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Committee on Development

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AMENDMENTS

33 - 85

Draft opinion

Bill Newton Dunn

(PE489.624v01-00)

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

Proposal for a regulation

(COM(2011)0809 – C7-0466/2011 – 2011/0401(COD))

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Amendment 33

Franziska Keller, Judith Sargentini, Catherine Grèze

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: ***promote active participation and*** informed engagement of citizens and civil society ***in the process of*** research and innovation; ***promote*** 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 ***meet*** 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 34

Filip Kaczmarek

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 around the world to openly access, share and use scientific information, respecting at the same time intellectual property rights. This is particularly important for actors in developing countries, where

local research capacity must be improved and whose collaboration with Union partners can help to tackle common global challenges and contribute to Union research excellence. To increase the circulation and exploitation of knowledge, free open 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 promote open access to other scientific data produced or collected by publicly funded research, with the aim that open access to such data becomes the general rule by 2020.

Or. en

Amendment 35

Franziska Keller, Judith Sargentini, Catherine Grèze

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. All activities should be carried out ensuring a high level of human health protection in accordance with Article 168 TFEU. ***Ethical principles, such as the Helsinki Declaration, require that scientific data produced or collected by publicly funded research conducted on humans are made public, irrespective of where they take place in Europe or***

elsewhere in the world.

Or. en

Amendment 36

Anna Záborská

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 constitutional and 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 37

Anna Záborská

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) ***There are considerable differences between national legislations on research using human embryos and human embryonic stem cells, and between EU***

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.

Member States and third countries. The Union's research policy should not seek to harmonise national legislation in the Member States or influence the change of legislation of third countries when funding research cooperation. In connection with the Seventh Framework Programme, the Commission declared 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 cells¹. This commitment should be part of the present Regulation in order to ensure legal certainty.

¹ *Statement by the Commission 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 38
Anna Záborská

Proposal for a regulation
Recital 25 a (new)

Text proposed by the Commission

Amendment

*(25a) When funding research cooperation with third countries within the framework of development cooperation, the Union should respect the *acquis communautaire*, notably the judgment of 18 October 2011 in Case C-34/10¹, *Oliver Brüstle v Greenpeace eV*.*

¹ *Not yet published in the ECR.*

Or. en

Amendment 39

Anna Záborská

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 Horizon 2020 in the framework of development cooperation with third countries to patent their inventions in Europe. As human embryonic stem cells are not patentable, this type of research should be excluded from Union funding of research cooperation with third countries, and funded exclusively by national budgets.

Or. en

Amendment 40

Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation

Article 13 – paragraph 1

Text proposed by the Commission

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

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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.

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 enhancing the attractiveness of the research profession and to facilitating *the* cross-border and cross-sector mobility of researchers, *while also promoting the involvement of researchers from developing countries.*

Or. it

Amendment 41
Anna Záborská

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

Amendment 42
Anna Záborská

Proposal for a regulation
Article 15 – title

Text proposed by the Commission

Gender equality

Amendment

***Equal opportunities for men and women
in research and innovation***

Or. en

Amendment 43
Anna Záborská

Proposal for a regulation
Article 15 – paragraph 1

Text proposed by the Commission

Horizon 2020 shall ensure the effective promotion of ***gender equality*** and ***the gender dimension*** in research and innovation content.

Amendment

Horizon 2020 shall ensure the effective promotion of ***equal opportunities for men*** and ***women*** in research and innovation content.

Or. en

Amendment 44
Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation
Article 16 – paragraph 1 – subparagraph 1 a (new)

Text proposed by the Commission

Amendment

Ethical principles, including the Helsinki Declaration, require that scientific data produced or collected by publicly funded research conducted on humans, for instance in the context of clinical trials, are made public and accessible.

Or. en

Amendment 45
Anna Záborská

Proposal for a regulation
Article 16 – paragraph 3 – point a

Text proposed by the Commission

(a) research activity aiming at human cloning for reproductive purposes;

Amendment

(a) research activity aiming at human cloning for reproductive, ***therapeutic and scientific*** purposes;

Or. en

Amendment 46
Anna Záborská

Proposal for a regulation
Article 16 – paragraph 3 – point c a (new)

Text proposed by the Commission

Amendment

(ca) research which involves the destruction of human embryos;

Or. en

Amendment 47
Anna Záborská

Proposal for a regulation
Article 16 – paragraph 3 – point c b (new)

Text proposed by the Commission

Amendment

(cb) research using human embryonic stem cells.

Or. en

Amendment 48
Anna Záborská

Proposal for a regulation
Article 16 – paragraph 4

Text proposed by the Commission

4. Research on human stem cells, ***both adult and embryonic***, may be financed, depending both on the contents of the scientific proposal and the legal framework of the Member States involved. No funding shall be granted for research activities that are prohibited in all the Member States. No activity shall be funded in a Member State where such activity is forbidden.

Amendment

4. Research on ***other types of*** human stem cells may be financed, depending both on the contents of the scientific proposal and the legal framework of the Member States involved. No funding shall be granted for research activities that are prohibited in all the Member States. No activity shall be funded in a Member State where such activity is forbidden.

