20**

*Text proposed by the Commission*

(20) With the aim of deepening the relationship between science and society **and reinforcing public confidence in science**, Horizon 2020 should **favour an informed engagement** of citizens and civil society **on** research and innovation **matters** **by promoting** science education, **by making** scientific **knowledge more**

*Amendment*

(20) With the aim of deepening the relationship between science and society Horizon 2020 should: **promote active participation and** informed engagement of citizens, **civil society** and **societal actors (researchers, citizens and civil society, policy makers and industry) in the research and innovation process; ensure**



*accessible, by developing* responsible research and innovation agendas that *meet* citizens' and civil society's concerns and expectations and by *facilitating* their participation in Horizon 2020 activities.

*the uptake of the gender dimension; promote excellent* science education; *guarantee the respect of ethical legislation and promoting the emergence of and adherence to the highest ethical standards worldwide; increase the accessibility and re-use of the results of publicly funded research, in particular* scientific *publications and data; develop* responsible research and innovation *and governance framework* agendas that *meets* citizens' and civil society's concerns and expectations and by *reinforcing* their participation in *the setting of research priorities of* Horizon 2020 activities.

Or. en

**Amendment 272**  
**Francisco Sosa Wagner**

**Proposal for a regulation**  
**Recital 20**

*Text proposed by the Commission*

(20) With the aim of deepening the relationship between science and society *and reinforcing public confidence in science*, Horizon 2020 should favour *an informed* engagement of citizens and civil society *on* research and innovation *matters* by promoting science education, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

*Amendment*

(20) With the aim of deepening the relationship between science and society, Horizon 2020 should favour *responsible research and innovation through the active* engagement of *societal actors (researchers, citizens and civil society, policymakers and industry) in the* research and innovation *process, ensuring in particular that account is taken of the gender dimension, and* by promoting science education, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

Or. es

### *Justification*

*This amendment improves the wording of the recital, strengthening the idea of participation by all societal actors and pointing out that the gender dimension must be taken into account.*

#### **Amendment 273** **Teresa Riera Madurell**

#### **Proposal for a regulation** **Recital 20**

##### *Text proposed by the Commission*

(20) With the aim of deepening the relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

##### *Amendment*

(20) With the aim of deepening the relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible ***by creating a repository of all research results***, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities. ***The engagement of citizens and civil society should be coupled by public outreach activities to generate and sustain public support to the programme.***

Or. en

#### **Amendment 274** **Ioan Enciu**

#### **Proposal for a regulation** **Recital 20**

##### *Text proposed by the Commission*

(20) With the aim of deepening the

##### *Amendment*

(20) With the aim of deepening the

relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by ***closing the digital, research and innovation divide and tackling digital illiteracy***, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

Or. en

**Amendment 275**  
**Catherine Trautmann**

**Proposal for a regulation**  
**Recital 20**

*Text proposed by the Commission*

(20) With the aim of deepening the relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

*Amendment*

(20) With the aim of deepening the relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible, ***by engaging in consultation***, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating ***and supporting*** their participation in Horizon 2020 activities.

Or. fr

**Amendment 276**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 20**

*Text proposed by the Commission*

(20) With the aim of deepening the relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible, by developing responsible research and innovation agendas that meet citizens' and civil society's concerns and expectations and by facilitating their participation in Horizon 2020 activities.

*Amendment*

(20) With the aim of deepening the relationship between science and society and reinforcing public confidence in science, Horizon 2020 should favour an informed engagement of citizens and civil society on research and innovation matters by promoting science education, by making scientific knowledge more accessible, by developing responsible **and ethical** research and innovation agendas that meet citizens' and civil society's concerns, **needs** and expectations and by facilitating **and enhancing** their participation in Horizon 2020 activities.

Or. en

**Amendment 277**

**Kent Johansson, Jens Rohde, Fiona Hall, Vladko Todorov Panayotov, Cristian Silviu Buşoi**

**Proposal for a regulation**  
**Recital 20 a (new)**

*Text proposed by the Commission*

*Amendment*

***(20a) European regional authorities have an important part to play in implementing the European Research Area and in ensuring an efficient coordination of Union financial instruments, in particular in fostering linkages between Horizon 2020 and the Structural Funds, within the framework of smart specialisation strategies. Regions also have a key role in the dissemination and implementation of Horizon 2020 results and in offering complementary funding instruments, such as public procurement.***

**Amendment 278**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 21**

*Text proposed by the Commission*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. *As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments. External advice should be sought on a continuous basis during Horizon 2020, also making use of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.*

*Amendment*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. *The cross- and transdisciplinary nature of the Societal challenges, as well as the need for cross-cutting linkages and interfaces within Horizon 2020, requires the setting up of dedicated Steering Boards. The Boards should be composed of relevant stakeholders from academia, industry, end-users and civil society of the highest repute and appropriate expertise, ensuring a diversity of all sectors and research areas concerned. The Boards should provide input and advice to the Commission on the overall strategy for the Societal Challenge concerned, the establishment of its work programmes, and the areas and criteria for the calls for proposals.*

Or. en

*Justification*

*The move towards more cross-, inter- and transdisciplinarity (by moving from themes to grand challenges) necessitates a new mechanism to set the research and innovation agenda, that should involve all the different research, industrial and societal stakeholders, including the end-users.*

**Amendment 279**  
**Ioannis A. Tsoukalas**

## Proposal for a regulation

### Recital 21

*Text proposed by the Commission*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments. External advice should be sought on a continuous basis during Horizon 2020, **also making use** of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.

*Amendment*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments **and bottom-up approaches, especially with regard to emerging science and technology fields and inter- and trans-disciplinary research**. External advice should be sought on a continuous basis during Horizon 2020. **The input** of relevant structures such as **the European Institute of Innovation and Technology (EIT) and its Knowledge and Innovation Communities (KICs), European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships will be fully taken into account, given their crucial role in the process of identifying the research needs**.

Or. en

## Amendment 280

**Philippe Lamberts**

on behalf of the Verts/ALE Group

## Proposal for a regulation

### Recital 21

*Text proposed by the Commission*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, **policies and society**. **As such, the** agendas should be set in close liaison with stakeholders from all sectors

*Amendment*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from **citizens, society, policy**, science and technology, industry. **The** agendas should be set in **a transparent and participatory way in** close

concerned, and **sufficient flexibility should be allowed for new developments.**

**External** advice should be sought on a continuous basis during Horizon 2020, also making use of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.

liaison with **all relevant** stakeholders from all sectors concerned, **including representatives of the scientific community, researchers, the public sector, civil society organisations and SMEs.**

**Balanced external** advice should be sought on a continuous basis during Horizon 2020, also making use of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships, **ensuring however, that conflicts of interests are avoided.**

Or. en

## Amendment 281

Britta Thomsen

### Proposal for a regulation

#### Recital 21

##### *Text proposed by the Commission*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments. External advice should be sought on a continuous basis during Horizon 2020, **also making use** of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.

##### *Amendment*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments, **also at the level of ongoing project.** External advice should be sought on a continuous basis during Horizon 2020. **The implementation plans** of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships **will be fully taken into account in the process of identifying the research needs.**

Or. en

### *Justification*

*The Technology Platforms are crucial in bringing together researchers and experts representing the major players in the different sectors. They develop Implementation Plans and support the European Commission and the Member States in ensuring its effective implementation. They require considerable human and financial resources and their important role in supporting the Commission in defining the research agenda needs to be recognized.*

#### **Amendment 282**

**Vicky Ford**

#### **Proposal for a regulation**

##### **Recital 21**

###### *Text proposed by the Commission*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments. External advice should be sought on a continuous basis during Horizon 2020, *also* making use of relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.

###### *Amendment*

(21) The implementation of Horizon 2020 should respond to the evolving opportunities and needs from science and technology, industry, policies and society. As such, the agendas should be set in close liaison with stakeholders from all sectors concerned, and sufficient flexibility should be allowed for new developments. External advice should be sought on a continuous basis during Horizon 2020, *where possible* making use of *existing* relevant structures such as European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.

Or. en

#### **Amendment 283**

**Giles Chichester, Vicky Ford**

#### **Proposal for a regulation**

##### **Recital 21 a (new)**

###### *Text proposed by the Commission*

###### *Amendment*

***(21a) Within the "Societal Challenges" priority a challenge-based approach***



*should be followed, in which basic science, applied research, knowledge transfer and innovation are equally important and interlinked components. In order to ensure the appropriate balance between consensus-based and more disruptive R&D&I, at least 15% of the budget of the "Societal Challenges" priority should follow a bottom-up logic with open calls (no predefined call topics). Furthermore, the right balance should be stricken within the "Societal challenges" as well as within the "Industrial leadership" priorities between smaller and bigger projects, taking into account the specific sector structure, type of activity, technology and research landscape, while ensuring an acceptable level of success rate.*

Or. en

**Amendment 284**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 21 a (new)**

*Text proposed by the Commission*

*Amendment*

*(21a) In order to ensure a transparent and efficient implementation process, multiannual indicative roadmaps should be set at the beginning of the programming for each specific objective and cross-cutting theme and a short and transparent drafting process of the annual work programmes should be strived at. The Commission, when preparing and drawing-up the roadmaps and work programmes should involve and inform the European Parliament and the Council in a timely and appropriate manner. External advice should be sought on a continuous basis during Horizon 2020, also making use of relevant structures*

*such as sectoral advisory boards, the newly established Steering Boards, European Technology Platforms, Joint Programming Initiatives and the European Innovation Partnerships.*

Or. en

**Amendment 285**  
**Rolandas Paksas**

**Proposal for a regulation**  
**Recital 21 a (new)**

*Text proposed by the Commission*

*Amendment*

*(21a) To ensure the appropriate balance between consensus-based and more disruptive R&D&I, at least 15% of the budget of the "Societal challenges" priority and of the specific objective "leadership in enabling and industrial technologies" within the "Industrial Leadership" priority should follow a bottom-up, research-driven logic in accordance with the agreed priorities. Furthermore, the right balance should be stricken within the "Societal challenges" and the "Industrial leadership" priorities between smaller and bigger projects, taking into account the specific sector structure, type of activity, technology and research landscape.*

Or. en

**Amendment 286**  
**Alyn Smith**

**Proposal for a regulation**  
**Recital 21 a (new)**

*Text proposed by the Commission*

*Amendment*

***(21a) In order to be able to compete globally, to effectively address the grand societal challenges, and to attain the goals of the Union 2020 Strategy, the Union should make full use of its human resources. Horizon 2020 should be a catalyser and a powerful stimulus for completing the ERA by supporting across the line activities that attract, retain, train and develop research and innovation talent. To reach this aim and to enhance the knowledge transfer and the quantity and quality of researchers, human capital building activities, including those focused specifically at young people and women, should be a standard element in all research and innovation activities funded by the Union.***

Or. en

**Amendment 287**

**Kent Johansson, Jürgen Creutzmann, Jens Rohde, Fiona Hall, Frédérique Ries, Olle Schmidt, Cristian Silviu Buşoi**

**Proposal for a regulation**

**Recital 21 a (new)**

*Text proposed by the Commission*

*Amendment*

***(21a) Industry and SMEs are essential in bringing research results into the markets. Horizon 2020 should leverage investment from the private sector in RDI in order to bring combined public and private R&D investment to 3% of GDP, of which the private sector should be expected to contribute with two thirds.***

Or. en

*Justification*

*March 2010 Council Conclusions.*

**Amendment 288**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 21 a (new)**

*Text proposed by the Commission*

*Amendment*

*(21a) Platforms for dialogue between civil society organisations and researchers should be established in each of the specific objective of 'Leadership in enabling and industrial technologies' priorities and the 'Societal challenges' priority for discussing research priorities and ensure societal engagement in those priority areas.*

Or. en

**Amendment 289**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 21 b (new)**

*Text proposed by the Commission*

*Amendment*

*(21b) To allow for sufficient flexibility over the life-time of Horizon 2020 to address new needs and developments and to take stock and possibly adjust the interaction and cross-cutting between and within the different priorities, the possibility should be created, on the basis of the mid-term review of Horizon 2020, to review the amounts for the specific objectives and priorities and transfer appropriations between them. The power*

*to adopt such acts in accordance with Article 290 of the Treaty on the Functioning of the European Union should be delegated to the Commission. It is of particular importance that the Commission carry out appropriate consultations during its preparatory work, including at expert level. The Commission, when preparing and drawing-up delegated acts, should ensure a simultaneous, timely and appropriate transmission of relevant documents to the European Parliament and to the Council.*

Or. en

#### *Justification*

*It is important to have some budgetary flexibility built in to allow for sufficient room to address future needs and developments, including for so-called "cross-cutting actions". The best procedure to do this is via a delegated act to ensure democratic accountability and quick decision making.*

#### **Amendment 290** **Marisa Matias**

#### **Proposal for a regulation** **Recital 22**

##### *Text proposed by the Commission*

(22) Horizon 2020 should contribute to the attractiveness of the research profession in the Union. Adequate attention should be paid to the European Charter for Researchers and Code of Conduct for the Recruitment of Researchers, together with other relevant reference frameworks defined in the context of the European Research Area, *while respecting their voluntary nature.*

##### *Amendment*

(22) Horizon 2020 should contribute to the attractiveness of the research profession in the Union, ***promoting and implementing all the necessary measures to guarantee and improve decent working conditions for scientific workers in the Union.*** Adequate attention should be paid to the European Charter for Researchers and Code of Conduct for the Recruitment of Researchers, together with other relevant reference frameworks defined in the context of the European Research Area.

Or. en

**Amendment 291**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 22**

*Text proposed by the Commission*

(22) Horizon 2020 should contribute to the attractiveness of the research profession in the Union. **Adequate** attention should be paid to the European Charter for Researchers and Code of Conduct for the Recruitment of Researchers, together with other relevant reference frameworks defined in the context of the European Research Area, while respecting their voluntary nature.

