



**2015/2225(INI)**

2.2.2016

# **AMENDMENTS**

## **1 - 304**

**Draft report**

**Anthea McIntyre**

(PE571.716v01-00)

Technological solutions for sustainable agriculture in the EU  
(2015/2225(INI))



**Amendment 1**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Citation -1 (new)**

*Motion for a resolution*

*Amendment*

**-1 having regard to the TFEU<sup>1a</sup>, Art. 11,  
Art. 114(3), Art. 168(1) and Art.191;**

<sup>1a</sup> *OJ C 326, 26.10.2012, p. 47–390*

Or. en

**Amendment 2**  
**Ricardo Serrão Santos, Eric Andrieu, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Citation 2 a (new)**

*Motion for a resolution*

*Amendment*

**- having regard to Regulation (EU)  
1305/2013 of the European Parliament  
and the Council of 17 December 2013 on  
support for rural development by the  
European Agricultural Fund for Rural  
Development (EAFRD) and repealing  
Council Regulation (EC) No 1698/2005<sup>1a</sup>  
;**

<sup>1a</sup> *OJ L 347, 20.12.2013, p. 487*

Or. en

**Amendment 3**  
**Ricardo Serrão Santos, Eric Andrieu, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Citation 2 b (new)**

*Motion for a resolution*

*Amendment*

**- having regard to Directive 2001/18/EC of the European Parliament and of the Council of 12 March 2001 on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC<sup>1a</sup> ;**

<sup>1a</sup> OJ L 106 , 17.04.2001, p. 0001

Or. en

**Amendment 4**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Citation 6 a (new)**

*Motion for a resolution*

*Amendment*

**- having regard to Directive 2001/18/EC of the European Parliament and of the Council on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC<sup>6a</sup>;**

<sup>6a</sup> OJ L 106 , 17/04/2001 P. 0001 - 0039

Or. en

**Amendment 5**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Citation 8 a (new)**

*Motion for a resolution*

*Amendment*

**- having regard to the UN's International Assessment of Agricultural Knowledge, Science and Technology for Development of the FAO, GEF, UNDP, UNEP, UNESCO, the World Bank and WHO;**

**Amendment 6**  
**Mairead McGuinness**

**Motion for a resolution**  
**Citation 10 a (new)**

*Motion for a resolution*

*Amendment*

**- having regard to the 2013 study by Science and Technology Options Assessment (STOA) 'Technology options for feeding 10 billion people';**

Or. en

**Amendment 7**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Citation 14 a (new)**

*Motion for a resolution*

*Amendment*

**- having regard to the Scientific opinion<sup>8a</sup> addressing the safety assessment of plants developed through cisgenesis and intragenesis;**

<sup>8a</sup> *EFSA Journal 2012;10(2):2561 [33 pp.]*

Or. en

**Amendment 8**  
**Norbert Lins**

**Motion for a resolution**  
**Citation 16 a (new)**

*Motion for a resolution*

*Amendment*

**- having regard to its Motion for a**

*Resolution of 14 December 2015 on  
patents and plant breeders' rights  
(2015/2981(RSP ));*

Or. en

**Amendment 9**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Recital -A (new)**

*Motion for a resolution*

*Amendment*

*-A. whereas sustainable farming is environmentally friendly and climate-friendly and takes account of the needs of the natural world and individual species; whereas organic farming comes closest to this model;*

Or. de

**Amendment 10**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Recital -A a (new)**

*Motion for a resolution*

*Amendment*

*Aa. whereas intensive farming is one of the main sources of discharges of substances such as nitrogen, phosphorous, heavy metals and plant protection products and thus causes long-term damage to groundwater, the soil, the climate and biodiversity;*

Or. de

**Amendment 11**  
**Lidia Senra Rodríguez**

**Motion for a resolution**

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## Recital A

*Motion for a resolution*

*A. whereas the global population is expected to reach 9.6 billion by 2050, meaning there will be 2.4 billion extra people to feed;*

*Amendment*

*deleted*

Or. es

## Amendment 12

**Molly Scott Cato**

on behalf of the Verts/ALE Group

### Motion for a resolution

#### Recital A

*Motion for a resolution*

A. whereas the global population is *expected* to reach 9.6 billion by 2050, meaning there will be 2.4 billion extra people *to feed*;

*Amendment*

A. whereas the global population is *estimated* to reach 9.6 billion by 2050, meaning there will be *around* 2.4 billion extra people *than today*;

Or. en

## Amendment 13

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

### Motion for a resolution

#### Recital A

*Motion for a resolution*

A. whereas the global population *is expected to reach 9.6 billion by 2050, meaning there will be 2.4 billion extra people to feed*;

*Amendment*

A. whereas *our societies are facing multiple challenges in which agriculture is involved and must play its part. These challenges are:*

*the food challenge: worldwide food security must be ensured in terms of both quantity and quality (health and nutritional quality increasingly linked with health in order to deal with malnutrition, obesity, cardio-vascular disease, etc.);*

*the environmental challenge: we need to respond to the depletion and degradation of natural resources (land, water, air, biodiversity, natural mines, etc.) and to manage them better;*

*the climate challenge: global warming is generating extreme weather events that result in droughts or floods causing substantial damage to the population groups affected and posing severe risks for their food security;*

*the energy challenge: as fossil fuels run out we must give serious thought now to meeting our future energy needs by means of renewable energy sources and to improving our energy efficiency;*

Or. fr

**Amendment 14**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital A a (new)**

*Motion for a resolution*

*Amendment*

*A a. Whereas the EU's population is likely to remain stable;*

Or. en

**Amendment 15**  
**Luke Ming Flanagan**

**Motion for a resolution**  
**Recital B**

*Motion for a resolution*

*Amendment*

B. whereas global food production must increase by 60-110 % to meet this demand;

B. whereas global food production must increase by 60-110 % to meet this demand *and one of the most effective ways of meeting this anticipated demand while not depleting scarce resources is by*



*harnessing Technological solutions to tackle food waste, currently estimated to be in the region of 100 million tons within the EU and according to the FAO at around 33% globally;*

Or. en

**Amendment 16**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Recital B**

*Motion for a resolution*

B. whereas *global* food *production must increase by 60-110 % to meet this demand;*

*Amendment*

B. whereas *this demand can only be met if the food distribution problem is solved on a global basis and the problem of food wastage is addressed;*

Or. de

**Amendment 17**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital B**

*Motion for a resolution*

B. whereas *global* food production *must increase by 60-110 % to meet this demand;*

*Amendment*

B. whereas *the UN's Food and Agriculture Organisation (FAO) has estimated that the predicted rise in the world's population to 9 billion by 2050 would require increasing food production and supply by approximately 60 %, and whereas on average at least one third of the food produced is wasted, reaching nearly a half in some sectors;*