Or. en

Amendment 49
Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation
Article 18 a (new)

Text proposed by the Commission

Amendment

Article 18a

Civil Society Organisations

(1) Particular attention shall be paid to ensuring the adequate participation of, and innovation impact on, Civil Society Organisations (including those working in development cooperation) in Horizon 2020. Quantitative and qualitative assessments of Civil Society Organisations' (including those working in development cooperation) participation shall be undertaken as part of the evaluation and monitoring arrangements.

(2) Specific attention shall be paid to initiatives aimed at widening awareness and facilitating access to funding under Horizon 2020 of Civil Society Organisations, including those working in development cooperation. Horizon 2020

and other Union funding programmes, including the Structural Funds, shall be used for that purpose.

(3) Civil society organisations (including those working in development cooperation) shall be consulted during the implementation, programming, monitoring and evaluation of Horizon 2020.

Or. en

Amendment 50
Bill Newton Dunn

Proposal for a regulation
Article 19 – paragraph 2 – point a

Text proposed by the Commission

(a) financial contributions from the Union to joint undertakings established on the basis of Article 187 TFEU under the Seventh Framework Programme, subject to the amendment of their basic acts; to new public-private partnerships set up on the basis of Article 187 TFEU; and to other funding bodies referred to in Article [55(1)(b)(v) or (vii)] of Regulation (EU) No XX/2012 [New Financial Regulation]. This form of partnerships shall only be implemented where the scope of the objectives pursued and the scale of the resources required justify it;

Amendment

(a) financial contributions from the Union to joint undertakings established on the basis of Article 187 TFEU under the Seventh Framework Programme, subject to the amendment of their basic acts; to new public-private partnerships set up on the basis of Article 187 TFEU; ***to other existing innovative research and innovation partnerships such as product development partnerships, and*** to other funding bodies referred to in Article [55(1)(b)(v) or (vii)] of Regulation (EU) No XX/2012 [New Financial Regulation]. This form of partnerships shall only be implemented where the scope of the objectives pursued and the scale of the resources required justify it;

Or. en

Amendment 51
Bill Newton Dunn

Proposal for a regulation
Article 19 – paragraph 3 – point b

Text proposed by the Commission

(b) the scale of impact on industrial competitiveness, sustainable growth and socio-economic issues;

Amendment

(b) the scale of impact on industrial competitiveness, sustainable growth and socio-economic issues ***and the societal challenges, which are global in nature;***

Or. en

Amendment 52
Bill Newton Dunn

Proposal for a regulation
Article 19 – paragraph 3 a (new)

Text proposed by the Commission

Amendment

3a. The rules for participation and dissemination regarding public-private partnerships created or funded under Horizon 2020 shall fully comply with the rules laid down in Regulation (EU) No XX/XX [the Financial Regulation], as well as the rules laid down in Regulation (EU) No. XX/XX [Rules for participation and dissemination in Horizon 2020] and any derogation provided therein.

Or. en

Amendment 53
Bill Newton Dunn

Proposal for a regulation
Article 20 – paragraph 2 – subparagraph 1 – point b

Text proposed by the Commission

(b) Union participation in programmes undertaken by several Member States in accordance with Article 185 TFEU.

Amendment

(b) Union participation in programmes undertaken by several Member States in accordance with Article 185 TFEU ***and in***

cooperation with third countries or international organisations in accordance with Article 186 TFEU.

Or. en

Amendment 54
Bill Newton Dunn

Proposal for a regulation
Article 20 – paragraph 2 – subparagraph 3 – point e

Text proposed by the Commission

(e) the efficiency of Article 185 TFEU as the most appropriate means for achieving the objectives.

Amendment

(e) the efficiency of Article 185 TFEU ***or of Article 186 TFEU*** as the most appropriate means for achieving the objectives.

Or. en

Amendment 55
Filip Kaczmarek

Proposal for a regulation
Article 21 – paragraph 1 – point c

Text proposed by the Commission

(c) supporting the Union's external and development policy objectives, complementing external and development programmes.

Amendment

(c) supporting the Union's external and development policy objectives ***as set out in the European Consensus on Development and Agenda for Change***, complementing external and development programmes, ***and contributing to the fulfilment of international commitments in the field of sustainable development, in particular the achievement of the Millennium Development Goals and their subsequently internationally agreed adaptations.***

Or. en

Amendment 56
Bill Newton Dunn

Proposal for a regulation
Article 21 – paragraph 1 a (new)

Text proposed by the Commission

Amendment

1a. Existing or new cooperation arrangements established in accordance with Article 186 TFEU may be supported, particularly in order to contribute to achieving the priorities set out in point c of Article 5 (2) of this Regulation.

Or. en

Amendment 57
Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation
Article 21 – paragraph 2 – subparagraph 1

Text proposed by the Commission

Amendment

Targeted actions with the objective of promoting cooperation with specific third countries or groups of third countries shall be implemented on the basis of common interest and mutual benefit, taking into account their scientific and technological capabilities and market opportunities, and the expected impact.