*Amendment*

(22) Horizon 2020 should contribute to the attractiveness of the research profession in the Union **and its professional and social recognition on a Union-wide scale. Full** attention should be paid to the European Charter for Researchers and Code of Conduct for the Recruitment of Researchers, together with other relevant reference frameworks defined in the context of the European Research Area, while respecting their voluntary nature **in order to tackle the continuing phenomenon of brain drain and convert it into a brain gain.**

Or. en

**Amendment 292**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 22 a (new)**

*Text proposed by the Commission*

*Amendment*

**(22a) Horizon 2020 should develop synergies with other Union and Member States policies, especially in education, in order to render the professions of researcher and innovator as attractive, high-status career options for talented young Europeans and for attracting the best talent from third countries. To this end, science, technology, engineering, and mathematics (STEM) education should be promoted, and the gender gap**

*in science and innovation should be tackled, as a necessary means for assuring that the Union will be able to have access to the human capital needed for achieving its research and innovation goals.*

Or. en

**Amendment 293**  
**Frédérique Ries, Kent Johansson**

**Proposal for a regulation**  
**Recital 22 a (new)**

*Text proposed by the Commission*

*Amendment*

*(22a) Horizon 2020 should also help persuade European researchers to remain in Europe, attract researchers from the whole world to Europe and make Europe a more attractive destination for the best researchers. Consideration should therefore be given at EU level to establishing attractive, coordinated tax arrangements for researchers.*

Or. fr

*Justification*

*Coordinated and attractive tax arrangements can help to stem the 'brain drain' from the EU.*

**Amendment 294**  
**Romana Jordan**

**Proposal for a regulation**  
**Recital 22 a (new)**

*Text proposed by the Commission*

*Amendment*

*(22a) Horizon 2020 shall ensure equal opportunities for all European scientific*

*excellence and contribute to achieving a common European Research Area by promoting trust and wider pan-European cooperation in research.*

Or. en

**Amendment 295**  
**Patrizia Toia**

**Proposal for a regulation**  
**Recital 22 a (new)**

*Text proposed by the Commission*

*Amendment*

*(22a) Accessibility of information and communication actions concerning Horizon 2020, including communication concerning supported projects and results, requires the provision of accessible formats for all. Accessible formats include, but are not limited to, large print, Braille, easy-to-read text, audio, video, and electronic format.*

Or. en

*Justification*

*Persons with disabilities should have equal access to information and communication actions concerning Horizon 2020, including communication concerning supported projects and results, all the more so given that it is about public funding.*

**Amendment 296**  
**Konrad Szymański**

**Proposal for a regulation**  
**Recital 23**

*Text proposed by the Commission*

*Amendment*

*(23) The activities developed under Horizon 2020 should aim at promoting*

*(23) Horizon 2020 funded research activities should comply with the Union*



*equality between men and women in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of both female and male researchers, and by integrating the gender dimension into the content of projects in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.*

*acquis communautaire with regard to equal opportunities between men and women. Horizon 2020 should pay attention to excellent science and to professional qualification of scientific and research personal of both sexes involved in research and innovation. In order to assure the effective use of Union funding, the principal distinction for Union research funding should be the excellence of science project and the professional qualification of the research staff.*

Or. en

**Amendment 297**  
**Anna Záborská, Jan Březina**

**Proposal for a regulation**  
**Recital 23**

*Text proposed by the Commission*

*(23) The activities developed under Horizon 2020 should aim at promoting equality between men and women in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of both female and male researchers, and by integrating the gender dimension into the content of projects in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.*

*Amendment*

*(23) Horizon 2020 funded research activities should comply with the Union acquis communautaire with regard to equal opportunities between men and women. Horizon 2020 should pay attention to excellent science and to professional qualification of scientific and research personal of both sexes involved in research and innovation. In order to assure the effective use of Union funding, the principal distinction for Union research funding should be the excellence of science project and the professional qualification of the research staff.*

Or. en

## Amendment 298

Patrizia Toia

### Proposal for a regulation

#### Recital 23

##### *Text proposed by the Commission*

(23) The activities developed under Horizon 2020 should aim at promoting equality between men and women in research and innovation, **by addressing in particular the underlying** causes of gender imbalance, by **exploiting** the full potential of both female and male researchers, and by integrating the gender dimension into the content of projects in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.

##### *Amendment*

(23) The activities developed under Horizon 2020 should aim at promoting equality between men and women in research and innovation, **identifying and eliminating the principal** causes of gender imbalance, by **making use of** the full potential of both female and male researchers **in terms of their outstanding professional qualities and abilities** and by integrating the gender dimension into the content of projects in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.

Or. it

## Amendment 299

Marita Ulvskog, Britta Thomsen

### Proposal for a regulation

#### Recital 23

##### *Text proposed by the Commission*

(23) The activities developed under Horizon 2020 should **aim at promoting** equality between men and women in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of both female and male researchers, **and by integrating** the gender dimension **into**

##### *Amendment*

(23) The activities developed under Horizon 2020 should **promote** equality between men and women in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of both female and male researchers. **Furthermore Horizon 2020 should ensure that the**

the content of *projects* in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.

gender dimension *is integrated in* the content of *research and innovation activities at all stages of the process* in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.

Or. en

**Amendment 300**  
**Konrad Szymański**

**Proposal for a regulation**  
**Recital 23**

*Text proposed by the Commission*

(23) The activities developed under Horizon 2020 should aim at promoting equality between men and women in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of both female and male researchers, *and by integrating the gender dimension into the content of projects* in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.

*Amendment*

(23) The activities developed under Horizon 2020 should aim at promoting equality between men and women in research and innovation, by addressing in particular the underlying causes of gender imbalance, by exploiting the full potential of both female and male researchers in order to improve the quality of research and stimulate innovation. Activities should also aim at the implementation of the principles relating to the equality between women and men as laid down in Articles 2 and 3 of the Treaty on European Union and Article 8 TFEU.

Or. en

*Justification*

*The expression 'gender dimension' is ambiguous when referred to the contents of the projects and can also be associated with controversial and not commonly shared agendas.*

**Amendment 301**  
**Vicky Ford**

**Proposal for a regulation**  
**Recital 23 a (new)**

*Text proposed by the Commission*

*Amendment*

***(23a) Research and innovation often builds on the capacity of scientists, research institutions, businesses and citizens to access, share and use scientific information. To increase the circulation and exploitation of knowledge, sustainable access to scientific publications, already embraced in the Seventh Framework Programme, should be a general principle for scientific publications which receive public funding from Horizon 2020. Furthermore, Horizon 2020 should experiment with online open access to scientific data produced or collected by publicly funded research aiming at open access to such data becoming the general rule by 2020. Where appropriate, the costs of publishing may be covered by the Horizon 2020 budget.***

Or. en

*Justification*

*Based on Teresa Riera Madurell report, amendment 10.*

**Amendment 302**  
**Rolandas Paksas**

**Proposal for a regulation**  
**Recital 23 a (new)**

*Text proposed by the Commission*

*Amendment*

***(23a) All research and innovation builds on the capacity of scientists, research institutions, businesses and citizens to openly access, share and use scientific information. To increase the circulation and exploitation of knowledge, free open online access to scientific publications, already embraced in the Seventh Framework Programme, should be the general principle for scientific publications which receive public funding from Horizon 2020. Furthermore, Horizon 2020 should experiment with online open access to already public scientific data produced or collected by publicly funded research aiming at open access to such data becoming the general rule by 2020.***

Or. en

**Amendment 303**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 23 a (new)**

*Text proposed by the Commission*

*Amendment*

***(23a) To increase the circulation and exploitation of knowledge, free open online access to scientific publications, already embraced in the Seventh Framework Programme, should be the general principle for scientific publications which receive public funding from Horizon 2020. By requiring open access to research publications funded under Horizon 2020, broader dissemination of knowledge and innovation is ensured to citizens (including scientists, innovators, educators, civil servants, entrepreneurs)***

*and companies, especially SMEs, as well as faster returns on Union taxpayers' money invested in research.*

Or. en

**Amendment 304**

**Kent Johansson, Jens Rohde, Fiona Hall, Olle Schmidt, Cristian Silviu Buşoi**

**Proposal for a regulation**

**Recital 23 a (new)**

*Text proposed by the Commission*

*Amendment*

*(23a) Horizon 2020 will encourage and support activities towards exploiting Europe's leadership in the race to develop new processes and technologies promoting sustainable development, in a broad sense, and combating climate change. Such horizontal approach, fully integrated in all Horizon 2020 priorities, will help the Union to prosper in a low-carbon, resource constrained world while building a resource efficient, sustainable and competitive economy.*

Or. en

**Amendment 305**

**Jean-Pierre Audy**

**Proposal for a regulation**

**Recital 23 a (new)**

*Text proposed by the Commission*

*Amendment*

*(23a) Each participant that has received Union funding should make its best efforts to exploit the results it owns in further research or commercially, or to have them exploited by another legal entity for these purposes, in particular through transfer and licensing of results*

*in accordance with Article 41 of  
Regulation (EU) No xxxx/2012 [Rules for  
Participation]*

Or. en

**Amendment 306**  
**Kent Johansson, Cristian Silviu Buşoi**

**Proposal for a regulation**  
**Recital 23 b (new)**

*Text proposed by the Commission*

*Amendment*

*(23b) All research and innovation build on the capacity of scientists, research institutions, businesses and citizens to openly access, share and use scientific information. However, intellectual property rights should be respected.*

Or. en

**Amendment 307**  
**Patrizia Toia**

**Proposal for a regulation**  
**Recital 24**

*Text proposed by the Commission*

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect **fundamental** ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should **also take into account** Article 13 TFEU and reduce the use of animals **in research and testing, with a view ultimately to replacing animal use**. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

(24) Research and innovation activities supported by Horizon 2020 should respect ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. **The Union should also respect the cultural diversity and ethical choices of the Member States, which must be taken into account for funding purposes**. Research activities should **be carried out in accordance with** Article 13 TFEU and **respect the obligation to replace or** reduce the use of animals **for scientific purposes**

*or improve the conditions under which this takes place.* All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU

Or. it

*Justification*

*Article 13 TFEU is more aptly referred to in connection with the ‘three Rs’ (replacement, reduction and refinement); furthermore, this wording is more in line with Article 19(10) of the proposal for a regulation laying down the rules for the participation and dissemination in ‘Horizon 2020. There is no particular justification for limiting this requirement to ‘fundamental’ principles.*

**Amendment 308**

**Frédérique Ries, Kent Johansson**

**Proposal for a regulation**

**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The ***reasoned, regularly updated*** opinions of the European Group on Ethics in Science and New Technologies (***EGE***) should be taken into account, ***which entails, as a prerequisite, a transparent method of selection underpinned by the independence and scientific expertise of the EGE members.*** Research activities should also take into account Article 13 of the Treaty on the Functioning of the European Union and reduce the use of animals in research and testing, with a view ultimately to replacing animal use.



All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 of the Treaty on the Functioning of the European Union.

Or. fr

*Justification*

*Independence in terms of scientific expertise should be sought in both consultative and decision-making bodies.*

**Amendment 309**  
**Konrad Szymański**

**Proposal for a regulation**  
**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. ***Horizon 2020 funding of research activities should respect the legislative provisions and customs of the Member States.*** All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

Or. en

*Justification*

*EU Framework Programs must respect the national constitutional law of Member States when establishing funding for research. EU cannot fund research which is not authorized in*

*Member States.*

**Amendment 310**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

**Proposal for a regulation**

**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical *principles*. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical ***and fundamental human rights***. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account ***as well as the opinion of the European Union Agency for Fundamental Rights and the EU Data Protection Supervisor***. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

Or. en

**Amendment 311**

**Algirdas Saudargas**

**Proposal for a regulation**

**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should

be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. **Research activities should also respect the legislative or administrative provisions and customs of Member States.** All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

Or. en

**Amendment 312**  
**Romana Jordan**

**Proposal for a regulation**  
**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use **by means including strategic development and the incorporation and application of innovative non-animal methods and technologies.** All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

Or. sl

**Amendment 313**  
**Elisabetta Gardini**

**Proposal for a regulation**  
**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. ***Research activities should also respect the legislative or administrative provisions and customs of Member States.*** All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

Or. en

**Amendment 314**  
**Anna Záborská, Jan Březina**

**Proposal for a regulation**  
**Recital 24**

*Text proposed by the Commission*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

*Amendment*

(24) Research and innovation activities supported by Horizon 2020 should respect fundamental ethical principles. The opinions of the European Group on Ethics in Science and New Technologies should be taken into account. Research activities should also take into account Article 13 TFEU and reduce the use of animals in research and testing, with a view ultimately to replacing animal use. ***Horizon 2020 funding of research activities should respect the customs, constitutional and legislative provisions of the Member***

**States.** All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU.

Or. en

**Amendment 315**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 24 a (new)**

*Text proposed by the Commission*

*Amendment*

***(24a) There is no legal ground for using the Union budget for research, development and procurement of military equipment and to give the European Defence Agency (EDA) and national defence ministries and agencies direct access to the Union budget. Defence research should therefore be expressly excluded from Horizon 2020 and no structured cooperation should be established between Horizon 2020 and EDA. For the same reasons, research on dual-use technology should also be excluded from Horizon 2020.***

Or. en

**Amendment 316**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 24 b (new)**

*Text proposed by the Commission*

*Amendment*

***(24b) All calls for proposals in the security research field should be subject***

*first to an ex-ante ethical and societal impact assessment that pays full regard to the potential societal impacts of the underlying R&D agenda. Any important ethical issues and/or societal impacts raised by such an impact assessment should then be fully incorporated into the call for proposals, both as an integrated part of the R&D agenda and through dedicated resources for research and analysis that address specific concerns. In addition, an ethical review should be performed for each project, before and during its implementation.*

Or. en

**Amendment 317**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 24 c (new)**

*Text proposed by the Commission*

*Amendment*

*(24c) A balance should be struck between research in the natural sciences and technology and other sciences, in particular political, social and human sciences. The programme in the field of security should focus on the nature and transformation of conflicts and cooperation, the role of the state, international organisation, non-state actors and civil society actors, but also on conflict prevention, peace building and civilian security sectors reform.*

Or. en

**Amendment 318**  
**Konrad Szymański**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

***(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells, be they adult or embryonic, if any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals from the Member States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.***

*Amendment*

***(25) Attention should be paid to the considerable differences between national legislations of Member States with regard to research using human embryos and human embryonic stem cells. Union research policy should not lead to harmonise national legislation of Member States. The Commission should remember its statement, with regard to the Seventh Framework Programme, to continue the current practice and not submit to the Regulatory Committee proposals for projects which include research activities which destroy human embryos, including for the procurement of stem cells<sup>1</sup>. This commitment should be included in this Regulation in order to ensure legal continuity.***

---

<sup>1</sup> ***Point 12 of the Commission statement regarding Article 6 annexed to Decision 1982/2006/EC of the European parliament and of the Council of 18 December 2006 concerning the 7th FRP of the EC for research, technological development and demonstration activities, OJ L 412, 30.12.2006, p.1***

Or. en

*Justification*

*The purpose of this amendment is to give legal force to the EU Commissions commitment of stem cell research.*

**Amendment 319**  
**Elisabetta Gardini**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

**(25) *The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells, be they adult or embryonic, if any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals from the Member States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.***

*Amendment*

**(25) *There are considerable differences between national legislations on research using human embryos and human embryonic stem cells. Union policy should not seek to harmonise national legislation. In connection with the Seventh Framework Programme, the Commission stated that it would 'continue with the current practice and [would] not submit to the Regulatory Committee proposals for projects which include research activities which destroy human embryos, including for the procurement of stem cells'<sup>1</sup>. It is desirable to insert this commitment into this Regulation in order to ensure legal certainty.***

---

<sup>1</sup> *Point 12 of the Commission statement re Article 6, annexed to Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007-2013), OJ L 412, 30.12.2006, p. 1.*

Or. en

**Amendment 320**  
**Anna Záborská, Jan Březina**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

**(25) *The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human***

*Amendment*

**(25) *Attention should be paid to the considerable differences between national legislations of Member States with regard***



*stem cells, be they adult or embryonic, if any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals from the Member States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.*

*to research using human embryos and human embryonic stem cells. Union research policy should not lead to harmonize national legislation of Member States. The Commission should remember its declaration, with regard to the Seventh Framework Programme, to continue the current practice and not submit to the Regulatory Committee proposals for projects which include research activities which destroy human embryos, including for the procurement of stem cells<sup>1</sup>. This commitment should be included in this Regulation in order to ensure legal continuity.*

---

<sup>1</sup> *Point 12 of the Commission statement regarding Article 6 annexed to Decision 1982/2006/EC of the European parliament and of the Council of 18 December 2006 concerning the 7th FRP of the EC for research, technological development and demonstration activities, OJ L 412, 30.12.2006, p.1*

Or. en

**Amendment 321**  
**Fiona Hall, Kent Johansson**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells, be they adult or embryonic, ***if any, depends*** on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the