Or. en

**Amendment 18**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital B**

*Motion for a resolution*

B. whereas *global food production must increase by 60-110 % to meet this demand*;

*Amendment*

B. whereas *it must be guaranteed that farmers in each country are able to produce food for that country's population*;

Or. es

**Amendment 19**  
**Ricardo Serrão Santos, Eric Andrieu, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Recital B**

*Motion for a resolution*

B. whereas global food production must *increase by 60-110 %* to meet this demand;

*Amendment*

B. whereas global food production must *adapt* to meet this demand;

Or. en

**Amendment 20**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Recital B**

*Motion for a resolution*

B. whereas global food *production must* increase by 60-110 % to *meet* this *demand*;

*Amendment*

B. whereas global food *needs could* increase by 60-110 % *in response* to this *rise*;

Or. it

**Amendment 21**  
**Paul Brannen, Maria Noichl**

**Motion for a resolution**

**Recital B a (new)**

*Motion for a resolution*

*Amendment*

***B a. whereas the EU must reduce food waste in a decisive manner in order to help satisfy the needs of the growing world population;***

Or. en

**Amendment 22**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital C**

*Motion for a resolution*

*Amendment*

***C. whereas there is a pressing demand to produce more, as well as safe and nutritious, food for EU and global citizens;***

***deleted***

Or. en

**Amendment 23**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Recital C**

*Motion for a resolution*

*Amendment*

C. whereas there is a pressing demand to produce ***more, as well as safe*** and nutritious, food ***for EU and global citizens;***

C. whereas there is a pressing demand to produce ***safe, healthy*** and nutritious food;

Or. es

**Amendment 24**

**Michel Dantin, Angélique Delahaye**

## Motion for a resolution

### Recital C

#### *Motion for a resolution*

C. whereas there is a pressing demand to produce more, as well as safe and nutritious, food for EU and global citizens;

#### *Amendment*

C. whereas there is a pressing demand to produce more, as well as safe and nutritious, food for EU and global citizens ***by using natural resources more frugally;***

Or. fr

## Amendment 25

**Ricardo Serrão Santos, Eric Andrieu, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

## Motion for a resolution

### Recital C

#### *Motion for a resolution*

C. whereas there is a pressing demand to produce more, as well as safe and nutritious, food for EU and global citizens;

#### *Amendment*

C. whereas there is a pressing demand to produce more, as well as safe and nutritious, food for EU and global citizens, ***which must be reconciled with concerns over rapid degradation of natural resources;***

Or. en

## Amendment 26

**Marco Zullo, Rosa D'Amato**

## Motion for a resolution

### Recital C

#### *Motion for a resolution*

C. whereas there is a pressing demand to produce more, ***as well as*** safe and nutritious, food for EU and global citizens;

#### *Amendment*

C. whereas there is a pressing demand to produce more, safe and nutritious food for EU and global citizens;

Or. it

## Amendment 27

**Anthea McIntyre**

**Motion for a resolution**  
**Recital C a (new)**

*Motion for a resolution*

*Amendment*

*C a. whereas there are many alternatives for land use including urbanization, industry, tourism and recreation which compete with farming;*

Or. en

**Amendment 28**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital C a (new)**

*Motion for a resolution*

*Amendment*

*C a. whereas because short food chains are more resilient, the prevalent approaches to food security have evolved to rather empower different regions of the world to feed themselves;*

Or. en

**Amendment 29**  
**Michel Dantin, Angélique Delahaye**

**Motion for a resolution**  
**Recital C a (new)**

*Motion for a resolution*

*Amendment*

*Ca. whereas agricultural raw materials offer prospects for growth in green chemistry;*

Or. fr

**Amendment 30**

**Daniel Buda, Viorica Dăncilă**

**Motion for a resolution**  
**Recital C a (new)**

*Motion for a resolution*

*Amendment*

***Ca. whereas the EU's high food quality standards enjoy worldwide recognition;***

Or. ro

**Amendment 31**

**Ricardo Serrão Santos, Paolo De Castro, Tibor Szanyi, Nicola Caputo, Momchil Nekov**

**Motion for a resolution**  
**Recital C a (new)**

*Motion for a resolution*

*Amendment*

***C a. whereas sustainable agriculture requires the combination of environmental, social and economic criteria, for which technological solutions may be one important contributor;***

Or. en

**Amendment 32**  
**Anthea McIntyre**

**Motion for a resolution**  
**Recital C b (new)**

*Motion for a resolution*

*Amendment*

***C b. whereas farming encompasses a range of land management approaches including smallholdings, grazing and cultivation, fruit, tree or annual field and horticultural crops, and structures for animal housing or greenhouses;***

Or. en

**Amendment 33**  
**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

**Motion for a resolution**  
**Recital D**

*Motion for a resolution*

D. whereas agriculture accounts for 70 % of the world's fresh water use, and water availability is already a major limitation on agricultural production in some regions of the EU and globally;

*Amendment*

D. whereas agriculture accounts for 70 % of the world's fresh water use, and water availability is already a major limitation on agricultural production in some regions of the EU and globally, ***however, that market competitive pressure has shown that technical solutions alone will not alleviate the pressure on natural resources, it will merely increase the financial incentive to produce more;***

Or. en

**Amendment 34**  
**Paul Brannen, Maria Noichl**

**Motion for a resolution**  
**Recital D**

*Motion for a resolution*

D. whereas agriculture accounts for 70 % of the world's fresh water use, and water availability is already a major limitation on agricultural production in some regions of the EU and globally;

*Amendment*

D. whereas ***industrial*** agriculture accounts for 70 % of the world's fresh water use, and water availability is already a major limitation on agricultural production in some regions of the EU and globally;

Or. en

**Amendment 35**  
**Momchil Nekov, Ricardo Serrão Santos**

**Motion for a resolution**  
**Recital D**

*Motion for a resolution*

D. whereas agriculture accounts for 70 % of the world's fresh water use, and water

*Amendment*

D. whereas agriculture accounts for 70 % of the world's fresh water use, and water

availability is already a major limitation on agricultural production in some regions of the EU and globally;

availability *and the effective use of irrigation systems* is already a major limitation on agricultural production in some regions of the EU and globally;

Or. en

**Amendment 36**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Recital D a (new)**

*Motion for a resolution*

*Amendment*

*Da. whereas the use of drinking water in agriculture can be significantly reduced by employing modern irrigation techniques and growing crops suited to the local climate;*

Or. de

**Amendment 37**  
**Nicola Caputo, Clara Eugenia Aguilera García, Paolo De Castro, Ricardo Serrão Santos, Michela Giuffrida**

**Motion for a resolution**  
**Recital D a (new)**

*Motion for a resolution*

*Amendment*

*Da. whereas making farming more sustainable is becoming an ever more important objective for operators, given the need to control costs in order to safeguard incomes, on the one hand, and to enhance the protection of environmental resources, on the other;*

Or. it

**Amendment 38**  
**Ricardo Serrão Santos, Eric Andrieu, Nicola Caputo, Tibor Szanyi, Momchil Nekov**



**Motion for a resolution**  
**Recital D a (new)**

*Motion for a resolution*

*Amendment*

***D a. whereas agricultural practices impact on the biological, chemical and physical quality of soils, with consequences over soil erosion and fertility;***