Targeted actions with the objective of promoting cooperation with specific third countries or groups of third countries shall be implemented on the basis of common interest and mutual benefit, taking into account their scientific and technological capabilities and market opportunities, and the expected impact. ***They include actions dedicated to the reinforcement of research capacities in developing countries and cooperation actions centred on their specific needs in domains such as health, including research on neglected diseases and epidemics, agriculture, fisheries and environment.***

Or. en

Amendment 58
Eleni Theocharous

Proposal for a regulation
Article 21 – paragraph 2 – subparagraph 3 a (new)

Text proposed by the Commission

Amendment

Coordination policies will, in addition, work in line with migration, asylum and developmental policies, in order to avoid a "brain drain" from developing countries.

Or. en

Amendment 59
Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation
Article 22 – paragraph 1

Text proposed by the Commission

Amendment

The European Commission shall implement information and communication actions concerning Horizon 2020, including communication measures concerning supported projects and results. Budget allocated to communication under Horizon 2020 shall also contribute to covering the corporate communication of the Union's political priorities as far as they are related to the general objective of this Regulation.

The European Commission shall implement information and communication actions concerning Horizon 2020, including communication measures concerning supported projects and results. ***In order to increase the circulation and exploitation of knowledge and maximize the efficiency of research efforts, free open online access to scientific publications, already embraced in the Seventh Framework Programme, shall be the general principle for scientific publications of research receiving public funding from Horizon 2020. Free open access to scientific data produced or collected through research funded by Horizon 2020 shall be promoted and tested with the objective of making it mandatory in 2020.*** Budget allocated to communication under Horizon 2020 shall also contribute to covering the corporate communication of the Union's political priorities as far as they are related to the

general objective of this Regulation.

Or. en

Amendment 60

Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation

Article 22 – paragraph 3 – point a

Text proposed by the Commission

(a) initiatives aimed at widening awareness and facilitating access to funding under Horizon 2020, in particular for those regions or types of participant that are underrepresented;

Amendment

(a) initiatives aimed at widening awareness and facilitating access to funding under Horizon 2020, in particular for those regions or types of participant that are underrepresented, ***such as researchers from developing countries and other third countries***;

Or. it

Amendment 61

Anna Záborská

Proposal for a regulation

Article 26 – paragraph 1 – point b

Text proposed by the Commission

(b) Not later than end 2017, and taking into account the ex-post evaluation of the Seventh Framework Programme to be completed by the end of 2015 and the review of the European Institute of Innovation and Technology, the Commission shall carry out, with the assistance of independent experts, an interim evaluation of Horizon 2020, its specific programme, including the European Research Council, and the activities of the European Institute of Innovation and Technology, on the achievements (at the level of results and

Amendment

(b) Not later than end 2017, and taking into account the ex-post evaluation of the Seventh Framework Programme to be completed by the end of 2015 and the review of the European Institute of Innovation and Technology, the Commission shall carry out, with the assistance of independent experts, an interim evaluation of Horizon 2020, its specific programme, including the European Research Council, and the activities of the European Institute of Innovation and Technology, on the achievements (at the level of results and

progress towards impacts) of the objectives of Horizon 2020 and continued relevance of all the measures, the efficiency and use of resources, the scope for further simplification, and Union added value. That evaluation shall also take into consideration aspects relating to access to funding opportunities for participants in all regions, for SMEs and for promoting **gender balance**. That evaluation shall additionally take into account the contribution of the measures to the Union priorities of smart, sustainable and inclusive growth and results on the long-term impact of the predecessor measures.

progress towards impacts) of the objectives of Horizon 2020 and continued relevance of all the measures, the efficiency and use of resources, the scope for further simplification, and Union added value. That evaluation shall also take into consideration aspects relating to access to funding opportunities for participants in all regions, for SMEs and for promoting **equal opportunities for men and women in research and innovation**. That evaluation shall additionally take into account the contribution of the measures to the Union priorities of smart, sustainable and inclusive growth and results on the long-term impact of the predecessor measures.

Or. en

Amendment 62

Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation

Annex I – paragraph 14 – point b

Text proposed by the Commission

(b) Food security, sustainable agriculture, marine and maritime research, and the bio-economy;

Amendment

(b) Food security **and** sustainable agriculture – **via targeted measures to combat land grabbing in developing countries** – marine and maritime research and the bio-economy;

Or. it

Amendment 63

Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation

Annex I – paragraph 15

Text proposed by the Commission

All the activities shall take a challenge-

Amendment

All the activities shall take a challenge-

based approach, focusing on policy priorities without predetermining the precise choice of technologies or solutions that should be developed. The emphasis shall be on bringing together a critical mass of resources and knowledge across different fields, technologies and scientific disciplines in order to address the challenges. The activities shall cover the full cycle from research to market, with a new focus on innovation-related activities, such as piloting, demonstration, test-beds, support for public procurement, design, end-user driven innovation, social innovation and market take-up of innovations.

based approach, focusing on policy priorities without predetermining the precise choice of technologies or solutions that should be developed. The emphasis shall be on bringing together a critical mass of resources and knowledge across different fields, technologies and scientific disciplines in order to address the challenges. The activities shall cover the full cycle from research to market, with a new focus on innovation-related activities, such as piloting, demonstration, test-beds, support for public procurement, design, end-user driven innovation, ***the use of innovative research funding tools such as innovation awards – particularly in cases where the market fails to fulfil its proper function and where Europe and the rest of the world are confronted with major challenges*** – social innovation and market take-up of innovations.