*Amendment*

(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. ***However, it is recognised that stem cell research has the potential to lead to the development of treatments and therapies for patients suffering from a host of diseases and illnesses including incurable neurodegenerative conditions such as Parkinson's, motor neurone disease and***

necessary approvals from the Member States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

***multiple sclerosis, as well as type 1 diabetes, cardiovascular conditions, liver damage, spinal cord damage and blindness. Many of these conditions will increase in prevalence with an ageing population. To enable a better understanding of the massive potential of stem cells, scientists should be able to continue research in all avenues of stem cell research if this is allowed in the Member State in question.*** The use of human stem cells, be they adult or embryonic, ***does, however, depend*** on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals from the Member States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

Or. en

**Amendment 322**  
**Frédérique Ries, Françoise Grossetête**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

(25) The European Commission ***does not explicitly solicit*** the use of human ***embryonic*** stem cells. The use of human stem cells, ***be they adult or embryonic***, if any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. ***No project*** involving the use of human embryonic stem cells ***should*** be funded ***that does not obtain the necessary approvals from*** the Member

*Amendment*

(25) The European Commission ***is concerned about matters of fairness in*** the use of human stem cells, ***whether adult, embryonic or from the umbilical cord.*** The use of human stem cells, if any, depends on the judgement of the scientists in view of the ***therapeutic*** objectives they want to achieve and is subject to stringent Ethics Review. ***Projects*** involving the use of human embryonic stem cells ***may*** be funded ***provided that they have been duly***

States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

*approved by* the Member States *concerned*. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden. ***However, medical research on all types of stem cell shall be funded in Member States where such activity is authorised.***

Or. fr

#### *Justification*

*It is important to adopt an objective, tolerant and impartial approach to the sensitive issue of research into the various types of stem cell, particularly those from supernumerary embryos.*

### **Amendment 323**

**Oreste Rossi**

#### **Proposal for a regulation**

##### **Recital 25**

###### *Text proposed by the Commission*

(25) The European Commission ***does not explicitly solicit*** the use of human embryonic stem cells. The use of human stem cells, ***be they adult or embryonic, if any***, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded ***that does not obtain the necessary approvals from the Member States***. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

###### *Amendment*

(25) ***Stem cells have proved their effectiveness in various medical treatments, particularly in the field of regenerative medicine. The Union should therefore continue to encourage research in this direction.*** The European Commission, ***however, acknowledges that human embryo stem cell research raises ethical issues and therefore expressly refrains from soliciting*** the use of human embryonic stem cells. The use of ***adult human stem cells, in particular those obtained from umbilical cord blood or induced pluripotent stem cells***, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded. No activity should be funded that is forbidden in all Member States. No activity should be

funded in a Member State where such activity is forbidden.

Or. it

**Amendment 324**  
**Algirdas Saudargas**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells, be they adult or embryonic, ***if any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No*** project involving the use of human embryonic stem cells should be funded ***that does not obtain the necessary approvals from the Member States. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.***

*Amendment*

(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells be they adult or embryonic, ***differs*** in the ***Member States. Therefore no*** project involving the use of human embryonic stem cells should be funded from the ***European Union budget.***

Or. en

**Amendment 325**  
**Vicky Ford**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells, be they adult or embryonic, if

*Amendment*

(25) The European Commission does not explicitly solicit the use of human embryonic stem cells. The use of human stem cells, be they adult or embryonic, if

any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals **from** the Member **States**. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

any, depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals **under the law of the** Member **State concerned**. No activity should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

Or. en

**Amendment 326**  
**Patrizia Toia**

**Proposal for a regulation**  
**Recital 25**

*Text proposed by the Commission*

(25) ***The European Commission does not explicitly solicit the use of human embryonic stem cells.*** The use of human stem cells, ***be they adult or embryonic, if any,*** depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review. ***No project involving the use of human embryonic stem cells should be funded that does not obtain the necessary approvals from the Member States.*** No ***activity*** should be funded that is forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

*Amendment*

(25) The use of ***adult*** human stem cells depends on the judgement of the scientists in view of the objectives they want to achieve and is subject to stringent Ethics Review ***organised by the European Commission.*** ***No activities*** should be funded that ***are*** forbidden in all Member States. No activity should be funded in a Member State where such activity is forbidden.

Or. it

*Justification*

*The principle of subsidiarity must be respected in a sector with ethical options and legal solutions differing so widely from one Member State to another. Under the EU coherence*

*principle, following the case law established by the European Court of Justice with the Brüstle judgment, funding must be withheld from research projects referred to in the above provision. Reference to the European Commission gives a more accurate rendering of paragraph 6 of its declaration of 30 December 2006.*

**Amendment 327**  
**Elisabetta Gardini**

**Proposal for a regulation**  
**Recital 25 a (new)**

*Text proposed by the Commission*

*Amendment*

*(25a) The European Court of Justice has ruled, in case C- 34/10<sup>1</sup>, that Union law precludes human embryonic stem cells from being patented. This Court judgment does not affect national legislation on this kind of research or funding by Member State budgets. However, the judgment has effects for Union law. This Regulation could conceivably be challenged at the European Court of Justice if it did not exclude funding for research using human embryonic stem cells. It is therefore advisable to exclude this kind of research from Union funding, leaving the matter to national research budgets.*

---

<sup>1</sup> *Case C-34/10, Judgment of the Court (Grand Chamber) of 18 October 2011, Oliver Brüstle v Greenpeace eV, not yet published.*

Or. en

**Amendment 328**  
**Anna Záborská, Jan Březina**

**Proposal for a regulation**  
**Recital 25 a (new)**

*Text proposed by the Commission*

*Amendment*

***(25a) The European Court of Justice has ruled in case C-34/10<sup>1</sup> that Union law precludes human embryonic stem cells from being patented. In accordance with that ruling, embryonic stem cell research should be excluded of Union funding.***

---

***<sup>1</sup> Case C-34/10, Judgment of the Court (Grand Chamber) of 18 October 2011, Oliver Brüstle c. Greenpeace***

Or. en

**Amendment 329**  
**Konrad Szymański**

**Proposal for a regulation**  
**Recital 25 a (new)**

*Text proposed by the Commission*

*Amendment*

***(25a) The European Court of Justice has ruled in case C-34/10<sup>1</sup> that Union law precludes human embryonic stem cells from being patented. In accordance with that ruling, embryonic stem cell research should be excluded of Union funding.***

---

***<sup>1</sup> Case C-34/10, Judgment of the Court (Grand Chamber) of 18 October 2011, Oliver Brüstle c. Greenpeace.***

Or. en

**Amendment 330**  
**Algirdas Saudargas**

**Proposal for a regulation**  
**Recital 25 a (new)**

*Text proposed by the Commission*

*Amendment*

***(25a) The Union should encourage scientists whose research is funded by the European budget to patent their inventions in Europe. As human embryonic stem cells are not patentable, this type of research should be excluded from Union funding and funded exclusively by national budgets.***

Or. en

**Amendment 331**  
**Frédérique Ries, Françoise Grossetête**

**Proposal for a regulation**  
**Recital 25 a (new)**

*Text proposed by the Commission*

*Amendment*

***(25a) The Commission should take better account in the framework programme of research on cells extracted from umbilical cord blood (capacity for differentiation, for proliferation and for autologous or allogeneic use, absence of immunological reaction in the patient receiving the cells), which have already been successfully used to treat certain conditions.***

Or. fr

*Justification*

*Research on cells extracted from umbilical cord blood should be a 'third way' for research explicitly encouraged in the Horizon 2020 programme.*

**Amendment 332**  
**Vicky Ford**



**Proposal for a regulation  
Recital 25 a (new)**

*Text proposed by the Commission*

*Amendment*

***(25a) Under the Seventh Framework Programme, each project proposing to use human embryonic stem cells must have successfully passed a scientific evaluation during which the necessity of using such stem cells to achieve the scientific objectives is assessed by independent scientific experts. This should continue under Horizon 2020.***

Or. en

**Amendment 333  
Frédérique Ries, Françoise Grossetête**

**Proposal for a regulation  
Recital 25 b (new)**

*Text proposed by the Commission*

*Amendment*

***(25b) The recent discovery of induced pluripotent stem cells (iPSCs) has opened up a new avenue for research, over and beyond the opportunities for research on adult and embryonic stem cells that have existed for several years, and has thus offered new hope to patients awaiting treatment. The Union should therefore take action, bearing in mind the following:***

- the scientific community's interest in all types of research;***
- the need to strike a balance between the various ways of researching stem cells, without favouring any one over the others;***
- the importance of unprejudiced consideration of the ethical problems raised by each category of stem cells.***

**Amendment 334**  
**Konrad Szymański**

**Proposal for a regulation**  
**Recital 25 b (new)**

*Text proposed by the Commission*

*Amendment*

***(25b) Union research policy and research funding should ensure that scientist whose research is funded by the Union tax payers' money also patent their inventions in the Union. As human embryonic stem cells are not patentable (cf ECJ case law C-34/10), this type of research should be excluded from Union funding to ensure a responsible use of tax payers money. Nevertheless, a Member State can decide to fund this research exclusively by its national budget and in accordance to its national legislation.***

Or. en

**Amendment 335**  
**Elisabetta Gardini**

**Proposal for a regulation**  
**Recital 25 b (new)**

*Text proposed by the Commission*

*Amendment*

***(25b) The Union should encourage scientists whose research is funded by the Union budget to patent their inventions in Europe. As human embryonic stem cells are not patentable, this type of research should be excluded from Union funding and funded exclusively by national budgets.***

Or. en

**Amendment 336**  
**Anna Záborská, Jan Březina**

**Proposal for a regulation**  
**Recital 25 b (new)**

*Text proposed by the Commission*

*Amendment*

***(25b) Union research policy and research funding should ensure that scientist whose research is funded by the Union tax payer's money also patent their inventions in the Union. As human embryonic stem cells are not patentable (cf ECJ case law C-34/10), this type of research should be excluded from Union funding to ensure a responsible use of tax payers money. Nevertheless, a Member State can decide to fund this research exclusively by its national budget and in accordance to its national legislation.***

Or. en

**Amendment 337**  
**Konrad Szymański, Angelika Niebler**

**Proposal for a regulation**  
**Recital 25 c (new)**

*Text proposed by the Commission*

*Amendment*

***(25c) Research on alternative non-embryonic sources of stem cells that have proven more promising and less controversial should be strongly supported. Such incentive will also reinforce the competitiveness of the Union in such field.***

Or. en

### *Justification*

*Scientifically, human embryonic stem cells have been rather disappointing, being nowadays a diminishing clinical promise. In contrast, scientific advances in research with alternative stem cells (adult, derived from umbilical cord or induced pluripotent), being non-controversial, present better prospects for clinical applications or have indeed already widespread clinical results.*

### **Amendment 338**

**Nuno Teixeira**

### **Proposal for a regulation**

#### **Recital 26**

#### *Text proposed by the Commission*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies.

#### *Amendment*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies. ***Appropriate articulation with Cohesion Policy funds, and coordinated action, will help reduce the research and innovation gap in the European Union, by taking account of the specific characteristics of the regions referred to in Articles 174, 349 and 355(1) TFEU.***

Or. pt

### *Justification*

*An appropriate structure is necessary to link regional and cohesion policy funds with the funding of the Horizon 2020 programme, without forgetting the specific characteristics of the regions referred to in Articles 174, 349 and 355(1) of the Treaty on the Functioning of the European Union.*

### Amendment 339

Ivo Belet, Kathleen Van Brempt, Philippe De Backer, Lambert van Nistelrooij

#### Proposal for a regulation

##### Recital 26

###### *Text proposed by the Commission*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies.

###### *Amendment*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies. ***However, it is essential to draw a clear distinction between the way funding is allocated: R&I financing under Horizon 2020 should at all times be allocated on the basis of the criteria of excellence in research and potential to deliver concrete results in innovation.***

Or. en

### Amendment 340

Hermann Winkler

#### Proposal for a regulation

##### Recital 26

###### *Text proposed by the Commission*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can

###### *Amendment*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can

specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies.

specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies. ***Horizon 2020 should also build on the success of existing initiatives such as the 'Regions of Knowledge' initiative and the collaborative research instrument.***

Or. de

**Amendment 341**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Recital 26**

*Text proposed by the Commission*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies.

*Amendment*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies ***and flagship initiatives*** with other Union programmes in areas such as education, space, environment, ***energy, agriculture and fisheries***, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities ***and foster the potential to ascend the "stairway to excellence"*** in the context of smart specialisation strategies.

Or. en

**Amendment 342**  
**Christian Ehler**

**Proposal for a regulation**  
**Recital 26**

*Text proposed by the Commission*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies.

*Amendment*

(26) To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, competitiveness and SMEs, the internal **and external** security, culture and media and with the Cohesion Policy funds and Rural Development Policy, which can specifically help to strengthen national and regional research and innovation capabilities in the context of smart specialisation strategies.

Or. en

*Justification*

*There is no purely internal dimension of security any more as many of today's threat are of global nature (e.g. cybercrime, terrorism). The Union has organised accordingly by linking the head of the EEAS as Vice President of the Commission. Horizon should likewise respect this need.*

**Amendment 343**  
**Henri Weber, Catherine Trautmann**

**Proposal for a regulation**  
**Recital 26 a (new)**

*Text proposed by the Commission*

*Amendment*

***(26a) If the Europe 2020 objectives are to be achieved in full, it is important that the Union's Cohesion policy should contribute to enhancing the skills base and the capacity for innovation at local level, and to developing tools and cooperative arrangements to promote cooperation between regions within the EU. Such tools and such cooperation are essential to the implementation and success of the Horizon 2020 excellence programme locally, regionally and at***

*European level. Moreover, the operational programmes and the research, innovation and smart specialisation strategies should be geared to closer linkage between Horizon 2020 and the Structural Funds.*

Or. fr

**Amendment 344**  
**Alyn Smith**

**Proposal for a regulation**  
**Recital 26 a (new)**

*Text proposed by the Commission*

*Amendment*

*(26a) To achieve a bigger and better connection between research and innovation, Horizon 2020 should support the transfer of knowledge and technology, paying particular attention to the relationship between research carried out in the public sphere and the productive fabric of the Union, in all of its regions.*

Or. en

**Amendment 345**  
**Ioan Enciu**

**Proposal for a regulation**  
**Recital 26 a (new)**

*Text proposed by the Commission*

*Amendment*

*(26a) Horizon 2020 should aim at spreading and promoting excellent research throughout all the European regions as a precondition for a geographically balanced growth and innovation strategy of the Union and at fostering the mobility of researchers as a means for preventing forms of brain-*



*drain among the Member States.*

Or. en

**Amendment 346**

**Andrzej Grzyb, Jerzy Buzek, Bogdan Kazimierz Marcinkiewicz, Jolanta Emilia Hibner, Lena Kolarska-Bobińska, András Gyürk, Herbert Reul, Krišjānis Kariņš, Marian-Jean Marinescu, Romana Jordan, Jan Březina, Piotr Borys**

**Proposal for a regulation**

**Recital 26 a (new)**

*Text proposed by the Commission*

*Amendment*

***(26a) To exploit synergies between policies, stairways to excellence instruments should be introduced in both Horizon 2020 and the Cohesion Policy.***

Or. en

**Amendment 347**

**Alyn Smith**

**Proposal for a regulation**

**Recital 26 b (new)**

*Text proposed by the Commission*

*Amendment*

***(26b) European local and regional authorities have an important role to play in implementing the European Research Area and in ensuring an efficient coordination of the Union financial instruments, in particular in fostering linkages between Horizon 2020 and the Structural Funds, within the framework of regional innovation strategies based on smart specialisation. Regions also have a key role in the dissemination and implementation of Horizon 2020 results and in offering complementary funding.***

Or. en

**Amendment 348**  
**Christian Ehler, Paul Rübiger**

**Proposal for a regulation**  
**Recital 27**

*Text proposed by the Commission*

(27) SMEs constitute a significant source of innovation and growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003, is needed in Horizon 2020. This should support the aims of the Small Business Act.