Or. en

**Amendment 39**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital E**

*Motion for a resolution*

*Amendment*

***E. whereas nitrogen fertilisers drive high yields but their manufacture accounts for about 50 % of the fossil fuel energy consumed by agricultural production systems;***

***E. whereas the industrial model of agricultural production promoted by the common agricultural policy is highly dependent on energy based on fossil fuels, on imports of animal feedingstuffs and of pesticides and herbicides and on banks, and the solutions found up to now have made farms more and more dependent;***

Or. es

**Amendment 40**  
**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

**Motion for a resolution**  
**Recital F**

*Motion for a resolution*

*Amendment*

***F. whereas global energy demand is predicted to rise by 40 % by 2030;***

***F. whereas global energy demand is predicted to rise by 40 % by 2030 and research has shown that shorter agro-food chains can lead to reduced energy inputs with cost and environmental benefits;***

**Amendment 41**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Recital F**

*Motion for a resolution*

F. whereas *global* energy *demand is predicted* to rise by 40 % by 2030;

*Amendment*

F. whereas *if the increase in energy consumption were to continue at its current rate*, global energy demand *would* rise by 40% by 2030;

Or. it

**Amendment 42**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital F a (new)**

*Motion for a resolution*

*Fa. whereas peak oil has already been reached;*

*Amendment*

Or. es

**Amendment 43**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital F b (new)**

*Motion for a resolution*

*Fb. whereas, furthermore, this development in the production model has eliminated many direct jobs in agriculture as well as indirect jobs, and precision or smart farming in the form proposed will worsen this dependence and lead to even more job losses;*

*Amendment*

**Amendment 44**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital F c (new)**

*Motion for a resolution*

*Amendment*

***3c. whereas the serious problems affecting agriculture and rural communities and the impact that this industrial model is having on the environment can be reversed only by developing agroecological farming;***

Or. es

**Amendment 45**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital G**

*Motion for a resolution*

*Amendment*

G. whereas ***up to 40 % of global*** crop yields ***are lost to plant pests and diseases each year and this percentage is expected to increase significantly in the years ahead;***

G. whereas ***climate change is affecting*** crop yields ***and leading to the emergence of new plant pests and diseases;***

Or. es

**Amendment 46**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Recital G**

*Motion for a resolution*

*Amendment*

G. whereas up to 40 % of global crop yields are lost to plant pests and diseases each year and ***this percentage is expected***  
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G. whereas up to 40 % of global crop yields are lost to plant pests and diseases each year and ***steps must be taken to***

to *increase significantly in the years ahead*;

*prevent this figure from increasing any further*;

Or. de

#### **Amendment 47**

**Eric Andrieu, Jean-Paul Denanot**

#### **Motion for a resolution**

##### **Recital G**

###### *Motion for a resolution*

G. whereas *up to 40 % of global crop yields are lost* to plant pests and diseases *each year* and *this percentage is expected to increase significantly in the years ahead*;

###### *Amendment*

G. whereas, *as a result of intensive farming practices, we are seeing each year a loss of yields which may be due* to plant pests and diseases, *but also to many other factors, including those connected with the degradation of soil structure and quality and the lack of systemic approaches to production and appropriate adaptation of existing production models*;

Or. fr

#### **Amendment 48**

**Bronis Ropè**

#### **Motion for a resolution**

##### **Recital G**

###### *Motion for a resolution*

G. whereas up to 40 % of global crop yields are lost to plant pests and diseases each year *and this percentage is expected to increase significantly in the years ahead*;

###### *Amendment*

G. whereas up to 40 % of global crop yields are lost to plant pests and diseases each year, *while insufficient attention is being paid to looking for organic and environmentally sound forms of agriculture that can help combat plant pests and diseases in a manner which is sustainable and in harmony with nature*;

Or. It

#### **Amendment 49**

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**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital G a (new)**

*Motion for a resolution*

*Amendment*

*G a. whereas dominant losses of crop yield are mainly due to climatic factors, some of which may affect pest population dynamics; whereas pests are attracted to and become problematic in large expanses of monocultures, and continuous cropping builds up pest populations in the soil and vegetation year-on-year; whereas therefore climate resilience in biologically and structurally diverse agro-ecosystems is desperately needed to spread risk;*

Or. en

**Amendment 50**  
**Ricardo Serrão Santos, Clara Eugenia Aguilera García, Paolo De Castro, Eric Andrieu, Nicola Caputo, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Recital G a (new)**

*Motion for a resolution*

*Amendment*

*G a. whereas insufficient crop protection solutions for specialty crops endangers the quality, diversity and sustainable production of food crops in the EU, with serious consequences for employment and biodiversity loss, and a direct impact that has been estimated to account for more than €1 billion, including production loss and additional costs for farmers;*

Or. en

**Amendment 51**  
**Lidia Senra Rodríguez**

**Motion for a resolution**

**Recital H**

*Motion for a resolution*

*Amendment*

*H. whereas the EU's genetic crop potential is not being consistently realised on Europe's farms, where yields have plateaued in recent years;* *deleted*

Or. es

**Amendment 52**

**Philippe Loiseau, Laurențiu Rebega, Edouard Ferrand**

**Motion for a resolution**

**Recital H**

*Motion for a resolution*

*Amendment*

*H. whereas the EU's genetic crop potential is not being consistently realised on Europe's farms, where yields have plateaued in recent years;* *deleted*

Or. fr

**Amendment 53**

**Bronis Ropė**

**Motion for a resolution**

**Recital H**

*Motion for a resolution*

*Amendment*

*H. whereas the EU's genetic crop potential is not being consistently realised on Europe's farms, where yields have plateaued in recent years;* *deleted*

*deleted*

Or. lt

**Amendment 54**

**Anthea McIntyre**

**Motion for a resolution**  
**Recital H a (new)**

*Motion for a resolution*

*Amendment*

*H a. Whereas the European Parliament rejected the Commission's proposal to enable member states to prohibit the sale and use of GM feed, particularly in view of the fact that the livestock sector in the EU is heavily dependent on GM imports of vegetable proteins, mainly soya and soymeal for feeding cattle, pigs and poultry;*

Or. en

**Amendment 55**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital H a (new)**

*Motion for a resolution*

*Amendment*

*H a. whereas the EU faces a plateauing and drop-off in intrinsic productivity and fertility, caused by land degradation and loss of ecosystem functions such as topsoil formation, humification, pollination, water retention and nutrient cycling ;*

*whereas there is a broad consensus that to resolve this and maintain and improve productivity, there is a need to increase delivery of such ecosystem functions inter alia to ensure resilience against climate change;*

Or. en

**Amendment 56**  
**Ricardo Serrão Santos, Eric Andrieu, Nicola Caputo, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Recital H a (new)**