Or. fr

Amendment 64

Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation

Annex I – part I – point 1.3 – paragraph 5

Text proposed by the Commission

By 2020, the ERC therefore shall aim to demonstrate: that the best researchers are participating in the ERC's competitions, that ERC funding has led directly to scientific publications of the highest quality and to the commercialisation and application of innovative technologies and ideas and that the ERC has contributed significantly to making Europe a more attractive environment for the world's best scientists. In particular, the ERC shall target a measurable improvement in the Union's share of the world's top 1% most highly cited publications. In addition it

Amendment

By 2020, the ERC therefore shall aim to demonstrate: that the best researchers are participating in the ERC's competitions, that ERC funding has led directly to scientific publications of the highest quality and to the commercialisation and application of innovative technologies and ideas and that the ERC has contributed significantly to making Europe a more attractive environment for the world's best scientists. In particular, the ERC shall target a measurable improvement in the Union's share of the world's top 1% most highly cited publications. In addition it

shall aim at a substantial increase in the number of excellent researchers from outside Europe whom it funds and specific improvements in institutional practices and national policies to support top researchers.

shall aim at an increase in the number of excellent researchers from outside Europe whom it funds, ***with the provision of support for young researchers from developing countries***, and ***at*** specific improvements in institutional practices and national policies to support top researchers.

Or. it

Amendment 65
Anna Záborská

Proposal for a regulation
Annex I – part I – point 1.3 – paragraph 6

Text proposed by the Commission

The ERC's Scientific Council shall continuously monitor the ERC's operations and consider how best to achieve its objectives by means of grant schemes that emphasise clarity, stability and simplicity, both for applicants and in their implementation and management, and, as necessary, to respond to emerging needs. It shall endeavour to sustain and further refine the ERC's world-class peer-review system which is based on transparent, fair and impartial treatment of proposals so that it can identify ground-breaking scientific excellence and talent regardless of a researcher's ***gender***, nationality or age. Finally, the ERC shall continue conducting its own strategic studies to prepare for and support its activities, maintain close contacts with the scientific community and other stakeholders and look to make its activities complement research conducted at other levels.

Amendment

The ERC's Scientific Council shall continuously monitor the ERC's operations and consider how best to achieve its objectives by means of grant schemes that emphasise clarity, stability and simplicity, both for applicants and in their implementation and management, and, as necessary, to respond to emerging needs. It shall endeavour to sustain and further refine the ERC's world-class peer-review system which is based on transparent, fair and impartial treatment of proposals so that it can identify ground-breaking scientific excellence and talent regardless of a researcher's ***sex***, nationality or age. Finally, the ERC shall continue conducting its own strategic studies to prepare for and support its activities, maintain close contacts with the scientific community and other stakeholders and look to make its activities complement research conducted at other levels.

Or. en

Amendment 66
Anna Záborská

Proposal for a regulation
Annex I – part I – point 3.1 – paragraph 6

Text proposed by the Commission

If Europe is to match its competitors in research and innovation, it must entice more young women and men to embark on research careers and provide highly attractive opportunities and environments for research and innovation. The most talented individuals, from Europe and elsewhere, should see Europe as a pre-eminent place to work. ***Gender equality***, high-quality and reliable employment and working conditions plus recognition are crucial aspects that must be secured in a consistent way across the whole of Europe.

Amendment

If Europe is to match its competitors in research and innovation, it must entice more young women and men to embark on research careers and provide highly attractive opportunities and environments for research and innovation. The most talented individuals, from Europe and elsewhere, should see Europe as a pre-eminent place to work. ***Equal opportunities for men and women in research and innovation***, high-quality and reliable employment and working conditions plus recognition are crucial aspects that must be secured in a consistent way across the whole of Europe.

Or. en

Amendment 67
Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation
Annex I – part I – point 3.3 – point c – paragraph 2

Text proposed by the Commission

Key activities shall be to support short-term exchanges of research and innovation staff among a partnership of universities, research institutions, businesses, SMEs and other socio-economic groups, both within Europe and worldwide. This will include fostering cooperation with third countries.

Amendment

Key activities shall be to support short-term exchanges of research and innovation staff among a partnership of universities, research institutions, businesses, SMEs and other socio-economic groups, both within Europe and worldwide. This will include fostering cooperation with third countries, ***and, in particular, strengthening scientific partnerships between the Union and developing countries.***

Or. en

Amendment 68
Fiona Hall

Proposal for a regulation
Annex I – part I – point 4.3 – point c – subparagraph 3 (new)

Text proposed by the Commission

Amendment

Research Infrastructure partnerships with developing countries, for example as part of the joint Africa-EU Strategy, shall also be addressed.