*Amendment*

(27) SMEs constitute a significant source of innovation and growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003, is needed in Horizon 2020. This should support the aims of the Small Business Act. ***Constituting more than 95% of all enterprises in the Union, there are, however, big differences between SMEs and a different approach is required for different types of SMEs. Therefore, Horizon 2020 should provide for a package of different instruments to support the research and innovation activities and capacities of SMEs, such as direct funding, better participation in collaborative projects, easier access to finance, skills enhancement and training, mobility of human resources, and Eurostars. Horizon 2020 should also support small "mid-caps" (entrepreneur-driven firms with up to 1,000 employees), many of which have high growth potential.***

Or. en

*Justification*

*The SME definition is very broad. Different types of SMEs require a different approach. Horizon 2020 should provide for a package of different instruments that could be used and targeted towards different sub-groups of SMEs, depending for example on their size, growth phase, sector and R&I intensity.*

**Amendment 349**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 27**

*Text proposed by the Commission*

(27) SMEs constitute a significant source of innovation and growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003<sup>15</sup>, is needed in Horizon 2020. ***This should support the aims of the Small Business Act<sup>16</sup>.***

*Amendment*

(27) SMEs constitute a significant source of innovation and growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003<sup>15</sup>, is needed in Horizon 2020. ***For this, a tool-box of instruments should be developed supporting research and innovation along the different stages of the innovation cycle and taking into account the different sizes and types of SMEs. Horizon 2020 should allocate at least 20% of its budget to SMEs throughout its implementation. In particular, at least 10% of the Horizon 2020 budget will be delivered through the SME Instrument which should be managed and implemented by a single dedicated administrative structure.***

Or. en

**Amendment 350**  
**Frédérique Ries, Françoise Grossetête, Kent Johansson**

**Proposal for a regulation**  
**Recital 27**

*Text proposed by the Commission*

(27) SMEs constitute ***a significant*** source of innovation ***and*** growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003, is needed in Horizon 2020. This should support the aims of the Small

*Amendment*

(27) SMEs constitute ***an essential*** source of innovation, growth ***and jobs*** in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003, is needed in Horizon 2020. This should support the aims of the Small

Business Act.

Business Act.

Or. fr

**Amendment 351**  
**Catherine Trautmann**

**Proposal for a regulation**  
**Recital 27**

*Text proposed by the Commission*

(27) SMEs constitute **a significant** source of innovation and growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003, is needed in Horizon 2020. This should support the aims of the Small Business Act<sup>16</sup>.

*Amendment*

(27) SMEs constitute **an essential** source of innovation and growth in Europe. Therefore a strong participation of SMEs, as defined in Commission Recommendation 2003/361/EC of 6 May 2003, is needed in Horizon 2020. This should support the aims of the Small Business Act.

Or. fr

**Amendment 352**  
**Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

***(27a) Universities play a fundamental role within the scientific and technological base of the Union as basic institutions of excellence, both in training and research. Research and Technology Organisations bring together different players across the whole innovation chain, from fundamental to technological research, from product and process development to prototyping and demonstration, and on to full-scale implementation in the public and private sectors.***

*Industry and SMEs are essential in bringing research results into the markets. Horizon 2020 should leverage investment from the private sector in RDI in order to achieve the goal of raising combined public and private R&D investment to 3% of GDP.*

Or. en

**Amendment 353**  
**Rolandas Paksas**

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

*(27a) Universities play a fundamental role within the scientific and technological base of the Union as basic institutions of excellence, both in training and research. Research and technology organisations occupy nodal positions within innovation eco-systems, bringing together key players across the whole innovation chain, from fundamental to technological research, from product and process development to prototyping and demonstration, and on to full-scale implementation in the public and private sectors. Industry and SMEs are essential in bringing research results into the markets. Horizon 2020 should leverage investment from the private sector in RDI in order to bring combined public and private R&D investment to 3% of GDP (of which the private sector should contribute with 2/3.*

Or. en

**Amendment 354**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

***(27a) In order to maximize the impact of Horizon 2020 special consideration should be given to multidisciplinary, interdisciplinary and transdisciplinary approaches as necessary elements for major scientific progress. Breakthroughs in science take often place at the boundaries or intersections of disciplines and knowledge. Furthermore, the complexity of the problems and challenges that Europe is facing requires solutions that can only be tackled from several disciplines and societal actors working together.***

Or. en

**Amendment 355**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

***(27a) In order to maximise the impact of Horizon 2020 special consideration should be given to multidisciplinary, interdisciplinary and transdisciplinary approaches as necessary elements for major scientific progress. Breakthroughs in science often take place at the boundaries or intersections of disciplines and knowledge. Furthermore, the complexity of the problems and challenges that Europe is facing requires solutions that can only be tackled from several disciplines and societal actors working together.***

*Justification*

*Multidisciplinary, interdisciplinary and transdisciplinary are crucial for advancing in science and innovation. The complexity of the present problems cannot be often tackled by a scientific discipline or researchers alone. Consequently common objectives or common cognitive structures among disciplines and societal actors are regularly needed to find and develop the best solutions. For this reason, Horizon 2020 should not only foresee but also promote multidisciplinary and interdisciplinary.*

**Amendment 356**  
**Jean-Pierre Audy**

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

***(27a) Universities and research practicing organisations play a fundamental role within the scientific and technological base of the Union as basic institutions of excellence, both in training and research.***

*Justification*

*In many national systems, RPOs have a leading role in high level research.*

**Amendment 357**  
**Silvia-Adriana Țicău**

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

***(27a) Universities and research organisations play a fundamental role within the scientific and technological base of the Union as basic institutions of***

*excellence, both in training and research.*

Or. en

**Amendment 358**  
**Luigi Berlinguer**

**Proposal for a regulation**  
**Recital 27 a (new)**

*Text proposed by the Commission*

*Amendment*

***(27a) Universities play a fundamental role within the scientific and technological base of the Union as basic institutions of excellence, both in training and research, due to their essential role of linking the implementation of the European Higher Education Area to the European Research Area.***

Or. en

**Amendment 359**  
**Luigi Berlinguer**

**Proposal for a regulation**  
**Recital 27 b (new)**

*Text proposed by the Commission*

*Amendment*

***(27b) In order to maximize the impact of Horizon 2020 special consideration should be given to basic science as well as to multidisciplinary and interdisciplinary approaches as necessary elements for major scientific progress. Breakthroughs in science often take place at the boundaries or intersections of disciplines. Furthermore, the complexity of the problems and challenges that Europe is facing requires solutions that can only be tackled from several disciplines working together.***



**Amendment 360**  
**Francisco Sosa Wagner**

**Proposal for a regulation**  
**Recital 28**

*Text proposed by the Commission*

(28) With the aim to achieve the greatest possible impact of Union funding, Horizon 2020 is to develop closer synergies, which may also take the form of public-public partnerships, with national and regional programmes that support research and innovation.

*Amendment*

(28) With the aim to achieve the greatest possible impact of Union funding, Horizon 2020 is to develop closer synergies, which may also take the form of public-public partnerships, with national and regional programmes that support research and innovation; ***the coordination and monitoring carried out as part of Horizon 2020 should guarantee the optimum use of resources and absence of unnecessary duplications of expenditure, regardless of what sources of funding are involved.***

Or. es

*Justification*

*The aim is to point out that any synergy is positive, provided that excellent coordination and appropriate monitoring is in place to avoid unnecessary duplication.*

**Amendment 361**  
**Vicky Ford**

**Proposal for a regulation**  
**Recital 28**

*Text proposed by the Commission*

(28) With the aim to achieve the greatest possible impact of Union funding, Horizon 2020 is to develop closer synergies, which may also take the form of public-public partnerships, with national and regional programmes that support research and

*Amendment*

(28) With the aim to achieve the greatest possible impact of Union funding, Horizon 2020 is to develop closer synergies, which may also take the form of public-public partnerships, with national and regional programmes ***as well as mutually beneficial***

innovation.

**and accessible international programmes**  
that support research and innovation.

Or. en

*Justification*

*Whilst Horizon 2020 will be open to third country organisations, we need to make sure that third country research programmes are open to EU organisations too in practice and not just in theory.*

**Amendment 362**

**Alyn Smith**

**Proposal for a regulation**

**Recital 28**

*Text proposed by the Commission*

(28) With the aim to achieve the greatest possible impact of Union funding, Horizon 2020 is to develop closer synergies, which may also take the form of public-public partnerships, with national and regional programmes that support research and innovation.

*Amendment*

(28) With the aim to achieve the greatest possible impact of Union funding, Horizon 2020 is to develop closer synergies, which may also take the form of public-public partnerships, with **international**, national and regional programmes that support research and innovation.

Or. en

**Amendment 363**

**Christian Ehler**

**Proposal for a regulation**

**Recital 29**

*Text proposed by the Commission*

(29) A greater impact **should** also be achieved by combining Horizon 2020 and private sector funds within public-private partnerships in key areas where research and innovation could contribute to Europe's wider competitiveness goals and help

*Amendment*

(29) A greater impact **could** also be achieved by combining Horizon 2020 and private sector funds within public-private partnerships in key areas where research and innovation could contribute to Europe's wider competitiveness goals, **unlocking**

tackle societal challenges. The public-private partnerships in the form of Joint Technology Initiatives launched under Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework programme of the European Community for research, technological development and demonstration activities (2007-13) may be continued using more fit-for-purpose structures.

*private funds* and help tackle societal challenges. ***These partnerships should be based on a real partnership, including in terms of commitments and contributions from the private sector, define and be accountable to concrete targets to be reached, be aligned with the rest of Horizon 2020 in terms of rules on IPR, access rights, transparency and openness towards interested newcomers and small players, encourage the involvement of the entire value chain, incentivise additional private R&D investments, and be aligned with the Union R&D&I strategic agenda.*** The public-private partnerships in the form of Joint Technology Initiatives launched under Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework programme of the European Community for research, technological development and demonstration activities (2007-13) may be continued using more fit-for-purpose structures ***and respecting the above mentioned principles.***

Or. en

#### *Justification*

*While PPPs, including JTIs, can enhance the competitiveness of the EU industry and unlock private funds, they should meet certain minimum conditions regarding the matching of public funds by the private partners, the applicability of normal rules on IPR, access rights and open participation to newcomers and small players, transparency of the calls, their complementarity to the traditional transnational collaborative projects, and their alignment with the EU R&D strategic agenda.*

#### **Amendment 364**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

#### **Proposal for a regulation**

**Recital 29**

*Text proposed by the Commission*

(29) A greater impact should also be achieved by combining Horizon 2020 and private sector funds within public-private partnerships in key areas where research and innovation could contribute to Europe's wider competitiveness goals and help tackle societal challenges. The public-private partnerships in the form of Joint Technology Initiatives launched under Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework programme of the European Community for research, technological development and demonstration activities (2007-13) may be continued using more fit-for-purpose structures.

*Amendment*

(29) A greater impact should also be achieved by combining Horizon 2020 and private sector funds within public-private partnerships in key areas where research and innovation could contribute to Europe's wider competitiveness goals and help tackle societal challenges. The ***existing*** public-private partnerships in the form of Joint Technology Initiatives launched under Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework programme of the European Community for research, technological development and demonstration activities (2007-13) may be continued using more fit-for-purpose structures. ***In particular, their governance and functioning should be revised to ensure open, transparent, effective and efficient functioning and give the opportunity to a wide range of stakeholder active in their specific areas to participate. In addition, the Commission should evaluate the opportunity for including in the Joint Technology Initiatives and other established public-private partnerships the aspect of education, as an essential element of the knowledge-triangle.***

Or. en

**Amendment 365**  
**Jürgen Creutzmann, Kent Johansson**

**Proposal for a regulation**  
**Recital 29**

*Text proposed by the Commission*

(29) A greater impact should also be achieved by combining Horizon 2020 and private sector funds within public-private

*Amendment*

(29) A greater impact should also be achieved by combining Horizon 2020 and private sector funds within public-private

partnerships in key areas where research and innovation could contribute to Europe's wider competitiveness goals and help tackle societal challenges. The public-private partnerships in the form of Joint Technology Initiatives launched under Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework programme of the European Community for research, technological development and demonstration activities (2007-13) may be continued using more fit-for-purpose structures.

partnerships in key areas where research and innovation could contribute to Europe's wider competitiveness goals and help tackle societal challenges. The public-private partnerships in the form of Joint Technology Initiatives launched under Decision No 1982/2006/EC of the European Parliament and of the Council of 18 December 2006 concerning the Seventh Framework programme of the European Community for research, technological development and demonstration activities (2007-13) may be continued using more fit-for-purpose structures. ***The Commission should provide a single source of funding except if there is a clear agreement between the Commission and Member States to provide sufficient budget for joint funding of a specific initiative.***

Or. en

#### *Justification*

*Institutionalised PPPs are associated with high administrative overhead and require long time for preparation. New PPPs meeting the defined criteria should be based on a funding model with a single source of funding (EU Commission). A single source of funding in Horizon 2020 (EU Commission) is the preferred solution with respect to simplifying the implementation of projects and to ensuring equal chances for participation in the different participating countries.*

#### **Amendment 366** **Christian Ehler**

#### **Proposal for a regulation** **Recital 30**

##### *Text proposed by the Commission*

(30) Horizon 2020 should promote cooperation with third countries based on common interest **and** mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the

##### *Amendment*

(30) Horizon 2020 should promote cooperation with third countries based on common interest, mutual benefit **and reciprocity, where appropriate**. International cooperation in science, technology and innovation should be

Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals. ***The Commission should establish a strategy, based on the Union's policies and needs, in order to better target and prioritise international cooperation in science, technology and innovation, identifying key third countries and scientific and technological fields to focus efforts on.***

Or. en

#### **Amendment 367**

**Maurice Ponga, Jean-Pierre Audy, Gaston Franco**

#### **Proposal for a regulation**

#### **Recital 30**

##### *Text proposed by the Commission*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

##### *Amendment*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals. ***Account should be taken, in international cooperation, of the capabilities and potential role of the outermost regions and overseas countries***

*and territories within their respective areas of the world.*

Or. fr

*Justification*

*There are EU outermost regions and overseas countries and territories all over the world, and they can thus function as relay points for European Union activities, especially in the field of international cooperation.*

**Amendment 368**

**Marita Ulvskog**

**Proposal for a regulation**

**Recital 30**

*Text proposed by the Commission*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

*Amendment*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals. ***By means of ensuring that funding dispersed under Horizon 2020 does not contradict core Union values, and to encourage coherence with Union foreign and development policy, specific rules should be laid down applicable to third countries with reasonably grounded suspicions of human rights violations, involvement in armed conflicts or territorial conflicts.***

Or. en

**Amendment 369**  
**Marisa Matias**

**Proposal for a regulation**  
**Recital 30**

*Text proposed by the Commission*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

*Amendment*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals. ***However cooperation with third countries in the domain of research with possible dual use should be avoided with any country that does not respect human rights, UN resolutions and international law.***

Or. en

**Amendment 370**  
**Vicky Ford**

**Proposal for a regulation**  
**Recital 30**

*Text proposed by the Commission*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be

*Amendment*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be



targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development ***collaborative international research networks and*** policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

Or. en

**Amendment 371**  
**Judith A. Merkies**

**Proposal for a regulation**  
**Recital 30**

*Text proposed by the Commission*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals.