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**EN**

*Motion for a resolution*

*Amendment*

***H a. whereas the diversity and quality of plant genetic resources play a crucial role in agricultural resilience and productivity, thus being a determining factor for long-term farming as well as food security;***

Or. en

**Amendment 57**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital I**

*Motion for a resolution*

I. whereas closing the ‘yield gap’ poses a particular problem for the sustainable agriculture research agenda;

*Amendment*

I. whereas closing the ***EU's*** ‘yield gap’ poses a particular problem for the sustainable agriculture research agenda ***in the EU;***

Or. en

**Amendment 58**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Recital I**

*Motion for a resolution*

I. whereas ***closing the ‘yield gap’ poses a particular problem*** for ***the*** sustainable agriculture ***research agenda;***

*Amendment*

I. whereas ***there is a need for research into*** sustainable agriculture;

Or. es

**Amendment 59**

**Viorica Dăncilă**

**Motion for a resolution**

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## Recital I

### *Motion for a resolution*

I. whereas closing the ‘yield gap’ poses a particular problem for the sustainable agriculture research agenda;

### *Amendment*

I. whereas closing the ‘yield gap’ poses a particular problem for the sustainable agriculture research agenda, ***and whereas a lack of interest can be seen among producers, along with a lack of training in sustainable agricultural practices;***

Or. ro

## Amendment 60

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

### **Motion for a resolution**

#### **Recital I a (new)**

### *Motion for a resolution*

### *Amendment*

***Ia. whereas technological solutions must be used to enhance an agricultural development model and a sustainable common agricultural policy that combines economic, environmental and social performance; whereas these solutions and alternatives exist to the current development model that now dominates in agriculture, and whereas they are based on technological change and changes in production models informed by agro-ecology (conservation farming, organic farming, integrated farming, agro-forestry, etc.); whereas these technological innovations must be strengthened to allow the development of the agricultural resources of all territories and must be accessible to all farmers;***

Or. fr

## Amendment 61

**Lidia Senra Rodríguez**

### **Motion for a resolution**

#### **Recital J**

*Motion for a resolution*

*Amendment*

***J. whereas precision farming involves the use of automation and other technologies to improve the precision and efficiency of key agricultural management practices, using systems-based approaches to collect and analyse data and optimise interactions between the weather, soil, water and crops, and is ultimately designed to lower pesticide, fertiliser and water usage whilst improving soil fertility and optimising yields;***

***deleted***

Or. es

**Amendment 62**

**Philippe Loiseau, Laurențiu Rebege, Edouard Ferrand**

**Motion for a resolution**

**Recital J**

*Motion for a resolution*

*Amendment*

J. whereas ***precision farming involves*** the use of automation and other technologies to improve the precision and efficiency of key agricultural management practices, using systems-based approaches to collect and analyse data and optimise interactions between the weather, soil, water and crops, and is ultimately designed to lower pesticide, fertiliser and water usage whilst improving soil fertility and optimising yields;

J. whereas the use of automation and other technologies ***is one of the ways*** to improve the precision and efficiency of key agricultural management practices, using systems-based approaches to collect and analyse data and optimise interactions between the weather, soil, water and crops, and is ultimately designed to lower pesticide, fertiliser and water usage whilst improving soil fertility and optimising yields;

Or. fr

**Amendment 63**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

**Recital J**

*Motion for a resolution*

*Amendment*

J. whereas precision farming involves the use of automation and other technologies to improve the precision and efficiency of key agricultural management practices, using systems-based approaches to collect and analyse data and optimise interactions between the weather, soil, water and crops, and is ultimately designed to lower pesticide, fertiliser and water usage *whilst improving soil fertility and optimising yields*;

J. whereas precision farming involves the use of automation and other technologies to improve the precision and efficiency of key agricultural management practices, using systems-based approaches to collect and analyse data and optimise interactions between the weather, soil, water and crops, and is ultimately designed to lower pesticide, fertiliser and water usage; *whereas these reductions in inputs must be part of a broader, more comprehensive readjustment of agricultural systems adapted to each ecosystem and each production region*;

Or. fr

**Amendment 64**  
**Anthea McIntyre**

**Motion for a resolution**  
**Recital J a (new)**

*Motion for a resolution*

*Amendment*

*J a. whereas the benefits of innovative technologies should not be restricted to one type of agricultural practice and need to be applicable to all farming types, whether conventional or organic, livestock or arable, small or large-scale;*

Or. en

**Amendment 65**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital J a (new)**

*Motion for a resolution*

*Amendment*

*J a. whereas precision farming may be an alternative to conventional herbicide application, yet it assumes a rather inert soil or highly impoverished communities*

*of interacting species, or extreme stability and uniformity especially in crops; whereas an agro-ecological approach is based on a living soil, high species diversity and natural self-regulating processes that are able to buffer against and adapt to variations, meaning a healthy biodiverse agro-ecosystem is able to absorb shocks such as climatic volatility or nutrient fluctuations or growth of pest populations;*

Or. en

**Amendment 66**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Recital K**

*Motion for a resolution*

*Amendment*

*K. whereas the approvals process, including the criteria for defining active substances, is becoming increasingly challenging for EU agriculture;*

*deleted*

Or. es

**Amendment 67**  
**Anthea McIntyre**

**Motion for a resolution**  
**Recital K**

*Motion for a resolution*

*Amendment*

K. whereas the approvals process, including the *criteria for defining* active substances, is becoming increasingly challenging for EU agriculture;

K. whereas the approvals process, including the *approval of plant protection* active substances, is becoming increasingly challenging for EU agriculture;

Or. en

**Amendment 68**

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28/132

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**Motion for a resolution**

**Recital K**

*Motion for a resolution*

K. whereas the approvals process, including the criteria for defining active substances, is becoming increasingly challenging for EU agriculture;

*Amendment*

K. whereas the approvals process, including the criteria for defining ***new and existing*** active substances, is becoming increasingly challenging for EU agriculture, ***due in part to the lack of standard assessment criteria throughout the EU and the excessive administrative burden, both at EU level and at internal level in the individual Member States;***

Or. es

**Amendment 69**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital K**

*Motion for a resolution*

K. whereas the ***approvals process, including the criteria for defining active substances, is becoming increasingly challenging for EU agriculture;***

*Amendment*

K. whereas the ***intensive, input-dependent agricultural model is becoming increasingly challenging, considering that the approvals process for pesticide active ingredients and products needs to ensure human, animal and environmental health;***

Or. en

**Amendment 70**

**Paul Brannen, Maria Noichl**

**Motion for a resolution**

**Recital K**

*Motion for a resolution*

K. whereas the approvals process,

*Amendment*

K. whereas the approvals process,

including the criteria for defining active substances, *is becoming increasingly challenging for EU agriculture*;

including the criteria for defining active substances, *requires careful scientific assessment, including of their possible environmental impacts*;