Or. en

Amendment 69
Fiona Hall

Proposal for a regulation
Annex I – part II – point 1.6.2 – paragraph 1

Text proposed by the Commission

Amendment

Space is an important, but frequently invisible enabler of diverse services and products crucial to modern day society, such as navigation, communication, weather forecasts, and geographic information. Policy formulation and implementation at European, national and regional levels increasingly depend on space-derived information. The global space sector is rapidly growing and expanding into new regions (e.g. China, South America). European industry is at present a considerable exporter of first class satellites for commercial and scientific purposes. Increasing global competition is challenging Europe's position in this area. Thus Europe has an interest in ensuring that its industry continues to thrive in this fiercely competitive market In addition, data from European science satellites have resulted in

Space is an important, but frequently invisible enabler of diverse services and products crucial to modern day society, such as navigation, communication, weather forecasts, and geographic information. Policy formulation and implementation at European, national and regional levels increasingly depend on space-derived information. The global space sector is rapidly growing and expanding into new regions (e.g. ***Africa***, China, South America). European industry is at present a considerable exporter of first class satellites for commercial and scientific purposes. Increasing global competition is challenging Europe's position in this area. Thus Europe has an interest in ensuring that its industry continues to thrive in this fiercely competitive market In addition, data from European science satellites have resulted in

some of the most significant scientific breakthroughs in the last decades in Earth sciences and astronomy. With this unique capacity, the European space sector has a critical role to play in addressing the challenges identified by Europe 2020.

some of the most significant scientific breakthroughs in the last decades in Earth sciences and astronomy. With this unique capacity, the European space sector has a critical role to play in addressing the challenges identified by Europe 2020.

Or. en

Amendment 70

Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation

Annex I – part II – point 3.3 – point a – paragraph 1

Text proposed by the Commission

SMEs shall be supported across Horizon 2020. For this purpose a dedicated SME instrument shall provide staged and seamless support covering the whole innovation cycle. The SME instrument shall be targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalise. It shall be provided for all types of innovation, including service, non-technological and social innovations. The aim is to develop and capitalise on the innovation potential of SMEs by filling the gap in funding for early stage high risk research and innovation, stimulating innovations and increasing private-sector commercialisation of research results.

Amendment

SMEs shall be supported across Horizon 2020. For this purpose a dedicated SME instrument shall provide staged and seamless support covering the whole innovation cycle. The SME instrument shall be targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalise ***and which, when it comes to the opening-up of external markets, implement policies focused on corporate social responsibility, particularly if they are operating in developing countries.*** It shall be provided for all types of innovation, including service, non-technological and social innovations. The aim is to develop and capitalise on the innovation potential of SMEs by filling the gap in funding for early stage high risk research and innovation, stimulating innovations and increasing private-sector commercialisation of research results.

Or. it

Amendment 71

Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation

Annex I – part III – point 1.1 – paragraph 4

Text proposed by the Commission

Chronic conditions such as cardiovascular disease (CVD), cancer, diabetes, neurological and mental health disorders, overweight and obesity and various functional limitations are major causes of disability, ill-health and premature death, and present considerable social and economic costs.

Amendment

Chronic conditions such as cardiovascular disease (CVD), cancer, diabetes, neurological and mental health disorders, overweight and obesity and various functional limitations are major causes of disability, ill-health and premature death, and present considerable social and economic costs. ***Innovative models for funding and disseminating the results of research work, such as innovation awards, are of essential importance in addressing these societal challenges and enabling researchers in Europe and the rest of the world to play an active and effective part in doing so.***

Or. fr

Amendment 72

Bill Newton Dunn

Proposal for a regulation

Annex I – part III – point 1.1 – paragraph 6

Text proposed by the Commission

Infectious diseases (e.g. HIV/AIDS, tuberculosis and ***malaria***), are a global concern, accounting for 41% of the 1.5 billion disability adjusted life years worldwide, with 8% of these in Europe. Emerging epidemics and the threat of increasing anti-microbial resistance must also be prepared for.

Amendment

Infectious diseases (e.g. HIV/AIDS, tuberculosis, ***malaria*** and ***neglected diseases***), are a global concern, accounting for 41% of the 1.5 billion disability adjusted life years worldwide, with 8% of these in Europe. Emerging ***and re-emerging*** epidemics and the threat of increasing anti-microbial resistance must also be prepared for. ***The specific field of zoonoses requires attention here, in concert with other supported activities that focus on animal health.***

Or. en

Amendment 73
Filip Kaczmarek

Proposal for a regulation
Annex I – part III – point 1.1 – paragraph 6

Text proposed by the Commission

Infectious diseases (e.g. HIV/AIDS, tuberculosis and malaria), **are a global concern**, accounting for 41% of the 1.5 billion disability adjusted life years worldwide, with 8 % of these in Europe. Emerging epidemics and the threat of increasing anti-microbial resistance must also be prepared for.

Amendment

Infectious diseases (e.g. HIV/AIDS, tuberculosis and malaria), accounting for 41 % of the 1.5 billion disability adjusted life years worldwide, with 8% of these in Europe, **are a global concern, as well as non-communicable diseases such as cancer**. Emerging epidemics and the threat of increasing anti-microbial resistance must also be prepared for.