*Amendment*

(30) Horizon 2020 should promote cooperation with third countries based on common interest and mutual benefit. International cooperation in science, technology and innovation should be targeted to contribute to achieving the Europe 2020 objectives to strengthen competitiveness, contribute to tackling societal challenges and support Union external and development policies, including by developing synergies with external programmes and contributing to the Union's international commitments such as the achievement of Millennium Development Goals ***and the RIO+20 targets.***

Or. en

**Amendment 372**  
**Cristina Gutiérrez-Cortines, Françoise Grossetête, Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation**  
**Recital 30 a (new)**

*Text proposed by the Commission*

*Amendment*

***(30a) It should be contemplated to encourage the participation of research teams in different projects in order to reinforce the R&I quality and to increase the possibility of international co-operation.***

Or. en

**Amendment 373**  
**Catherine Trautmann**

**Proposal for a regulation**  
**Recital 31**

*Text proposed by the Commission*

*Amendment*

(31) In order to maintain a level playing field for all undertakings active in the internal market, funding provided by Horizon 2020 should be designed in accordance with state aid rules so as to ensure the effectiveness of public spending and prevent market distortions such as crowding-out of private funding, creating ineffective market structures ***or preserving inefficient firms.***

(31) In order to maintain a level playing field for all undertakings active in the internal market, funding provided by Horizon 2020 should be designed in accordance with state aid rules so as to ensure the effectiveness of public spending and prevent market distortions such as crowding-out of private funding ***or*** creating ineffective market structures.

Or. fr

**Amendment 374**  
**Sari Essayah**

**Proposal for a regulation**  
**Recital 32**

*Text proposed by the Commission*

(32) The need for a new approach to control and risk management in Union research funding was recognised by the European Council of 4 February 2011, asking for a new balance between trust and control and between risk-taking and risk avoidance. The European Parliament, in its Resolution of 11 November 2010 on simplifying the implementation of the Research Framework Programmes, called for a pragmatic shift towards administrative and financial simplification and states that the management of European research funding should be more trust-based and risk-tolerant towards participants. The interim evaluation report of the Seventh Framework Programme for Research (2007-2013) concludes that a more radical approach is needed to attain a quantum leap in simplification, and that the risk-trust balance needs to be redressed.

*Amendment*

(32) The need for a new approach to control and risk management in Union research funding was recognised by the European Council of 4 February 2011, asking for a new balance between trust and control and between risk-taking and risk avoidance. The European Parliament, in its Resolution of 11 November 2010 on simplifying the implementation of the Research Framework Programmes, called for a pragmatic shift towards administrative and financial simplification and states that the management of European research funding should be more trust-based and risk-tolerant towards participants. The interim evaluation report of the Seventh Framework Programme for Research (2007-2013) concludes that a more radical approach is needed to attain a quantum leap in simplification, and that the risk-trust balance needs to be redressed.

***This administrative and financial simplification should be completed before the beginning of Horizon 2020.***

Or. en

**Amendment 375**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 1 – paragraph 1**

*Text proposed by the Commission*

This Regulation establishes Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) ('Horizon 2020') and determines the framework governing Union support to research and innovation activities and fostering better exploitation of the industrial potential of policies of innovation, research and

*Amendment*

This Regulation establishes Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) ('Horizon 2020') and determines the framework governing Union support to research and innovation activities and fostering better exploitation of the industrial potential of policies of innovation, research and

technological development.

technological development. ***This Regulation shall not fund the Commission's administrative expenditure to execute this programme, nor the construction nor the operation of large European infrastructural projects, such as Galileo, GMES or ITER.***

Or. en

#### *Justification*

*FP7 was too often "misused" to finance funding gaps in large European projects, such as Galileo, GMES or ITER. While the EP supports these projects and their funding, it should be very clear that Horizon 2020 shall not fund their cost overruns in either the roll-out of these projects or in their operation.*

#### **Amendment 376**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

#### **Proposal for a regulation**

##### **Article 1**

#### *Text proposed by the Commission*

This Regulation establishes Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) ('Horizon 2020') and determines the framework governing Union support to research and innovation activities and fostering better exploitation of the industrial potential of policies of innovation, research and technological development.

#### *Amendment*

This Regulation establishes Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) ('Horizon 2020') and determines the framework governing Union support to research and innovation activities and fostering better exploitation of the ***societal, economic and*** industrial potential of policies of innovation, research and technological development.

Or. en

#### **Amendment 377**

**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Article 2 – point a**

*Text proposed by the Commission*

(a) ‘research and innovation activities’ means the whole spectrum of activities of research, technological development, demonstration and innovation, including the promotion of cooperation with third countries and international organisations, dissemination and optimisation of results and stimulation of the training and mobility of researchers in the Union;

*Amendment*

(a) ‘research and innovation activities’ means the whole spectrum of activities of research, technological development, demonstration and innovation, including the promotion of cooperation with third countries and international organisations, ***open access***, dissemination and optimisation of results and stimulation of the training and mobility of researchers in the Union;

Or. en

**Amendment 378**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 2 – point d**

*Text proposed by the Commission*

(d) ‘public-private partnership’ means a partnership ***where*** private sector partners, the Union and, ***where appropriate, other*** partners, ***commit*** to ***jointly*** support the development and implementation of a research and innovation programme or activities ;

*Amendment*

(d) ‘public-private partnership’ means a partnership ***between*** private sector partners ***and public sectors partners such as universities, research organisations and other public sector organisations, supported jointly by*** the Union and ***its*** partners to support the development and implementation of a research and innovation programme or activities;

Or. en

**Amendment 379**  
**Silvia-Adriana Țicău**

**Proposal for a regulation**  
**Article 2 – point e**

*Text proposed by the Commission*

(e) 'public-public partnership' means a partnership where public sector bodies or bodies with a public service mission at regional, national or international level commit with the Union to jointly support the development and implementation of a research and innovation programme or activities.

*Amendment*

(e) 'public-public partnership' means a partnership where public sector bodies or bodies with a public service mission at **local**, regional, national or international level commit with the Union to jointly support the development and implementation of a research and innovation programme or activities.

Or. ro

### **Amendment 380**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation  
Article 2 – point e a (new)**

*Text proposed by the Commission*

*Amendment*

***(ea) 'research infrastructures' (RI) mean facilities, resources, organisational systems and services that are used by the research communities to conduct research and innovation in their fields. Where relevant, they may be used beyond research, e.g. for education or public services. This includes: major scientific equipment (or sets of instruments); knowledge-based resources such as collections, archives or scientific data; e-infrastructures, such as data, computing and software systems, communication networks and systems to promote openness and digital trust; any other infrastructure of a unique nature essential to achieve excellence in research and innovation;***

Or. en

*Justification*

*In order to have common definition referring to the concept of infrastructure, is needed to include in a legislative document the concept already in use that enlarge the traditional interpretation, linked with buildings and physical investment*

**Amendment 381**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho**

**Proposal for a regulation**

**Article 2 – point e b (new)**

*Text proposed by the Commission*

*Amendment*

***(eb) 'smart specialisation' means the concept for the development of the R&D and innovation policy of the European Union. The objective of smart specialisation is to promote efficient and effective use of public investment using synergies among countries and regions and strengthening their innovation capacity. The smart specialisation strategy is made of a multi-annual strategy program which goal is to develop a functional national or regional research innovation system.***

Or. en

*Justification*

*The smart specialization is the exercise that needs to be done by the regions for the identification of their own capacities and the design of their future regional strategic program. It is a bottom up requirement that allows the transfer of funds from Structural Funds to Innovation and Horizon 2020 program.*

**Amendment 382**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

**Proposal for a regulation**

**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term **sustainable growth** and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term **sustainability, economic development and resilience, social inclusion and industrial** competitiveness.

Or. en

**Amendment 383**

**Cristina Gutiérrez-Cortines, Françoise Grossetête, Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation**

**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging private investment, **transferring research results to all the levels of education**, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

Or. en

*Justification*

*Education is a very important Europe 2020 flagship. It is an essential tool for European*



*strength. Transfers from science to education programs should be included.*

#### **Amendment 384**

**Vicky Ford**

#### **Proposal for a regulation**

##### **Article 4**

###### *Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *the Union's* research and innovation **funding**, thus acting as a vehicle for leveraging *private* investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

###### *Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for **funding excellent** research and innovation, thus acting as a vehicle for leveraging investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness. ***It shall be targeted towards activities where intervention at Union level brings added value above intervention at national or regional level.***

Or. en

#### **Amendment 385**

**Kent Johansson, Hannu Takkula, Jens Rohde, Fiona Hall, Vladko Todorov Panayotov, Olle Schmidt, Cristian Silviu Buşoi**

#### **Proposal for a regulation**

##### **Article 4**

###### *Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *the Union's* research and innovation **funding**, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable

###### *Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for **funding excellent** research and innovation, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and

growth and competitiveness.

competitiveness, *as well as addressing the Union's societal challenges.*

Or. en

*Justification*

*Excellence is the most important overarching funding criteria of the Framework Programme and should be mentioned in the objectives of the Horizon 2020.*

**Amendment 386**  
**Eija-Riitta Korhola**

**Proposal for a regulation**  
**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *the Union's* research and innovation *funding*, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *funding excellent* research and innovation, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

Or. en

*Justification*

*Excellence is the most important overarching funding criteria of the Framework Programme and should be mentioned in the objectives of the Horizon 2020.*

**Amendment 387**  
**Ivo Belet, Philippe De Backer, Kathleen Van Brempt, Lambert van Nistelrooij**

**Proposal for a regulation**  
**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *the Union's* research and innovation *funding*, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *funding excellent* research and innovation, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

Or. en

**Amendment 388**  
**Judith A. Merkies**

**Proposal for a regulation**  
**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *the Union's* research and innovation *funding*, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *funding excellent* research and innovation, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

Or. en

**Amendment 389**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *the Union's* research and innovation *funding*, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for *funding excellent* research and innovation, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

Or. en

**Amendment 390**

**Ioannis A. Tsoukalas**

**Proposal for a regulation**

**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging *public and* private investment, creating new job opportunities and ensuring Europe's long-term sustainable growth and competitiveness *and global scientific leadership*.

Or. en

**Amendment 391**

**Jean-Pierre Audy**

**Proposal for a regulation**

**Article 4**

*Text proposed by the Commission*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging private investment, creating new job opportunities **and** ensuring Europe's long-term sustainable growth and competitiveness.

*Amendment*

Horizon 2020 shall play a central role in the delivery of the Europe 2020 strategy for smart, sustainable and inclusive growth by providing a common strategic framework for the Union's research and innovation funding, thus acting as a vehicle for leveraging **public and** private investment, creating new job opportunities, ensuring Europe's long-term sustainable growth and competitiveness.

Or. en

**Amendment 392**  
**Jean-Pierre Audy**

**Proposal for a regulation**  
**Article 4 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***Horizon 2020 shall be run in cooperation with the Member States so as to ensure that research and innovation policies implemented in the Member States and by local authorities are complementary and offer European added value.***

Or. fr

**Amendment 393**  
**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho, Alejo Vidal-Quadras**

**Proposal for a regulation**  
**Article 5 – paragraph 1**

*Text proposed by the Commission*

*Amendment*

1. Horizon 2020 shall contribute to building an economy based on knowledge

1. Horizon 2020 shall contribute to building an economy based on knowledge

and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). *The relevant performance indicators are set out in the introduction of Annex I.*

and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). *The instruments for the connection between Research and Innovation and Structural Funds should be implemented through the programs, "Regions of Knowledge" and "smart specialisation". Both instruments should be located inside ERA, in order to create objective indicators for the "stairways of excellence".*

Or. en

#### *Justification*

*"Regions of Knowledge" and "Smart Specialisation" may be important instruments for the synergies between Structural Funds and Horizon 2020.*

#### **Amendment 394**

**Ioannis A. Tsoukalas**

#### **Proposal for a regulation**

#### **Article 5 – paragraph 1**

##### *Text proposed by the Commission*

1. Horizon 2020 shall contribute to building an economy based on knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

##### *Amendment*

1. Horizon 2020 shall contribute to building ***a society and*** an economy based on knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding ***and thus contributing towards the target of 3% of GDP funding for research and innovation across the Union by 2020.*** Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the

European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

Or. en

**Amendment 395**  
**Vicky Ford**

**Proposal for a regulation**  
**Article 5 – paragraph 1**

*Text proposed by the Commission*

1. Horizon 2020 shall contribute to building ***an economy based on*** knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

*Amendment*

1. Horizon 2020 shall contribute to building ***a*** knowledge and innovation ***based economy*** across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA) ***through specific exemplary actions fostering European research and innovation***. The relevant performance indicators are set out in the introduction of Annex I.

Or. en

**Amendment 396**  
**Gunnar Hökmark**

**Proposal for a regulation**  
**Article 5 – paragraph 1**

*Text proposed by the Commission*

1. Horizon 2020 shall contribute to building ***an*** economy based on knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding.

*Amendment*

1. Horizon 2020 shall contribute to building ***a world leading*** economy based on knowledge and innovation across the whole Union by leveraging sufficient additional ***frontier and excellent*** research,

Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

development and innovation funding. Thereby, it shall support the *creation of globally competitive centres of excellence and the* implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

Or. en

#### **Amendment 397**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

#### **Proposal for a regulation**

##### **Article 5 – paragraph 1**

###### *Text proposed by the Commission*

1. Horizon 2020 shall contribute to building an economy based on knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

###### *Amendment*

1. Horizon 2020 shall contribute to building an economy based on knowledge, *sustainability* and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

Or. en

#### **Amendment 398**

**Silvia-Adriana Țicău**

#### **Proposal for a regulation**

##### **Article 5 – paragraph 1**



*Text proposed by the Commission*

1. Horizon 2020 shall contribute to building ***an economy*** based on knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

*Amendment*

1. Horizon 2020 shall contribute to building ***a society*** based on knowledge and innovation across the whole Union by leveraging sufficient additional research, development and innovation funding. Thereby, it shall support the implementation of the Europe 2020 strategy and other Union policies, as well as the achievement and functioning of the European Research Area (ERA). The relevant performance indicators are set out in the introduction of Annex I.