Or. en

**Amendment 71**  
**Bronis Ropé**

**Motion for a resolution**  
**Recital K**

*Motion for a resolution*

K. whereas the approvals process, including the criteria for defining *active substances*, *is becoming increasingly challenging for EU agriculture*;

*Amendment*

K. whereas *it is crucial to continue ensuring the transparency of the approvals process in the EU*, including the criteria for defining *safe quantities of active substances*;

Or. It

**Amendment 72**  
**Esther Herranz García, Pilar Ayuso, Ramón Luis Valcárcel Siso, Anthea McIntyre**

**Motion for a resolution**  
**Recital K**

*Motion for a resolution*

K. whereas the approvals process, including the criteria for defining active substances, is becoming increasingly challenging for EU agriculture;

*Amendment*

K. whereas the *number of pesticide active substances has been reduced by 70 percent between 1993 and 2009 while the presence of plagues have increased in the European Union, and the approvals process, including the criteria for defining active substances, is becoming increasingly challenging for EU agriculture ; given the need to urgently address the lack of active substances for « minor uses »*;

Or. en

**Amendment 73**

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**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

**Recital K**

*Motion for a resolution*

K. whereas the approvals process, including the criteria for defining active substances, is becoming increasingly challenging for EU agriculture;

*Amendment*

K. whereas the approvals process, including the criteria for defining active substances ***and for new substances constituting an alternative to plant protection products***, is becoming increasingly challenging for EU agriculture ***and citizens***;

Or. fr

**Amendment 74**

**Eric Andrieu, Jean-Paul Denanot**

**Motion for a resolution**

**Recital L**

*Motion for a resolution*

L. whereas short-term cycles in policy and research funding priorities can be detrimental to skills, infrastructure and innovation in agriculture;

*Amendment*

L. whereas short-term cycles in policy and research funding priorities can be detrimental to skills, infrastructure and innovation in agriculture; ***whereas priority should be given to all research programmes focused on improving the sustainability of agricultural development***;

Or. fr

**Amendment 75**

**Michel Dantin, Angélique Delahaye**

**Motion for a resolution**

**Recital L a (new)**

*Motion for a resolution*

*Amendment*

***La. whereas technological solutions should make it possible to reduce production costs and increase***

*competitiveness;*

Or. fr

**Amendment 76**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital L a (new)**

*Motion for a resolution*

*Amendment*

*L a. whereas organic farming and other agro-ecological approaches represent a fusion of longstanding successful techniques with innovative ones, based on living, self-regenerating and self-strengthening biologically diverse systems;*

Or. en

**Amendment 77**  
**Ricardo Serrão Santos, Paolo De Castro, Clara Eugenia Aguilera García, Eric Andrieu, Nicola Caputo, Jean-Paul Denanot, Tibor Szanyi, Momchil Nekov**

**Motion for a resolution**  
**Recital L a (new)**

*Motion for a resolution*

*Amendment*

*L a. whereas it is urgent to guarantee the efficient transfer of research findings from science to farmers;*

Or. en

**Amendment 78**  
**John Stuart Agnew**

**Motion for a resolution**  
**Recital L a (new)**



*Motion for a resolution*

*Amendment*

***L a. whereas there is a pressing need both to reduce the regulatory burden on farming and to respect the sovereign rights of the Member States, such that additional regulation promoting technical solutions should be avoided at all costs;***

Or. en

**Amendment 79**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital L b (new)**

*Motion for a resolution*

*Amendment*

***L b. whereas soil science shows us that healthy, living soils nurture and protect crops via beneficial species that defend against pathogens and pests and also provide plant crops with nutrients and water in exchange for sugars in plant root exudates;***

***whereas biodiverse agro-ecosystems provide natural predators that regulate populations of plant pests;***

Or. en

**Amendment 80**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital L c (new)**

*Motion for a resolution*

*Amendment*

***L c. whereas synthetic fertilisers will cause a growth response if applied to degraded soils in poor health; in a healthy living soil that is already optimally cycling its own nutrients, no growth response is***

*elicited upon artificial fertilisation;  
whereas synthetic fertilisers, as salts, have  
an effect on soil microorganisms, notably  
inhibiting soil-bound nitrogen-fixing  
bacteria;*

Or. en

**Amendment 81**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Recital L d (new)**

*Motion for a resolution*

*Amendment*

*L d. whereas most of the applied synthetic  
fertiliser is lost via water, causing  
pollution via eutrophication of freshwater  
bodies and triggering toxic algal blooms  
in seawater, which impact coastal  
economies via fishkills;*

Or. en

**Amendment 82**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Subheading 1**

*Motion for a resolution*

*Amendment*

*Precision Farming (PF)*

*Agroecological farming*

Or. es

**Amendment 83**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph -1 (new)**

*Motion for a resolution*

*Amendment*

***-1. Notes that low technology techniques may be less capital intensive in the short and long term, more established, less risky, more reliable and achieve the same goals with less resources than high technology ones; given the high indebtedness and precarious market situation among farmers, where costs of production sometimes do not even meet farmgate prices, lower tech effective solutions should be equally promoted and supported.***

Or. en

#### **Amendment 84**

**Norbert Lins**

#### **Motion for a resolution**

#### **Paragraph -1 (new)**

*Motion for a resolution*

*Amendment*

***-1. Encourages the uptake of precision agriculture that provides new whole-farm management approaches, such as GPS/GNSS-technology driven machinery which, in combination with Remotely Piloted Aircraft Systems (RPASs), can work arable land to the nearest centimetre; agrees that these techniques could significantly reduce both the use of plant protection products and fertiliser and water use, and combat soil erosion; calls on the Commission and Member States to remove the barriers to adopting precision farming, in particular those linked to complex and fragmented ICT systems investment level issues, costs and training for their implementation; encourages Member States to support these practices, in particular by using the opportunities under the new rural development rules under Regulation (EU) No 1305/2013; encourages the Commission to quantify environmental and production benefit and to ensure***

*awareness, knowledge and technology transfers;*

Or. en

**Amendment 85**  
**Norbert Lins**

**Motion for a resolution**  
**Paragraph -1 (new)**

*Motion for a resolution*

*Amendment*

*-1. Notes that agriculture sector has always developed and used new farm business models and practices including new techniques and production methods that have increased outputs and improved the adaptability of farming practices to new and changing circumstances; notes further that agriculture is a key part of our natural world which thus provides services – such as ecosystem services, for example nutrients cycling or carbon sequestration, that go beyond producing food and can be enhanced by fostering new developments; is convinced that innovation is a prerequisite for maintaining this progress;*

Or. en

**Amendment 86**  
**Norbert Lins**

**Motion for a resolution**  
**Paragraph -1 (new)**

*Motion for a resolution*

*Amendment*

*-1. Is convinced that economic development and sustainable production are not mutually exclusive and are achievable through innovation; stresses the need to support innovation in technology and governance by providing regulatory coherence, clarity and room*