Or. en

Amendment 74
Eleni Theocharous

Proposal for a regulation
Annex I – part III – point 1.1 – paragraph 6

Text proposed by the Commission

Infectious diseases (e.g. HIV/AIDS, tuberculosis and **malaria**), are a global concern, accounting for 41% of the 1.5 billion disability adjusted life years worldwide, with 8% of these in Europe. Emerging epidemics and the threat of increasing anti-microbial resistance must also be prepared for.

Amendment

Infectious diseases (e.g. HIV/AIDS, tuberculosis, **malaria** and **poverty-related and neglected diseases**), are a global concern, accounting for 41% of the 1.5 billion disability adjusted life years worldwide, with 8% of these in Europe. Emerging epidemics and the threat of increasing anti-microbial resistance must also be prepared for.

Or. en

Amendment 75
Bill Newton Dunn

Proposal for a regulation

Annex I – part III – point 1.1 – paragraph 7

Text proposed by the Commission

Meanwhile, drug and vaccine development processes are becoming more expensive and less effective. Persistent health inequalities must be addressed, and access to effective and competent health systems must be ensured for all Europeans.

Amendment

Meanwhile, drug and vaccine development processes are becoming more expensive and less effective. Persistent health inequalities must be addressed, and access to effective and competent health systems must be ensured ***globally, in order to assure the best possible health*** for all Europeans.

Or. en

Amendment 76

Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation

Annex I – part III – point 1.2 – paragraph 1

Text proposed by the Commission

Disease and disability are not stopped by national borders. An appropriate European level research and innovation response can and should make a crucial contribution to addressing these challenges, deliver better health and wellbeing for all, and position Europe as a leader in the rapidly expanding global markets for health and wellbeing innovations.

Amendment

Disease and disability are not stopped by national borders. An appropriate European-level research and innovation response ***in partnership with third countries*** can and should make a crucial contribution to addressing these ***global*** challenges, ***thus helping to achieve the Millennium Development Goals and to*** deliver better health and well-being for all and ***to*** position Europe as a leader in the rapidly expanding global markets for health and well-being innovations.

Or. fr

Amendment 77

Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation

Annex I – part III – point 1.2 – paragraph 2

Text proposed by the Commission

The response depends on excellence in research to improve our fundamental understanding of health, disease, disability, development and ageing (including of life expectancy), and on the seamless and widespread translation of the resulting and existing knowledge into innovative, scalable **and** effective products, strategies, interventions and services. Furthermore, the pertinence of these challenges across Europe and in many cases, globally, demands a response characterised by long term and coordinated support for co-operation between excellent, multidisciplinary and multi-sector teams.

Amendment

The response depends on excellence in research to improve our fundamental understanding of health, disease, disability, development and ageing (including of life expectancy), and on the seamless and widespread translation of the resulting and existing knowledge into innovative, scalable, effective **and accessible** products, strategies, interventions and services. Furthermore, the pertinence of these challenges across Europe and in many cases, globally, demands a response characterised by long term and coordinated support for co-operation between excellent, multidisciplinary and multi-sector teams.

Or. fr

Amendment 78

Filip Kaczmarek

Proposal for a regulation

Annex I – part III – point 1.2 – paragraph 3

Text proposed by the Commission

Similarly, the complexity of the challenge and the interdependency of its components demand a European level response. Many approaches, tools and technologies have applicability across many of the research and innovation areas of this challenge and are best supported at Union level. These include the development of long term cohorts and the conduct of clinical trials, the clinical use of ‘-omics’ or the development of ICT and their applications in healthcare practice, notably e-health. The requirements of specific populations are also best addressed in an integrated manner, for example in the development of

Amendment

Similarly, the complexity of the challenge and the interdependency of its components demand a European level response. Many approaches, tools and technologies have applicability across many of the research and innovation areas of this challenge and are best supported at Union level. These include **international collaboration between researchers in order to acquire the necessary critical mass and expertise,** the development of long term cohorts and the conduct of clinical trials, the clinical use of ‘-omics’ or the development of ICT and their applications in healthcare practice, notably e-health. The

stratified and/or personalised medicine, in the treatment of rare diseases, and in providing assisted and independent living solutions.

requirements of specific populations are also best addressed in an integrated manner, for example in the development of stratified and/or personalised medicine, in the treatment of ***poverty-related, neglected and rare and non-communicable*** diseases, and in providing assisted and independent living solutions.

Or. en

Amendment 79
Eleni Theocharous

Proposal for a regulation
Annex I – part III – point 1.2 – paragraph 3

Text proposed by the Commission

Similarly, the complexity of the challenge and the interdependency of its components demand a European level response. Many approaches, tools and technologies have applicability across many of the research and innovation areas of this challenge and are best supported at Union level. These include the development of long term cohorts and the conduct of clinical trials, the clinical use of ‘-omics’ or the development of ICT and their applications in healthcare practice, notably e-health. The requirements of specific populations are also best addressed in an integrated manner, for example in the development of stratified and/or personalised medicine, in the treatment of rare diseases, and in providing assisted and independent living solutions.