Or. ro

**Amendment 399**

**Silvia-Adriana Țicău**

**Proposal for a regulation**

**Article 5 – paragraph 2 – subparagraph 1 – point b**

*Text proposed by the Commission*

(b) industrial leadership;

*Amendment*

(b) industrial ***and services*** leadership;

Or. ro

**Amendment 400**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho**

**Proposal for a regulation**

**Article 5 – paragraph 2 – subparagraph 1 – point c – point i (new)**

*Text proposed by the Commission*

*Amendment*

***(i) knowledge science and technology; life sciences, health, earth, environment, natural resources and food security;***

Or. en

*Justification*

*Difference between technologies, engineering sciences, research about human and social needs.*

**Amendment 401**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho**

**Proposal for a regulation**

**Article 5 – paragraph 2 – subparagraph 1 – point c – point ii (new)**

*Text proposed by the Commission*

*Amendment*

***(ii) social, economic and humanities.  
Demographic challenges, education,  
territorial issues, governance, culture,  
digital contents, humanities, cultural  
heritage and intangible knowledge areas.***

Or. en

*Justification*

*Importance of intangible areas of knowledge as adaptation to global changes is needed.*

**Amendment 402**

**Patrizia Toia**

**Proposal for a regulation**

**Article 5 – paragraph 2 – subparagraph 2 a (new)**

*Text proposed by the Commission*

*Amendment*

***Horizon 2020 shall emphasise the  
importance of promoting non gender-  
segregated research areas. Horizon 2020  
shall seek, through universities, Union  
institutions and Member States, to  
promote science as a field of interest for  
both sexes from the early stages of  
education and the image of male and  
female researchers as role models.  
Through enlightenment campaigns it  
shall provide information on the***

*requirements needed to become a researcher and the opportunities available in the research field, in addition to information regarding maternity entitlements.*

Or. it

**Amendment 403**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 5 – paragraph 2 a (new)**

*Text proposed by the Commission*

*Amendment*

*2a. This programme shall not fund neither the administrative expenditure nor the construction or operation of large European infrastructural projects, such as Galileo, GMES or ITER.*

Or. en

**Amendment 404**  
**Andrzej Grzyb, Jerzy Buzek, Bogdan Kazimierz Marcinkiewicz, Jolanta Emilia Hibner, Lena Kolarska-Bobińska, Herbert Reul, Krišjānis Kariņš, Marian-Jean Marinescu, Jan Březina, Piotr Borys**

**Proposal for a regulation**  
**Article 5 – paragraph 5**

*Text proposed by the Commission*

*Amendment*

*5. Within the priorities and broad lines referred to in paragraph 2, account may be taken of new and unforeseen needs that arise during the period of implementation of Horizon 2020. This may include responses to emerging opportunities, crises and threats, to needs relating to the development of new Union policies, and to the piloting of actions*

*deleted*

*foreseen for support under future programmes.*

Or. en

**Amendment 405**  
**Emil Stoyanov, Vladimir Urutchev**

**Proposal for a regulation**  
**Article 5 – paragraph 5 a (new)**

*Text proposed by the Commission*

*Amendment*

***5a. Horizon 2020 shall contribute to the attractiveness of researchers' career across Europe and mitigate the effects of brain-drain. As a result it shall be implemented in a manner to promote the creation of a single market for researchers in particular by enabling for appropriate mechanisms to decrease the disparities in researcher's remuneration under Horizon 2020.***

Or. en

**Amendment 406**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 6 – paragraph 1**

*Text proposed by the Commission*

*Amendment*

1. The financial envelope for the implementation of Horizon 2020 shall be EUR 87740 million, of which a maximum of **EUR 86198 million** shall be allocated to activities under Title XIX of the Treaty on the Functioning of the European Union (TFEU).

1. The financial envelope for the implementation of Horizon 2020 shall be EUR 87740 million, of which a maximum of **98.8%** shall be allocated to activities under Title XIX of the Treaty on the Functioning of the European Union (TFEU).

Or. it

**Amendment 407**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 1 – point a**

*Text proposed by the Commission*

*Amendment*

- (a) Excellent science, **EUR 27818 million**;
- (a) Excellent science, **32,3%**;

Or. en

**Amendment 408**  
**Vicky Ford**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 1 – point a**

*Text proposed by the Commission*

*Amendment*

- (a) Excellent science, **EUR 27818 million**;
- (a) Excellent science, **31.8% of the total (pre-ITER) budget**;

Or. en

*Justification*

*The proportion of the budget allocated to this is not taking into account my suggestion to include the commitment of ITER into an enlarged overall H2020 budget.*

**Amendment 409**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 1 – point a**

*Text proposed by the Commission*

*Amendment*

- (a) Excellent science, **EUR 27818 million**;
- (a) Excellent science, **27.1% of total funding**;

Or. it

**Amendment 410**  
**Jean-Pierre Audy**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 1 – point b**

*Text proposed by the Commission*

*Amendment*

(b) Industrial leadership  
EUR **20** 280 000 000;

(b) Industrial leadership:  
~~EUR **30** 280 000 000~~;

Or. fr

*Justification*

*Research and innovation are factors crucial to the success of industrial policies and to making industrial companies more competitive. It is logical to boost the funding earmarked for industry by EUR 10 billion by means of a corresponding cut in the budget for ‘Societal challenges’.*

**Amendment 411**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 1 – point b**

*Text proposed by the Commission*

*Amendment*

(b) Industrial leadership, **EUR 20280 million**;

(b) Industrial leadership **28.8% of total funding**;

Or. it

**Amendment 412**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 1 – point b**

*Text proposed by the Commission*

*Amendment*

(b) Industrial leadership, **EUR 20280 million**;

(b) Industrial leadership, **26%**;

Or. en

**Amendment 413**

**Vicky Ford**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 1 – point b**

*Text proposed by the Commission*

*Amendment*

(b) Industrial leadership, **EUR 20280 million**;

(b) Industrial leadership, **23.3% of the total (pre-ITER) budget**;

Or. en

*Justification*

*The proportion of the budget allocated to this is not taking into account my suggestion to include the commitment of ITER into an enlarged overall H2020 budget.*

**Amendment 414**

**Jean-Pierre Audy**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 1 – point c**

*Text proposed by the Commission*

*Amendment*

(c) Societal challenges  
EUR 35 888 000 000.

(c) Societal challenges  
/~~EUR 25 888 000 000~~/.

Or. fr

*Justification*

*The amount should be distributed better, with an additional EUR 10 billion going to 'Industrial leadership' at the expense of 'Societal challenges'. The remaining*

*EUR 25 888 000 000 for societal challenges (health, well-being, sustainable agriculture, food security, the bio-economy, marine and maritime research, clean energy, smart, green and integrated transport, climate action and inclusive, innovative and secure societies) seems sufficient.*

**Amendment 415**

**Vicky Ford**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 1 – point c**

*Text proposed by the Commission*

*Amendment*

(c) Societal challenges, **EUR 35888 million.**

(c) Societal challenges, **41.3% of the total (pre-ITER) budget;**

Or. en

*Justification*

*The proportion of the budget allocated to this is not taking into account my suggestion to include the commitment of ITER into an enlarged overall H2020 budget.*

**Amendment 416**

**Oreste Rossi**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 1 – point c**

*Text proposed by the Commission*

*Amendment*

(c) Societal challenges, **EUR 35888 million.**

(c) Societal challenges, **39,% of total funding.**

Or. it

**Amendment 417**

**Christian Ehler**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 1 – point c**



*Text proposed by the Commission*

*Amendment*

(c) Societal challenges, **EUR 35888 million**.

(c) Societal challenges, **36,4%**.

Or. en

**Amendment 418**

**Jean-Pierre Audy, Paul Rübzig**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 2**

*Text proposed by the Commission*

*Amendment*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall be **EUR 2212 million**.

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct **research** actions of the Joint Research Centre shall be **2.52%<sup>1</sup> of the total Horizon 2020 budget, taking into account that the JRC budget is mainly based on fixed costs (staff and infrastructure)**.

**<sup>1</sup> The percentage is based on the financial allocation proposed by the Commission for Horizon 2020.**

Or. en

*Justification*

*The JRC provides scientific support to EU priority policies which is crucial to facilitate adequate political decisions in key sectors/areas (macro-economy, financial regulations, environment and climate change, health, agriculture and food security, energy and transport, safety and security). To allow the JRC to maintain the present situation of the non-nuclear direct research actions, an amount of EUR 2212 million is needed*

**Amendment 419**

**Peter Skinner, Norbert Glante, Edit Herczog, António Fernando Correia de Campos**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 2**

*Text proposed by the Commission*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct **actions** of the Joint Research Centre shall be **EUR 2212 million**.

*Amendment*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct **research** of the Joint Research Centre shall be **2,52% of the total Horizon 2020 budget**.

Or. en

**Amendment 420**  
**Vicky Ford**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 2**

*Text proposed by the Commission*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall be **EUR 2212 million**.

*Amendment*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall be **2.5% of the total (pre-ITER) budget**;

Or. en

*Justification*

*The proportion of the budget allocated to this is not taking into account my suggestion to include the commitment of ITER into an enlarged overall H2020 budget.*

**Amendment 421**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 2**

*Text proposed by the Commission*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall **be EUR 2**

*Amendment*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall be **2.5% of**

212 million.

*total funding.*

Or. it

**Amendment 422**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 2**

*Text proposed by the Commission*

*Amendment*

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall be **EUR 2212 million**.

The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct actions of the Joint Research Centre shall be **2,3%**.

Or. en

**Amendment 423**  
**Paul Rübzig**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 2 a (new)**

*Text proposed by the Commission*

*Amendment*

***The maximum overall amount for the Union financial contribution from Horizon 2020 to the non-nuclear direct research actions of the Joint Research Centre (JRC) shall be according to the necessity of the JRC, taking into account that the JRC budget is mainly based on fixed costs (staff and infrastructure).***

Or. en

*Justification*

*The Joint Research Centre provides scientific support to EU priority policies which is crucial to facilitate adequate political decisions in key sectors/areas (macro-economy, financial*

regulations, environment and climate change, health, agriculture and food security, energy and transport, safety and security). To allow the JRC to maintain the present situation of the non-nuclear direct research actions, an amount of EUR 2212 million is needed.

**Amendment 424**

**Henri Weber**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 3 a (new)**

*Text proposed by the Commission*

*Amendment*

***The share for the international cooperation activities described in Article 21(2) and (3) shall be 4%.***

Or. fr

**Amendment 425**

**Philippe Lamberts**

**Proposal for a regulation**

**Article 6 – paragraph 2 – subparagraph 3 a (new)**

*Text proposed by the Commission*

*Amendment*

***The share for the international cooperation activities described in Article 21(2) and (3) shall be 4%.***

Or. fr

*Justification*

*Under Article 180 TFEU, international cooperation is one of the four activities to be carried out within the framework programme. Article 182 of the Treaty provides that its 'share' shall be fixed in the programme. It is thus proposed that that share be fixed at 4%, the corresponding average figure in previous R&D framework programmes.*

**Amendment 426**

**Vicky Ford**

**Proposal for a regulation**  
**Article 6 – paragraph 2 – subparagraph 3 a (new)**

*Text proposed by the Commission*

*Amendment*

***The Commission shall set aside an appropriate amount of money to allocate to calls which receive more bids evaluated to be of a high standard of excellence than anticipated in order to fund more than one project where appropriate.***

Or. en

**Amendment 427**  
**Kent Johansson**

**Proposal for a regulation**  
**Article 6 – paragraph 3 – subparagraph 1**

*Text proposed by the Commission*

*Amendment*

3. The European Institute of Innovation and Technology shall be financed through a maximum contribution from Horizon 2020 of EUR **3194** million as set out in Annex II. ***A first allocation of EUR 1542 million shall be provided to the European Institute of Innovation and Technology for activities under Title XVII of the Treaty on the Functioning of the European Union. A second allocation of up to EUR 1652 million shall be provided, subject to the review set out in Article 26 (1). This additional amount shall be provided on a pro-rata basis, as indicated in Annex II, from the amount for the specific objective ‘Leadership in enabling and industrial technologies’ within the priority on industrial leadership set out in paragraph 2(b) and from the amount for the priority on societal challenges set out in 2(c).***

3. The European Institute of Innovation and Technology shall be financed through a maximum contribution from Horizon 2020 of EUR **xxx** million as set out in Annex II.

***In view of the need to identify and select the strongest KICs with the greatest chance of quickly reaching critical mass,***

*the KIC selection process in 2014 will be open to KIC applications within the following pre-defined themes:*

- Innovation for healthy living and active ageing,*
- Raw materials,*
- Food4Future,*
- Urban mobility,*
- Added-value manufacturing, and*
- Smart secure societies*

*From the themes in the KIC selection proposal, a number of KICs will be selected. The number of KICs selected will depend on the maturity and readiness of European consortia to form credible KICs, the potential societal and economic impact, and opportunities for synergies with other initiatives, as well as the absorption capacity of the EIT and the budget available.*

Or. en

#### **Amendment 428**

**Lambert van Nistelrooij, Ioannis A. Tsoukalas, Cristina Gutiérrez-Cortines**

#### **Proposal for a regulation**

##### **Article 6 – paragraph 3 – subparagraph 1**

COM(2011)0809 – C7 0466/2011 – 2011/0401(COD)

Article 6, paragraph 3 – subparagraph 1

*Text proposed by the Commission*

3. The European Institute of Innovation and Technology shall be financed through a **maximum** contribution from Horizon 2020 of **EUR 3194 million as set out in Annex II. A first allocation of EUR 1542 million shall be provided to the European Institute of Innovation and Technology for activities under Title XVII of the Treaty on the Functioning of the European Union. A second allocation of**

*Amendment*

3. The European Institute of Innovation and Technology shall be financed through a **minimum** contribution from Horizon 2020 of **3,64 percent of the total budget as set out in Annex II.**

*up to EUR 1652 million shall be provided, subject to the review set out in Article 26 (1). This additional amount shall be provided on a pro-rata basis, as indicated in Annex II, from the amount for the specific objective 'Leadership in enabling and industrial technologies' within the priority on industrial leadership set out in paragraph 2(b) and from the amount for the priority on societal challenges set out in 2(c).*

Or. en

**Amendment 429**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 6 – paragraph 3 – subparagraph 1**

*Text proposed by the Commission*

3. The European Institute of Innovation and Technology shall be financed through a maximum contribution from Horizon 2020 of **EUR 3194 million** as set out in Annex II. ***A first allocation of EUR 1542 million shall be provided to the European Institute of Innovation and Technology for activities under Title XVII of the Treaty on the Functioning of the European Union. A second allocation of up to EUR 1652 million shall be provided, subject to the review set out in Article 26 (1). This additional amount shall be provided on a pro-rata basis, as indicated in Annex II, from the amount for the specific objective "Leadership in enabling and industrial technologies" within the priority on industrial leadership set out in paragraph 2(b) and from the amount for the priority on societal challenges set out in 2(c).***

*Amendment*

3. The European Institute of Innovation and Technology shall be financed through a maximum contribution from Horizon 2020 of **2.9% of total funding** as set out in Annex II.

Or. it

**Amendment 430**  
**Vicky Ford**

**Proposal for a regulation**  
**Article 6 – paragraph 3 – subparagraph 1**

*Text proposed by the Commission*

3. The European Institute of Innovation and Technology shall be financed through a maximum contribution from Horizon 2020 of **EUR 3194 million** as set out in Annex II. A first allocation of **EUR 1542 million** shall be provided to the European Institute of Innovation and Technology for activities under Title XVII of the Treaty on the Functioning of the European Union. A second allocation of up to **EUR 1652 million** shall be provided, subject to the review set out in Article 26 (1). This additional amount shall be provided on a pro-rata basis, as indicated in Annex II, from the amount for the specific objective ‘Leadership in enabling and industrial technologies’ within the priority on industrial leadership set out in paragraph 2(b) and from the amount for the priority on societal challenges set out in 2(c).