*for entrepreneurship, and urges the European Commission to ensure that innovation is explicitly taken into account in forthcoming reviews and reforms of relevant legislation; highlights the fact that European agriculture is able to produce high-quality and high-added value products together with profitable, knowledge-based solutions in order to feed a growing and more demanding world population;*

Or. fr

**Amendment 87**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 1**

*Motion for a resolution*

1. Considers **PF** to be essential for achieving sustainable agriculture in the EU **but recognises the constraints for its widespread adoption, including the reliability and manageability of this technology and its adaptability to smaller and irregular farmland areas;**

*Amendment*

1. Considers **agroecological farming** to be essential for achieving sustainable agriculture in the EU;

Or. es

**Amendment 88**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Paragraph 1**

*Motion for a resolution*

1. **Considers PF to be essential for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability and manageability of this technology and its adaptability to smaller and irregular farmland areas;**

*Amendment*

1. **Takes the view that in certain cases PF can contribute to sustainable farming in the EU;**

**Amendment 89**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

**Paragraph 1**

*Motion for a resolution*

1. Considers PF to be essential for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability and manageability of this technology and its adaptability to *smaller* and *irregular farmland areas*;

*Amendment*

1. Considers PF to be essential for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability and manageability of this technology and its adaptability to *all farm types, whatever their size and production, whether crop and/or animal farming*;

Or. fr

**Amendment 90**

**Annie Schreijer-Pierik**

**Motion for a resolution**

**Paragraph 1**

*Motion for a resolution*

1. Considers PF to be *essential* for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability and *manageability* of this technology and its adaptability to smaller and irregular farmland areas;

*Amendment*

1. Considers PF to be *important* for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability, *manageability* and *limited knowledge* of this technology and its adaptability to smaller and irregular farmland areas;

Or. nl

**Amendment 91**

**Norbert Lins, Albert Deß**

**Motion for a resolution**

**Paragraph 1**

*Motion for a resolution*

1. Considers PF to be essential for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability and manageability of this technology and its adaptability to smaller and irregular farmland areas;

*Amendment*

1. Considers PF to be essential for achieving sustainable agriculture in the EU but recognises the constraints for its widespread adoption, including the reliability and manageability of this technology and its adaptability to smaller and irregular farmland areas; ***thus encourages the European Commission to develop policies to stimulate the uptake of precision farming technologies for farms of all sizes to make use of the full potential of these technologies;***

Or. en

**Amendment 92**

**Nicola Caputo, Clara Eugenia Aguilera García, Paolo De Castro, Michela Giuffrida**

**Motion for a resolution**

**Paragraph 1 – subparagraph 1 (new)**

*Motion for a resolution*

*Amendment*

***Takes the view that, if applied to conventional farming, the principles underpinning PF can generate significant benefits for the environment, increase farmers' incomes and rationalise the use of agricultural machinery;***

Or. it

**Amendment 93**

**Peter Jahr, Albert Deß, Norbert Lins**

**Motion for a resolution**

**Paragraph 1 – subparagraph 1 (new)**

*Motion for a resolution*

*Amendment*

***Emphasises that PF contributes to resource-efficient agriculture and should therefore be made available to all holdings, irrespective of their size;***

**Amendment 94**

**Nicola Caputo, Paolo De Castro, Ricardo Serrão Santos, Michela Giuffrida**

**Motion for a resolution**

**Paragraph 1 a (new)**

*Motion for a resolution*

*Amendment*

***1a. Emphasises that precision irrigation can rationalise the use of water for irrigation, generating a 20% saving by comparison with traditional methods, and make irrigation significantly more efficient;***

Or. it

**Amendment 95**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Paragraph 2**

*Motion for a resolution*

*Amendment*

2. Highlights the particular need for the innovation process in ***PF*** to ***solve the problem of ‘high cost’ in the development and use of some PF technologies and*** for farmers to be actively involved in the development of ***these technologies*** to ensure ***clear benefits at farm level;***

2. Highlights the particular need for the innovation process in ***agroecological farming*** to ***help solve employment problems, reduce oil dependency and reverse climate change; likewise highlights the need*** for farmers to be actively involved in the development of ***this type of farming*** to ensure ***that farms become less dependent and receive remunerative prices;***

Or. es

**Amendment 96**

**John Stuart Agnew**

**Motion for a resolution**

**Paragraph 2**



*Motion for a resolution*

2. Highlights the particular need for the innovation process in PF to solve the problem of 'high cost' in the development and use of some PF technologies and for **farmers** to be actively involved in the development of these technologies to ensure clear benefits at farm level;

*Amendment*

2. Highlights the particular need for the innovation process in PF to solve the problem of 'high cost' in the development and use of some PF technologies and for **the supply chain** to be actively involved in the development of these technologies to ensure clear benefits at farm level;

Or. en

**Amendment 97**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Paragraph 3**

*Motion for a resolution*

3. Calls on **industry**, the Commission and the Member States to work in partnership to **improve the performance and adaptability of robotic and other PF techniques** in order to **increase demand and investment by farmers**;

*Amendment*

3. Calls on the Commission and the Member States to work in partnership to **forge ahead with techniques that will make it possible to develop agroecology** in order to **promote a change in the production model**;

Or. es

**Amendment 98**

**Maria Noichl, Paul Brannen**

**Motion for a resolution**

**Paragraph 3**

*Motion for a resolution*

3. Calls on industry, the Commission and the Member States to work in partnership to improve the performance and adaptability of robotic and other PF techniques **in order to increase demand and investment by farmers**;

*Amendment*

3. Calls on industry, the Commission and the Member States to work in partnership to improve the performance and adaptability of robotic and other PF techniques;

Or. de

**Amendment 99**  
**Annie Schreijer-Pierik**

**Motion for a resolution**  
**Paragraph 3**

*Motion for a resolution*

3. Calls on industry, the Commission and the Member States to work in partnership to improve the performance and adaptability of robotic and other PF techniques in order to increase demand and investment by farmers;

*Amendment*

3. Calls on industry, the Commission and the Member States to work in partnership to improve the performance and adaptability of robotic and other PF techniques in order to increase demand and investment by farmers ***and in order for research funding to be used effectively in the interests of agriculture and horticulture;***

Or. nl

**Amendment 100**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 3 a (new)**

*Motion for a resolution*

***3 a. Calls on industry to exploit the opportunities arising from innovation to develop PF capabilities which are accessible to all, thus empowering people with disabilities, promoting gender equality and broadening the skills base and employment opportunities in rural communities;***

*Amendment*

Or. en

**Amendment 101**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 4**

*Motion for a resolution*

*Amendment*

**4. Welcomes the inclusion of PF robotics in the newly published Horizon 2020 work programme for 2016-2017 but regrets that proposals under this call do not require a multi-actor approach and thus will not access innovative approaches developed by farmers;**