Amendment

Similarly, the complexity of the challenge and the interdependency of its components demand a European level response. Many approaches, tools and technologies have applicability across many of the research and innovation areas of this challenge and are best supported at Union level. These include the development of long term cohorts and the conduct of clinical trials, the clinical use of ‘-omics’ or the development of ICT and their applications in healthcare practice, notably e-health. The requirements of specific populations are also best addressed in an integrated manner, for example in the development of stratified and/or personalised medicine, in the ***diagnosis, prevention and*** treatment of rare diseases, and in providing assisted and independent living solutions.

Or. en

Amendment 80
Eleni Theocharous

Proposal for a regulation

Annex I – part III – point 1.2 – paragraph 4

Text proposed by the Commission

To maximise the impact of Union level actions, support will be provided to the full spectrum of research and innovation activities. From basic research through translation of knowledge to large trials and demonstration actions, mobilising private investment; to public and pre-commercial procurement for new products, services, scalable solutions, which are when necessary, interoperable and supported by defined standards and/or common guidelines. This co-ordinated, European effort will contribute to the ongoing development of the ERA. It will also interface, as and when appropriate, with activities developed in the context of the Health for Growth Programme and the European Innovation Partnership on Active and Health Ageing.

Amendment

To maximise the impact of Union level actions **and create long-term benefits to its objectives**, support will be provided to the full spectrum of research and innovation activities. From basic research through translation of knowledge to large trials and demonstration actions, mobilising private investment; to public and pre-commercial procurement for new products, services, scalable solutions, which are when necessary, interoperable and supported by defined standards and/or common guidelines. This co-ordinated, European effort will contribute to the ongoing development of the ERA. It will also interface, as and when appropriate, with activities developed in the context of the Health for Growth Programme and the European Innovation Partnership on Active and Health Ageing.

Or. en

Amendment 81

Franziska Keller, Judith Sargentini, Catherine Grèze

Proposal for a regulation

Annex I – part III – point 1.3 – paragraph 5

Text proposed by the Commission

Specific activities shall include: understanding the determinants of health (including environmental and climate related factors), improving health promotion and disease prevention; understanding disease and improving diagnosis; developing effective screening programmes and improving the assessment of disease susceptibility; improving surveillance and preparedness; developing

Amendment

Specific activities shall include: understanding the determinants of health (including environmental and climate related factors), improving health promotion and disease prevention; understanding disease and improving diagnosis; developing effective screening programmes and improving the assessment of disease susceptibility; improving surveillance and preparedness; developing

better preventive vaccines; using in-silico medicine for improving disease management and prediction; treating disease; transferring knowledge to clinical practice and scalable innovation actions; better use of health data; active ageing, independent and assisted living; individual empowerment for self-management of health; promotion of integrated care; improving scientific tools and methods to support policy making and regulatory needs; and optimising the efficiency and effectiveness of healthcare systems and reducing inequalities by evidence based decision making and dissemination of best practice, and innovative technologies and approaches.

better preventive vaccines; using in-silico medicine for improving disease management and prediction; treating disease; transferring knowledge to clinical practice and scalable innovation actions; better use of health data; active ageing, independent and assisted living; individual empowerment for self-management of health; promotion of integrated care; improving scientific tools and methods to support policy making and regulatory needs; and optimising the efficiency and effectiveness of healthcare systems and reducing inequalities by evidence based decision making and dissemination of best practice, and innovative technologies and approaches, ***in particular in relation to funding research and disseminating research results in order to share knowledge that will facilitate and speed up innovation in these areas.***

Or. fr

Amendment 82
Filip Kaczmarek

Proposal for a regulation
Annex I – part III – point 2.1 – paragraph 2

Text proposed by the Commission

Over the coming decades, Europe will be challenged by increased competition for limited and finite natural resources, by the effects of climate change, in particular on primary production systems (agriculture, forestry, fisheries and aquaculture) and by the need to provide a sustainable, safe and secure food supply for the European and an increasing global population. A 70% increase of the world food supply is estimated to be required to feed the 9 billion global population by 2050. Agriculture accounts for about 10% of Union greenhouse gases emissions, and

Amendment

Over the coming decades, Europe will be challenged by increased competition for limited and finite natural resources, by the effects of climate change, in particular on primary production systems (agriculture, forestry, fisheries and aquaculture) and by the need to provide a sustainable, safe and secure food supply for the European and an increasing global population. A 70% increase of the world food supply is estimated to be required to feed the 9 billion global population by 2050. Agriculture accounts for about 10% of Union greenhouse gases emissions, and

while declining in Europe, global emissions from agriculture are projected to increase up to 20% by 2030. Furthermore, Europe will need to ensure sufficient supplies of raw materials, energy and industrial products, under conditions of decreasing fossil carbon resources (oil and liquid gas production expected to decrease by about 60% by 2050), while maintaining its competitiveness. Bio-waste (estimated at up to 138 million tonnes per year in the Union, of which up to 40% is land-filled) represents a huge problem and cost, despite its high potential added value. For example, an estimated 30% of all food produced in developed countries is discarded. Major changes are needed to reduce this amount by 50% in the Union by 2030. In addition, national borders are irrelevant in the spread of animal and plant pests and diseases, including zoonotic diseases, and food borne pathogens. While effective national prevention measures are needed, action at Union level is essential for ultimate control and the effective running of the single market. The challenge is complex, affects a broad range of interconnected sectors and requires a plurality of approaches.