*Amendment*

3. The European Institute of Innovation and Technology shall be financed through a maximum contribution from Horizon 2020 of **1.2% of the total (pre-ITER) budget** as set out in Annex II. A first allocation of **48% of this budget** shall be provided to the European Institute of Innovation and Technology for activities under Title XVII of the Treaty on the Functioning of the European Union. A second allocation of up to **52% of the 1.2% of the total (pre-ITER) budget** shall **only** be provided subject to the review set out in Article 26 (1). This additional amount shall be provided on a pro-rata basis, as indicated in Annex II, from the amount for the specific objective ‘Leadership in enabling and industrial technologies’ within the priority on industrial leadership set out in paragraph 2(b) and from the amount for the priority on societal challenges set out in 2(c).

Or. en

*Justification*

*The proportion of the budget allocated to this is not taking into account my suggestion to include the commitment of ITER into an enlarged overall H2020 budget*

**Amendment 431**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Article 6 – paragraph 3 – subparagraph 2 – point a**



*Text proposed by the Commission*

*Amendment*

(a) in the first allocation, the ongoing developments of the current Knowledge and Innovation Communities (hereinafter KICs) and seed money for the launch of the second wave of three new KICs

(a) in the first allocation, the ongoing developments of the current Knowledge and Innovation Communities (hereinafter KICs) and seed money for the launch of the second wave of three new KICs ***in 2014***

Or. en

**Amendment 432**

**Vicky Ford**

**Proposal for a regulation**

**Article 6 – paragraph 3 – subparagraph 2 – point b**

*Text proposed by the Commission*

*Amendment*

(b) in the second allocation, the ongoing developments of the KICs already launched and the seed money for the launch of the third wave of ***three new KICs***

(b) in the second allocation, the ongoing developments of the KICs already launched and the seed money for the launch of the third wave of ***a new KIC, if after the mid-term review it can be demonstrated that the KICs are the most cost-effective, value-added way of delivering objectives on Industrial Leadership and Societal Challenges.***

Or. en

**Amendment 433**

**Ioannis A. Tsoukalas**

**Proposal for a regulation**

**Article 6 – paragraph 3 – subparagraph 2 – point b**

*Text proposed by the Commission*

*Amendment*

(b) in the second allocation, the ongoing developments of the KICs already launched and the seed money for the launch of the third wave of three new KICs

(b) in the second allocation, the ongoing developments of the KICs already launched and the seed money for the launch of the third wave of three new KICs

*in 2018*

Or. en

**Amendment 434**

**Vicky Ford**

**Proposal for a regulation**

**Article 6 – paragraph 3 – subparagraph 3 – introductory part**

*Text proposed by the Commission*

The second allocation shall be made available following *the* review set out in Article 26(1) taking into account in particular:

*Amendment*

The second allocation shall *only* be made available following *a positive* review *as* set out in Article 26(1) taking into account in particular:

Or. en

**Amendment 435**

**Vicky Ford**

**Proposal for a regulation**

**Article 6 – paragraph 3 – subparagraph 3 – point c**

*Text proposed by the Commission*

(c) the contribution of the European Institute of Innovation and Technology and its KICs to the Horizon 2020 objectives.

*Amendment*

(c) the contribution of the European Institute of Innovation and Technology and its KICs to the Horizon 2020 objectives, *in particular taking into account whether the KICs are the most cost-effective, value-added way of delivering the objectives.*

Or. en

**Amendment 436**

**Christian Ehler**

**Proposal for a regulation**

**Article 6 – paragraph 3 a (new)**

***3a. In order to respond to the evolving nature of science, technology and innovation and to adapt where relevant the Horizon 2020 programme to new developments and needs, the Commission may, following the mid-term review set out in Article 26(1)(a), by means of delegated acts in accordance with Articles 26a, 26b and 26c, modify the indicative breakdown set out in Annex II by up to 15 % of the total initial allocation for each priority and specific objective and, where relevant, the specific objectives and activities set out in Annex I.***

***In modifying Annex I and II, the Commission shall in particular take into account:***

***(a) the contribution of the different parts of the programme to the Horizon 2020 objectives;***

***(b) the development of the key indicators for assessing results and impacts of the different parts of the programmes as specified in Annex II of the Specific Programme;***

***(c) the foreseen future financial needs of the different parts and instruments of the programme, including the financial instruments.***

Or. en

*Justification*

*It is important to keep the programme flexible and to give the Commission the means to respond to new and unforeseen challenges or events. However, this should be done while ensuring maximum transparency and democratic accountability and without compromising the political choices made by the legislators.*

**Amendment 437**  
**Adam Gierek**

**Proposal for a regulation**  
**Article 6 – paragraph 4 – subparagraph 1**

*Text proposed by the Commission*

1. The financial envelope of Horizon 2020 may cover expenses pertaining to preparatory, monitoring, control, audit and evaluation activities which are required for the management of Horizon 2020 and the achievement of its objectives, in particular studies and **meetings of** experts, as far as **they are** related to the objectives of Horizon 2020, expenses linked to information technology networks focusing on information processing and exchange, together with all other technical and administrative assistance expenses incurred by the Commission for the management of Horizon 2020.

*Amendment*

1. The financial envelope of Horizon 2020 may cover expenses pertaining to preparatory, monitoring, control, audit and evaluation activities which are required for the management of Horizon 2020 and the achievement of its objectives, in particular studies and **work carried out by** experts, as far as **such work is** related to **giving opinions on research projects arising from** the objectives of Horizon 2020, expenses linked to information technology networks focusing on information processing and exchange, together with all other technical and administrative assistance expenses incurred by the Commission for the management of Horizon 2020.

Or. pl

*Justification*

*Experts should work, not meet each other, and they should do all that they can to avoid carrying out general analyses; rather, it is more important that they give opinions on specific projects.*

**Amendment 438**  
**Vicky Ford**

**Proposal for a regulation**  
**Article 6 – paragraph 5**

*Text proposed by the Commission*

5. In order to respond to unforeseen situations or new developments and needs, and to take into account the provisions of paragraph 3 of this article, the Commission may, following the interim evaluation of

*Amendment*

5. In order to respond to unforeseen situations or new developments and needs, and to take into account the provisions of paragraph 3 of this article, the Commission may, following the interim evaluation of

Horizon 2020 as referred to in Article 26(1)(a) of this Regulation, within the annual budgetary procedure review the amounts set out for the priorities in paragraph 2 and the indicative breakdown by specific objectives within these priorities set out in Annex II and transfer appropriations between the priorities and specific objectives up to **10** % of the total initial allocation of each priority and up to **10** % of the initial indicative breakdown of each specific objective. This does not concern the amount set out for the direct actions of the Joint Research Centre in paragraph 2 *or the contribution to the European Institute of Innovation and Technology set out in paragraph 3.*

Horizon 2020 as referred to in Article 26(1)(a) of this Regulation, within the annual budgetary procedure review the amounts set out for the priorities in paragraph 2 and the indicative breakdown by specific objectives within these priorities set out in Annex II and transfer appropriations between the priorities and specific objectives up to **20** % of the total initial allocation of each priority and up to **20** % of the initial indicative breakdown of each specific objective. This does not concern the amount set out for the direct actions of the Joint Research Centre in paragraph 2.

Or. en

**Amendment 439**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Article 6 – paragraph 5**

*Text proposed by the Commission*

5. In order to respond to unforeseen situations or new developments and needs, and to take into account the provisions of paragraph 3 of this article, the Commission may, following the interim evaluation of Horizon 2020 as referred to in Article 26(1)(a) of this Regulation, within the annual budgetary procedure review the amounts set out for the priorities in paragraph 2 and the indicative breakdown by specific objectives within these priorities set out in Annex II and transfer appropriations between the priorities and specific objectives up to 10 % of the total initial allocation of each priority and up to 10 % of the initial indicative breakdown of each specific objective. This does not concern the amount set out for the direct

*Amendment*

5. In order to respond to unforeseen situations or new developments and needs, and to take into account the provisions of paragraph 3 of this article, the Commission may, following the interim evaluation of Horizon 2020 as referred to in Article 26(1)(a) of this Regulation, within the annual budgetary procedure review the amounts set out for the priorities in paragraph 2 and the indicative breakdown by specific objectives within these priorities set out in Annex II and transfer appropriations between the priorities and specific objectives up to 10 % of the total initial allocation of each priority and up to 10 % of the initial indicative breakdown of each specific objective. This does not concern the amount set out for the direct

actions of the Joint Research Centre in paragraph 2 or the contribution to the European Institute of Innovation and Technology set out in paragraph 3.

actions of the Joint Research Centre in paragraph 2 or the contribution to the European Institute of Innovation and Technology set out in paragraph 3. ***In reviewing the amounts, the Commission shall in particular take into account the contribution of the different parts of the programme to the overall Horizon 2020 objectives as results from the assessment of their output based on comparable key indicators.***

Or. en

**Amendment 440**  
**Catherine Trautmann**

**Proposal for a regulation**  
**Article 6 – paragraph 5**

*Text proposed by the Commission*

5. In order to respond to unforeseen situations or new developments and needs, and to take into account the provisions of paragraph 3 of this article, the Commission may, following the interim evaluation of Horizon 2020 as referred to in Article 26(1)(a) of this Regulation, within the annual budgetary procedure review the amounts set out for the priorities in paragraph 2 and the indicative breakdown by specific objectives within these priorities set out in Annex II and transfer appropriations between the priorities and specific objectives up to 10 % of the total initial allocation of each priority and up to 10 % of the initial indicative breakdown of each specific objective. This does not concern the amount set out for the direct actions of the Joint Research Centre in paragraph 2 or the contribution to the European Institute of Innovation and Technology set out in paragraph 3.

*Amendment*

5. In order to respond to unforeseen situations or new developments and needs, and to take into account the provisions of paragraph 3 of this article, the Commission may, following the interim evaluation of Horizon 2020 as referred to in Article 26(1)(a) of this Regulation, within the annual budgetary procedure, ***and respecting in full the budgetary authority's prerogatives,*** review the amounts set out for the priorities in paragraph 2 and the indicative breakdown by specific objectives within these priorities set out in Annex II and transfer appropriations between the priorities and specific objectives up to 10 % of the total initial allocation of each priority and up to 10 % of the initial indicative breakdown of each specific objective. This does not concern the amount set out for the direct actions of the Joint Research Centre in paragraph 2 or the contribution to the European Institute of Innovation and

Technology set out in paragraph 3.

Or. fr

**Amendment 441**

**Maurice Ponga, Jean-Pierre Audy, Lambert van Nistelrooij, Gaston Franco**

**Proposal for a regulation**

**Article 7 – title**

*Text proposed by the Commission*

*Amendment*

Association of third countries

***Participation by overseas countries and territories and*** association of third countries

Or. fr

*Justification*

*The Overseas Association Decision of 27 November 2001 provides, in Article 58 and Annex II F, for the overseas countries and territories, as territories associated with the Union, to participate in EU programmes, notably the research and development framework programme.*

**Amendment 442**

**Gunnar Hökmark**

**Proposal for a regulation**

**Article 7 – paragraph 1 – point b – introductory part**

*Text proposed by the Commission*

*Amendment*

(b) selected third countries that ***fulfil all of the following criteria:***

(b) selected third countries that ***shall:***

Or. en

**Amendment 443**

**Gunnar Hökmark**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point i**

*Text proposed by the Commission*

(i) have a good capacity in science, technology and innovation;

*Amendment*

(i) ***Are world-leaders in their respective research field and*** have a good capacity in science, technology and innovation;

Or. en

**Amendment 444**  
**Gunnar Hökmark**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point i a (new)**

*Text proposed by the Commission*

*Amendment*

***(ia) be able to contribute to the development of global excellence in Europe***

Or. en

**Amendment 445**  
**Gunnar Hökmark**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point ii**

*Text proposed by the Commission*

*Amendment*

***(ii) have a good track record of participation in Union research and innovation programmes;***

***deleted***

Or. en

**Amendment 446**  
**Gunnar Hökmark**



**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point iii**

*Text proposed by the Commission*

*Amendment*

*(iii) have close economic and geographical links to the Union;*

*deleted*

Or. en

**Amendment 447**  
**Nuno Teixeira**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point iii**

*Text proposed by the Commission*

*Amendment*

iii) have close economic and geographical links to the Union;

iii) have close economic and geographical links to the Union *or maintain special historical and cultural ties with Member States of the Union;*

Or. pt

*Justification*

*Historical and cultural ties should also be included in relation to associating third countries, alongside purely economic and geographical links, as Member State relations can offer benefits for international cooperation in this area.*

**Amendment 448**  
**Frédérique Ries, Kent Johansson**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point iii**

*Text proposed by the Commission*

*Amendment*

(iii) have close economic and geographical links to the Union;

(iii) have close *political*, economic and geographical links to the Union;

Or. fr

*Justification*

*The existence of common democratic values must be one of the key criteria when setting up research programmes with third countries.*

**Amendment 449**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b – point iii a (new)**

*Text proposed by the Commission*

*Amendment*

*(iii) have a system based on democratic principles and an efficient civil service;*

Or. it

**Amendment 450**  
**Marita Ulvskog, Britta Thomsen**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – point b a (new)**

*Text proposed by the Commission*

*Amendment*

*(ba) The EFTA States that are party to the EEA Agreement, in accordance with the provisions of that agreement.*

Or. en

*Justification*

*This amendment does not alter the content of the Commission's proposal but makes a clearer reference to the EEA agreement and the participation of EEA EFTA states in Horizon 2020.*

**Amendment 451**  
**Maurice Ponga, Jean-Pierre Audy, Gaston Franco, Lambert van Nistelrooij**

**Proposal for a regulation**  
**Article 7 – paragraph 1 – subparagraph -1 (new)**

PE492.656v01-00

146/178

AM\906699EN.doc

*Text proposed by the Commission*

*Amendment*

***Horizon 2020 shall be open to participation by the overseas countries and territories referred to in Council Decision 2001/822/EC on the association of the overseas countries and territories with the European Community (the ‘Overseas Association Decision’) subject to the specific conditions laid down therein.***

Or. fr

*Justification*

*The Overseas Association Decision of 27 November 2001 provides, in Article 58 and Annex II F, for the overseas countries and territories, as territories associated with the Union, to participate in EU programmes, notably the research and development framework programme.*

**Amendment 452**  
**Paul Rübige**

**Proposal for a regulation**  
**Article 7 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***1a. The terms and conditions regarding the participation of the EFTA States that are party to the EEA Agreement shall be in accordance with the provisions of that Agreement.***

Or. en

*Justification*

*The aim is to clarify that the terms of participation of the EEA EFTA States in Horizon 2020 shall be as already determined in the EEA Agreement, i.e. in the same way as their participation in the existing as well as previous Research Programmes.*

**Amendment 453**  
**Britta Thomsen**

**Proposal for a regulation**  
**Article 7 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***1a. The terms and conditions regarding the participation of the EFTA States that are party to the EEA Agreement shall be in accordance with the provisions of that Agreement.***

Or. en

*Justification*

*The aim is to clarify that the terms of participation of the EEA EFTA States in Horizon 2020 shall be as already determined in the EEA Agreement, i.e. in the same way as their participation in the existing as well as previous Research Programmes.*

**Amendment 454**  
**Kent Johansson, Hannu Takkula, Jens Rohde, Fiona Hall**

**Proposal for a regulation**  
**Article 7 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***1a. The terms and conditions regarding the participation of the EFTA States that are party to the EEA Agreement shall be in accordance with the provisions of that Agreement.***

Or. en

*Justification*

*The aim is to clarify that the terms of participation of the EEA EFTA States in Horizon 2020 shall be as already determined in the EEA Agreement, i.e. in the same way as their participation in the existing as well as previous Research Programmes. To include a clear reference to the EEA Agreement is important in order to not cause unnecessary legal uncertainty. This new paragraph has the same wording as the similar clause in the*

*Commission proposal for Erasmus for All-programme.*

**Amendment 455**

**Marita Ulvskog**

**Proposal for a regulation**

**Article 7 – paragraph 2 a (new)**

*Text proposed by the Commission*

*Amendment*

***2a. Association of third countries involved in military or territorial conflicts, or where there are reasonably grounded suspicions of human rights violations shall be restricted and follow specific rules outlined in Regulation (EU) XX/XX [Rules for Participation].***

Or. en

*Justification*

*Adjacent to this submission are another set of amendments to the Rules for Participation in Horizon 2020. That amendment outlines specific rules for countries falling under the criteria described above and requires thorough reporting ensuring a "firewall" between EU research funding and the military or territorial conflict or human rights violation in question.*

**Amendment 456**

**Alyn Smith**

**Proposal for a regulation**

**Article 9 – paragraph 2 a (new)**

*Text proposed by the Commission*

*Amendment*

***2a. Effective coordination between the three main pillars of Horizon 2020 shall be ensured.***

Or. en

**Amendment 457**  
**Romana Jordan**

**Proposal for a regulation**  
**Article 10 – paragraph 1**

*Text proposed by the Commission*

1. Horizon 2020 shall support indirect actions through one or several of the forms of funding provided for by Regulation (EU) No XX/2012 [New Financial Regulation] in particular grants, prizes, procurement and financial instruments.