*deleted*

Or. es

**Amendment 102**

**Michel Dantin, Angélique Delahaye**

**Motion for a resolution**

**Paragraph 4**

*Motion for a resolution*

*Amendment*

4. Welcomes the inclusion of PF robotics in the newly published Horizon 2020 work programme for 2016-2017 **but regrets that proposals under this call do not require a multi-actor approach and thus will not access innovative approaches developed by farmers;**

4. Welcomes the inclusion of PF robotics in the newly published Horizon 2020 work programme for 2016-2017;

Or. fr

**Amendment 103**

**Peter Jahr, Albert Deß**

**Motion for a resolution**

**Paragraph 4 – subparagraph 1 (new)**

*Motion for a resolution*

*Amendment*

***emphasises that PF cuts resource use by at least 15%;***

Or. de

**Amendment 104**

**Nicola Caputo, Clara Eugenia Aguilera García, Paolo De Castro, Ricardo Serrão Santos, Michela Giuffrida**

**Motion for a resolution**  
**Paragraph 4 a (new)**

*Motion for a resolution*

*Amendment*

***4a. Welcomes the progress made by the European Space Agency (ESA) in developing PF; takes the view that the ESA's Sentinel 2B satellite, which is to be placed in orbit in late 2016, will give a very clear picture of the amount of land taken up by crops and forests, with the result that agricultural policies can be monitored and implemented more effectively, the use of water and fertilisers can be rationalised and optimum harvesting periods can be identified; calls on the Commission and the Member States to support the use of satellite-based systems which can, in the context of farming, optimise the use of resources, reduce energy costs and facilitate the work of farmers, while increasing productivity and generating benefits for the environment;***

Or. it

**Amendment 105**  
**Anthea McIntyre**

**Motion for a resolution**  
**Subheading 2**

*Motion for a resolution*

*Amendment*

***Big data and informatics***

***PF technologies and their contribution to soil water and nutrient management***

Or. en

**Amendment 106**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 5**

*Motion for a resolution*

5. Emphasises that the collation and analysis of large integrated data sets has the potential to drive innovation in agriculture and is particularly useful in addressing and developing an efficient food-chain that will benefit farmers, the economy and *consumers*;

*Amendment*

5. Emphasises that the collation and analysis of large integrated data sets has the potential to drive innovation in agriculture and is particularly useful in addressing and developing an efficient food-chain that will benefit farmers, the economy, *consumers and the environment*;

Or. en

**Amendment 107**  
**Daniel Buda**

**Motion for a resolution**  
**Paragraph 5**

*Motion for a resolution*

5. Emphasises that the collation and analysis of large integrated data sets has the potential to drive innovation in agriculture and is particularly useful in addressing and developing an efficient food-chain that will benefit farmers, the economy and consumers;

*Amendment*

5. Emphasises that the collation and analysis of large integrated data sets has the potential to drive innovation in agriculture and is particularly useful in addressing and developing an efficient food-chain that will benefit farmers, the economy and consumers; *stresses the need to centralise integrated data sets in a common database that is accessible to all stakeholders in agriculture*;

Or. ro

**Amendment 108**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Paragraph 5**

*Motion for a resolution*

5. Emphasises that the collation and analysis of large integrated data sets has

*Amendment*

5. Emphasises that the collation and analysis of large integrated data sets has

the potential to drive innovation in agriculture and is particularly useful in addressing and developing an efficient food-chain that will benefit farmers, the economy and consumers;

the potential to drive innovation in agriculture and is particularly useful in addressing and developing an efficient **and sustainable** food-chain that will benefit farmers, the economy and consumers;

Or. it

**Amendment 109**  
**Peter Jahr, Norbert Lins, Albert Deß**

**Motion for a resolution**  
**Paragraph 5 – subparagraph 1 (new)**

*Motion for a resolution*

*Amendment*

*Points out that the farming industry, like all other sectors of the economy, is undergoing a process of change; emphasises that modern farming was made possible only by the acceptance of scientific and technological progress and that digital 4.0 likewise offers the possibility of further development in the farming sector;*

Or. de

**Amendment 110**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 5 a (new)**

*Motion for a resolution*

*Amendment*

*5 a. Recognises soil degradation as a major constraint in agricultural production and calls for greater ambitions and efforts to improve soil nutrient and water management practices, particularly in light of climate change; highlights the importance of new technologies, combined with traditional approaches, to optimise yields, sustain and improve soil fertility;*

**Amendment 111**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 5 b (new)**

*Motion for a resolution*

*Amendment*

***5 b. Welcomes the development of Controlled Traffic Farming (CTF) technologies, which reduces damage to soils caused by repeated agricultural machinery passes on the land;***

Or. en

**Amendment 112**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 5 c (new)**

*Motion for a resolution*

*Amendment*

***5 c. Welcomes recent efforts aimed at integrating high resolution remote sensing technologies into organic farming;***

Or. en

**Amendment 113**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 5 d (new)**

*Motion for a resolution*

*Amendment*

***5 d. Calls on industry in the public research base to include farmers in the design, test and dissemination in soil nutrient mapping technologies to help***

*improve their effectiveness;*

Or. en

**Amendment 114**

**Anthea McIntyre**

**Motion for a resolution**

**Paragraph 5 e (new)**

*Motion for a resolution*

*Amendment*

***5 e. Regrets that the efficiency of nutrient use in the EU is very low and action is needed to improve the efficiency of nitrogen (N), phosphorous (P) and Potassium (K) use, to reduce their impact on the environment while improving food and energy production; calls for targeted research (and its applied use) on improving nutrient efficiency monitoring and the further optimisation of variable rate technologies;***

Or. en

**Amendment 115**

**Jasenko Selimovic**

**Motion for a resolution**

**Paragraph 6**

*Motion for a resolution*

*Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food; ***is therefore worried by the current administrative and regulatory burdens,***



*such as the difficulty in having a technique-based legislation instead of an outcome-based legislation, which leads to obsolete rules and major obstacles for the plant breeding sector;*

Or. en

## **Amendment 116**

**Lidia Senra Rodríguez**

### **Motion for a resolution**

#### **Paragraph 6**

##### *Motion for a resolution*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and **adaptation** strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

##### *Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and **mitigation** strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

Or. es

## **Amendment 117**

**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

### **Motion for a resolution**

#### **Paragraph 6**

##### *Motion for a resolution*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity,

##### *Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; **believes that the move to mono cultures and the lack of crop rotations is the biggest single factor in this loss;** considers all plant and

breeding programmes and the production of nutritious and sufficient food;

animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

Or. en

### **Amendment 118**

**Norbert Lins**

#### **Motion for a resolution**

##### **Paragraph 6**

###### *Motion for a resolution*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

###### *Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food; ***is of the view that EU regulation should enable farmers and breeders to make the best use of such genetic resources to safeguard biodiversity and innovation in developing new varieties, therefore EU regulations should always aim to not undermine such innovative processes by putting unnecessary administrative burden on breeders and farmers;***

Or. en

### **Amendment 119**

**Momchil Nekov, Ricardo Serrão Santos**

#### **Motion for a resolution**

##### **Paragraph 6**

###### *Motion for a resolution*

###### *Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild *and semi-wild* relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