while declining in Europe, global emissions from agriculture are projected to increase up to 20% by 2030. Furthermore, Europe will need to ensure **sustainable and** sufficient supplies of raw materials, energy and industrial products, under conditions of decreasing fossil carbon resources (oil and liquid gas production expected to decrease by about 60% by 2050), while maintaining its competitiveness. Bio-waste (estimated at up to 138 million tonnes per year in the Union, of which up to 40% is land-filled) represents a huge problem and cost, despite its high potential added value. For example, an estimated 30% of all food produced in developed countries is discarded. Major changes are needed to reduce this amount by 50% in the Union by 2030. In addition, national borders are irrelevant in the spread of animal and plant pests and diseases, including zoonotic diseases, and food borne pathogens. While effective national prevention measures are needed, action at Union level is essential for ultimate control and the effective running of the single market. The challenge is complex, affects a broad range of interconnected sectors and requires a plurality of approaches.

Or. en

Amendment 83

Filip Kaczmarek

Proposal for a regulation

Annex I – part III – point 2.2 – paragraph 3

Text proposed by the Commission

Research and innovation will interface with a wide spectrum of Union policies and related targets, including the Common Agriculture Policy (in particular the Rural Development Policy) and the European Innovation Partnership ‘Agricultural

Amendment

Research and innovation will interface with a wide spectrum of Union policies and related targets, including the Common Agriculture Policy (in particular the Rural Development Policy) and the European Innovation Partnership ‘Agricultural

Productivity and Sustainability', the Common Fisheries Policy, the Integrated Maritime Policy, the European Climate Change Programme, the Water Framework Directive, the Marine Strategy Framework Directive, the Forestry Action Plan, the Soil Thematic Strategy, the Union's 2020 Biodiversity Strategy, the Strategic Energy Technology Plan, the Union's innovation and industrial policies, external and development aid policies, plant health strategies, animal health and welfare strategies and regulatory frameworks to protect the environment, health and safety, to promote resource efficiency and climate action, and to reduce waste. A better integration of research **and** innovation into related Union policies will significantly improve their **European** added value, provide leverage effects, increase societal relevance and help to further develop sustainable land, seas and oceans management and bio-economy markets.

Productivity and Sustainability', the Common Fisheries Policy, the Integrated Maritime Policy, the European Climate Change Programme, the Water Framework Directive, the Marine Strategy Framework Directive, the Forestry Action Plan, the Soil Thematic Strategy, the Union's 2020 Biodiversity Strategy, the Strategic Energy Technology Plan, the Union's innovation and industrial policies, external and development aid policies, **internationally agreed commitments on global food security, biodiversity and sustainable development**, plant health strategies, animal health and welfare strategies and regulatory frameworks to protect the environment, health and safety, to promote resource efficiency and climate action, and to reduce waste. A better integration of **the full cycle from basic research to** innovation into related Union policies will significantly improve their added value, provide leverage effects, increase societal relevance, **provide healthy food products** and help to further develop sustainable land, seas and oceans management and bio-economy markets.

Or. en

Amendment 84 **Bill Newton Dunn**

Proposal for a regulation **Annex I – part III – point 2.3 – point a – paragraph 1**

Text proposed by the Commission

The aim is to **supply** sufficient food, feed, biomass and other raw-materials, while safeguarding natural resources and enhancing ecosystems services, including coping with and mitigating climate change. The activities shall focus on more sustainable and productive agriculture and forestry systems which are both resource-

Amendment

The aim is to **ensure a** sufficient **global supply of** food, feed, biomass and other raw-materials, while safeguarding natural resources and enhancing ecosystems services, including coping with and mitigating climate change. The activities shall focus on more sustainable and productive agriculture and forestry systems

efficient (including low-carbon) and resilient, while at the same time developing of services, concepts and policies for thriving rural livelihoods.

globally which are both resource-efficient (including low-carbon) and resilient, while at the same time developing of services, concepts and policies for thriving rural livelihoods. ***Attention shall be paid to the health and management of livestock, including vaccines and treatments for diseases, including tropical diseases.***

Or. en

Amendment 85

Patrizia Toia, Ricardo Cortés Lastra

Proposal for a regulation

Annex I – part III – point 2.3 – point a – paragraph 1

Text proposed by the Commission

The aim is to supply sufficient food, feed, biomass and other raw-materials, while safeguarding natural resources and enhancing ecosystems services, including coping with and mitigating climate change. The activities shall focus on more sustainable and productive agriculture and forestry systems which are both resource-efficient (including low-carbon) and resilient, while at the same time developing of services, concepts and policies for thriving rural livelihoods.

Amendment

The aim is to supply sufficient food, feed, biomass and other raw-materials, while safeguarding natural resources ***both inside and outside the European Union*** and enhancing ecosystems services, including coping with and mitigating climate change ***and land grabbing in developing countries***. The activities shall focus on more sustainable and productive agriculture and forestry systems which are both resource-efficient (including low-carbon) and resilient, while at the same time developing of services, concepts and policies for thriving rural livelihoods.

Or. it