*Amendment*

1. Horizon 2020 shall support indirect actions through one or several of the forms of funding provided for by Regulation (EU) No XX/2012 [New Financial Regulation] in particular grants, prizes, procurement and financial instruments.  
***The latter shall be the predominant form of funding for activities close to market, supported under this programme.***

Or. en

**Amendment 458**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 10 – paragraph 3 a (new)**

*Text proposed by the Commission*

*Amendment*

***3a. Horizon 2020 shall not provide support to defence research and innovation activities and shall explicitly exclude support to civilian-military dual-use technologies;***

Or. en

**Amendment 459**  
**Maria Da Graça Carvalho, Teresa Riera Madurell, Pilar del Castillo Vera**

**Proposal for a regulation**  
**Article 11 a (new)**

*Text proposed by the Commission*

*Amendment*

***Article 11a***

***Strategic Advisory and Coordination***

***Strategic advisory and coordination of research and innovation aiming at common objectives and requiring synergies across Horizon 2020 will be pursued.***

Or. en

**Amendment 460**  
**Hermann Winkler**

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported. ***All the relevant scientific disciplines should be represented, alongside experts who are familiar with the needs of industry.***

Or. de

**Amendment 461**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported ***through a streamlined set of measures wherein duplication and overlapping of funding structures are avoided.***

Or. en

**Amendment 462**  
**Catherine Trautmann, Henri Weber**

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; ***targeted public*** consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; ***active*** consultations ***with representatives of civil society and particularly of target groups such as elderly people and people with disabilities;*** and transparent and interactive processes that ensure responsible research and innovation is supported.

Or. fr



**Amendment 463**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is *supported*.

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts, ***from a wide variety of sectors and background (including civil society representatives)*** set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is ***implemented***.

Or. en

**Amendment 464**  
**Adam Gierek**

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up ***at the request of Member States*** by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

*Justification*

*Member States ought to have a decisive influence on shaping the list of independent experts so that balance and impartiality can be maintained when applications for grants are assessed.*

**Amendment 465**  
**Oreste Rossi**

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; ***representatives from industry (especially in the case of EITs)***; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

Or. it

**Amendment 466**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Article 12 – paragraph 1**

*Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures

*Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures

created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

created under international science and technology agreements; forward looking activities; targeted public consultations; ***input from civil society organisations***; and transparent and interactive processes that ensure responsible research and innovation is supported.

Or. en

#### **Amendment 467**

**Kent Johansson, Hannu Takkula, Jens Rohde, Fiona Hall, Cristian Silviu Buşoi**

#### **Proposal for a regulation Article 12 – paragraph 1**

##### *Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

##### *Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations, ***including with national and regional authorities***; and transparent and interactive processes that ensure responsible research and innovation is supported.

Or. en

#### **Amendment 468**

**Corinne Lepage**

#### **Proposal for a regulation Article 12 – paragraph 1**

##### *Text proposed by the Commission*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of

##### *Amendment*

1. For the implementation of Horizon 2020, account shall be taken of advice and inputs provided by: advisory groups of

independent, high level experts set up by the Commission; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

independent, high level experts set up by the Commission; ***non-profit civil society platforms***; dialogue structures created under international science and technology agreements; forward looking activities; targeted public consultations; and transparent and interactive processes that ensure responsible research and innovation is supported.

Or. en

**Amendment 469**  
**Patrizia Toia**

**Proposal for a regulation**  
**Article 12 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***1a. Given the low participation of women researchers in the sixth and seventh framework programmes, Horizon 2020 shall resolve this issue through equal opportunities for professional advancement for both female and male researchers, focusing on their mobility and on ways to reconcile family life and work.***

Or. it

**Amendment 470**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 12 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***1a. In drawing up the work programmes stipulated in Article 5 of Decision No XX/XX/EU of the Council [Specific Programme H2020], the Commission***

*shall take account of the widest advice and input provided by the stakeholders, the Member States, the European Parliament and the Council. The Committee responsible in the European Parliament may invite representatives of the Commission to present to the Committee the draft work programmes.*

Or. en

**Amendment 471**

**Corinne Lepage**

**Proposal for a regulation**

**Article 12 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

*1a. Building on the work initiated under the Science and Society theme of the Seventh Framework Programme, Horizon 2020 shall ensure the participation of civil society organisations both in the definition of research priorities and in the design of certain work programmes, and, where relevant, in research activities through specific calls for projects.*

Or. en

**Amendment 472**

**Philippe Lamberts**

on behalf of the Verts/ALE Group

**Proposal for a regulation**

**Article 12 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

*1a. To further attract the involvement and participation of citizens and civil society in research, the programmes promoting citizen's and civil society participation*

*initiated under the Seventh Framework Programme shall be continued in Horizon 2020 both as a stand-alone programme and as specific activities in particular under the societal challenges. Specific calls for participatory research shall be implemented where research and innovation activities are led by civil society organisations or where those organisations and citizens are actively involved as part of the project.*

Or. en

**Amendment 473**  
**Corinne Lepage**

**Proposal for a regulation**  
**Article 12 – paragraph 1 b (new)**

*Text proposed by the Commission*

*Amendment*

*1b. To ensure the societal relevance of research needs and priorities established under societal challenges, the Commission shall set up platforms for dialogue between civil society representatives and researchers.*

Or. en

**Amendment 474**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 12 – paragraph 1 b (new)**

*Text proposed by the Commission*

*Amendment*

*1b. Civil society organisations and citizen's participation in the definition, execution and evaluation of research programmes will be crucial for tackling*

*societal challenges and will be supported throughout Horizon 2020, including in the drafting of the annual work programmes. Under each societal challenge, a specific platform for dialogue between civil society, citizens and researchers will be established for discussing research priorities in the specific sector areas.*

Or. en

**Amendment 475**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 12 – paragraph 2**

*Text proposed by the Commission*

2. Full account shall also be taken of relevant aspects of the research and innovation agendas established by European Technology Platforms, Joint Programming Initiatives and European Innovation Partnerships.

*Amendment*

2. Full account shall also be taken of relevant aspects of the research and innovation agendas established by European Technology Platforms, Joint Programming Initiatives and European Innovation Partnerships, *provided these have been drafted in consultation with a wide range of experts and stakeholders.*

Or. en

**Amendment 476**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Article 12 – paragraph 2**

*Text proposed by the Commission*

2. Full account shall also be taken of relevant aspects of the research and innovation agendas established by European Technology Platforms, Joint

*Amendment*

2. Full account shall also be taken of relevant aspects of the research and innovation agendas established by *the* European *Institute of Innovation and*

Programming Initiatives and European Innovation Partnerships.

Technology, **European Technology** Platforms, Joint Programming Initiatives and European Innovation Partnerships.

Or. en

**Amendment 477**  
**Marita Ulvskog**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including ***the gender perspective in projects***, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers. ***Horizon 2020 will encourage and support activities towards exploiting Europe's leadership in the race to develop new processes and technologies promoting sustainable development, in a broad sense, and combating climate change. Such horizontal approach, fully integrated in all Horizon 2020 priorities, will help the Union to prosper in a low-carbon, resource constrained world while building a resource efficient, sustainable and competitive economy.***

Or. en



**Amendment 478**  
**Corinne Lepage**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to ***climate change, healthy seas and oceans and sustainable development***, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 479**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key

enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

enabling and industrial technologies, to bridging from discovery to market application, to *involving SMEs, to* cross-disciplinary research and *social, organisational and systems* innovation, to *the integration of* social and economic sciences and humanities *within Horizon 2020*, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 480**  
**Giles Chichester, Vicky Ford**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to *cross-disciplinary* research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to *cross-, trans- and inter-disciplinary* research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 481**  
**Algirdas Saudargas**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to ***the development of research into European legal systems***, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 482**  
**Christian Ehler**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to

bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, **to closing the research and innovation divide in Europe, to identifying and boosting small units of embryonic excellence throughout the Union,** to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 483**  
**Henri Weber, Catherine Trautmann**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, **to mathematics,** to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. fr

**Amendment 484**  
**Jean-Pierre Audy**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to **cross-disciplinary** research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to **multi-, inter- and trans-disciplinary** research and innovation, to social and economic sciences and humanities, to **mathematics, to** fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

*Justification*

*Regrets that, until now, mathematicians have not been made able to take part to the previous Framing Programmes. Horizon 2020 should put right this failure and put in place the appropriate measures.*

**Amendment 485**  
**Kent Johansson, Jürgen Creutzmann, Hannu Takkula, Jens Rohde, Fiona Hall, Vladko Todorov Panayotov, Frédérique Ries, Olle Schmidt**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to ***climate change and sustainable development***, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including ***a gender perspective, to SME involvement in research and innovation and the broader private sector participation***, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 486**  
**Judith A. Merkies**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA,

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA,

to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

to cooperation with third countries, to responsible research and innovation including gender, ***to SME involvement in research and innovation and the broader private sector participation and*** to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 487**  
**Romana Jordan**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, ***to widening the pan-European cooperation in research, to cooperation*** with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 488**  
**Lambert van Nistelrooij, Cristina Gutiérrez-Cortines**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, ***to private sector participation generally and SME involvement specifically and*** to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 489**  
**Silvia-Adriana Țicău**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA,

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to ***mathematics,*** ***to*** fostering the functioning and



to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

#### **Amendment 490**

**Andrzej Grzyb, Jerzy Buzek, Jolanta Emilia Hibner, Lena Kolarska-Bobińska, Bogdan Kazimierz Marcinkiewicz, András Gyürk, Herbert Reul, Krišjānis Kariņš, Marian-Jean Marinescu, Jan Březina, Piotr Borys**

#### **Proposal for a regulation Article 13 – paragraph 1**

##### *Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

##### *Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, ***to widening participation across the Union in research and innovation***, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

#### **Amendment 491 Edit Herczog**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to **widening participation across the Union in research and innovation**, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 492**  
**Ioannis A. Tsoukalas**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to **cross-disciplinary** research and innovation, to social and economic sciences and humanities, to fostering the

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to **multi- and inter-disciplinary** research and innovation, to social and economic sciences and

functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible **and ethical** research and innovation including gender **and age**, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 493**  
**Konrad Szymański**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including **gender**, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, **to the development of research into European legal systems**, to cooperation with third countries, to **ethical** responsible research and innovation including **the respect of equal opportunities between men and women in research**, to enhancing the attractiveness of the research profession **for both sexes** and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 494**  
**Konrad Szymański**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation **including gender**, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

*Justification*

*The expression ‘gender issues’ is ambiguous when referred to the contents of the projects and can also be associated with controversial and not commonly shared agendas.*

**Amendment 495**  
**Marisa Matias**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the

development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, ***governance of research and participatory research, and*** to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 496**  
**Corinne Lepage**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, ***to more inclusive governance of research, to participatory research,*** and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 497**

**Cristina Gutiérrez-Cortines, Pilar del Castillo Vera, Maria Da Graça Carvalho**

**Proposal for a regulation**

**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities , to ***a systemic approach of the spatial, urban and territorial issues***, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

*Justification*

*Territory and spatial dimension, (land use, region and cities), is completely missing in the program. This is a key and central element of the societal challenges and must be integrated in all the actions.*

**Amendment 498**

**Elisabetta Gardini**

**Proposal for a regulation**

**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, **to the development of research into European legal systems**, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 499**  
**Anna Záborská, Jan Březina**

**Proposal for a regulation**  
**Article 13 – paragraph 1**

*Text proposed by the Commission*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation

*Amendment*

1. Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, **to the development of research into European legal systems**, to cooperation

including *gender*, and to enhancing the attractiveness of the research profession and to facilitating cross-border and cross-sector mobility of researchers.

with third countries, to *ethical* responsible research and innovation including *the respect of equal opportunities between men and women in research*, to enhancing the attractiveness of the research profession *for both sexes* and to facilitating cross-border and cross-sector mobility of researchers.

Or. en

**Amendment 500**  
**Philippe Lamberts**  
on behalf of the Verts/ALE Group

**Proposal for a regulation**  
**Article 13 – paragraph 1 a (new)**

*Text proposed by the Commission*

*Amendment*

***1a. To ensure that cross-cutting concerns are properly considered in the implementation of Horizon 2020, the Commission shall carry out not only an economical but also societal, ethical and sustainability assessment and evaluation of the specific research programmes as part of regular monitoring and evaluation of Horizon 2020.***

Or. en

**Amendment 501**  
**Britta Thomsen**

**Proposal for a regulation**  
**Article 13 – paragraph 2 a (new)**

*Text proposed by the Commission*

*Amendment*

***2a. In order to ensure that applicants have sufficient freedom to create interdisciplinary projects with innovative solutions that cut across different***



*priorities of Horizon 2020, calls for proposals shall be as open as possible. In order to allow for sufficient room for bottom-up approaches and open, light and fast schemes under each of the challenges and technologies to provide Europe's best researchers, entrepreneurs and enterprises with the opportunity to put forward breakthrough solutions of their choice, the work programmes shall be defined in broad terms with as little specific details as possible.*

Or. en

**Amendment 502**  
**Paul Rübige**

**Proposal for a regulation**  
**Article 13 a (new)**

*Text proposed by the Commission*

*Amendment*

*Article 13a*

*All research and innovation builds on the capacity of scientists, research institutions, businesses and citizens to openly access, share and use scientific information. To increase the circulation and exploitation of knowledge, free open online access to scientific publications, already embraced in the Seventh Framework Programme, shall be the general principle for scientific publications which receive public funding from Horizon 2020. Furthermore, Horizon 2020 shall experiment with online open access to scientific data produced or collected by publicly funded research aiming at open access to such data becoming the general rule by 2020. At the same time disclosure of research results shall be limited if patent activities can be compromised*

*Justification*

*In matter of research and innovation highly sensitive data is being produced and under the light of security, the chances to safeguard security and patent rights need to be met. An obligation for open access would only be acceptable if the scope is limited to published versions, no obligation to publish and interfere with commercial exploitation of research results or the possibility to protect results by intellectual property rights. Otherwise property rights may be violated; this would lead to a diminishing participation of companies in HORIZON 2020.*