Or. en

#### **Amendment 120**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

#### **Motion for a resolution**

##### **Paragraph 6**

###### *Motion for a resolution*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

###### *Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal varieties, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food *of sufficient (health and nutritional) quality and linked with health*;

Or. fr

#### **Amendment 121**

**Norbert Lins, Albert Deß**

#### **Motion for a resolution**

##### **Paragraph 6**

###### *Motion for a resolution*

###### *Amendment*

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant and animal *varieties*, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

6. Is of the view that the loss of genetic diversity over the past century threatens food/feed security and undermines EU policies on sustainable agriculture, biodiversity protection and adaptation strategies under climate change; considers all plant *varieties* and animal *species*, including landraces and their wild relatives, as essential for maintaining genetic diversity, breeding programmes and the production of nutritious and sufficient food;

Or. de

#### **Amendment 122**

**Michel Dantin, Angélique Delahaye**

#### **Motion for a resolution**

#### **Paragraph 6 a (new)**

*Motion for a resolution*

*Amendment*

***6a. stresses the importance for the European Union of promoting the storage and conservation of old or pioneer varieties for the preservation of genetic diversity;***

Or. fr

#### **Amendment 123**

**Maria Noichl**

#### **Motion for a resolution**

#### **Paragraph 7**

*Motion for a resolution*

*Amendment*

***7. Stresses the need for greater dialogue between genetic banks and end-users in order to build resilience and support for sustainable food production throughout Europe;***

***deleted***

Or. de

**Amendment 124**  
**Bronis Ropé**

**Motion for a resolution**  
**Paragraph 7**

*Motion for a resolution*

7. Stresses *the need for greater dialogue between genetic banks and end-users in order to build resilience and support for sustainable food production throughout Europe*;

*Amendment*

7. Stresses *that EU consumers are increasingly calling on farmers to practice organic and environmentally sound agriculture, to farm in harmony with nature and the environment, and thus to maintain the high added value of EU production in world markets and the unique character of EU-origin products while rejecting genetic engineering technologies*;

Or. It

**Amendment 125**

**Ricardo Serrão Santos, Paolo De Castro, Eric Andrieu, Nicola Caputo, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Paragraph 7**

*Motion for a resolution*

7. Stresses the need for greater dialogue between genetic banks and end-users in order to build resilience and support for sustainable food production throughout Europe;

*Amendment*

7. Stresses the need for greater dialogue between genetic banks, *research, breeders* and end-users in order to build resilience and support for sustainable food production throughout Europe;

Or. en

**Amendment 126**

**Norbert Lins, Albert Deß**

**Motion for a resolution**  
**Paragraph 7**

*Motion for a resolution*

7. Stresses the need for greater dialogue between genetic banks and end-users in order to build resilience and support for sustainable food production throughout Europe;

*Amendment*

7. Stresses the need for greater dialogue between genetic banks, ***private and public plant research and breeding***, end-users ***and all other actors involved in the conservation and use of genetic resources***, in order to build resilience and support for sustainable food production throughout Europe;

Or. en

**Amendment 127**

**Nicola Caputo, Clara Eugenia Aguilera García, Paolo De Castro, Ricardo Serrão Santos, Michela Giuffrida**

**Motion for a resolution**

**Paragraph 7 a (new)**

*Motion for a resolution*

***7a. Points out that the EU's seed banks contain a significant quantity of genetic material which could be used for plant research and to produce new varieties, in order to meet the challenges of sustainable farming;***

*Amendment*

Or. it

**Amendment 128**

**Michel Dantin, Angélique Delahaye**

**Motion for a resolution**

**Paragraph 8**

*Motion for a resolution*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, ***e.g. the European Native Seed Conservation Network (ENSCONET)***, but calls for successor programmes to continue the support for crop and livestock genetic

*Amendment*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, but calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose the significant

conservation activities in order not to lose the significant EU dialogue and momentum gained;

EU dialogue and momentum gained;

Or. fr

### **Amendment 129**

**Ricardo Serrão Santos, Eric Andrieu, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

#### **Motion for a resolution**

##### **Paragraph 8**

###### *Motion for a resolution*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose the significant EU dialogue and momentum gained;

###### *Amendment*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but calls for successor programmes to continue the support for crop and livestock genetic conservation activities, ***including the use of genetic resources through on farm measures***, in order not to lose the significant EU dialogue and momentum gained;

Or. en

### **Amendment 130**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

#### **Motion for a resolution**

##### **Paragraph 8**

###### *Motion for a resolution*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose

###### *Amendment*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose

the significant EU dialogue and momentum gained;

the significant EU dialogue and momentum gained; *stresses the importance of opening up the conservation of genetic resources to a greater diversity of plant and animal species;*

Or. fr

**Amendment 131**  
**Annie Schreijer-Pierik**

**Motion for a resolution**  
**Paragraph 8**

*Motion for a resolution*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose the significant EU dialogue and momentum gained;

*Amendment*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose the significant EU dialogue and momentum gained *and in order to ensure that research funding genuinely results in technological improvements for agriculture and horticulture;*

Or. nl

**Amendment 132**  
**Norbert Lins, Albert Deß**

**Motion for a resolution**  
**Paragraph 8**

*Motion for a resolution*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but

*Amendment*

8. Highlights the previous support from DG Agriculture and Rural Development (AGRI) and DG Research and Innovation (RTD) for genetic resource conservation activities, e.g. the European Native Seed Conservation Network (ENSCONET), but



calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose the significant EU dialogue and momentum gained;

calls for successor programmes to continue the support for crop and livestock genetic conservation activities in order not to lose the significant EU dialogue and momentum gained; ***calls on the Commission to put forward proposals for the European strategy for the safeguarding of genetic diversity in agriculture provided for in Measure 10 of the 'EU Biodiversity Strategy for 2020'***;

Or. de

### **Amendment 133**

**Maria Noichl, Paul Brannen**

#### **Motion for a resolution**

##### **Paragraph 9**

###### *Motion for a resolution*

9. Recognises the need to use germplasm collections to identify and characterise traits for resource use efficiency, pest and disease resistance and other attributes conferring improved quality and resilience; ***considers that this requires greater emphasis to be placed on phenotyping, which is a particular bottleneck for many crops;***

###### *Amendment*

9. Recognises the need to use germplasm collections to identify and characterise traits for resource use efficiency, pest and disease resistance and other attributes conferring improved quality and resilience;

Or. de

### **Amendment 134**

**Bronis Ropé**

#### **Motion for a resolution**

##### **Paragraph 9**

###### *Motion for a resolution*

9. Recognises the need to use germplasm collections to identify and characterise traits for resource use efficiency, pest and disease resistance and other attributes conferring improved quality and resilience; considers that this requires greater

###### *Amendment*

9. Recognises the need to use germplasm collections ***responsibly*** to identify and characterise traits for resource use efficiency, pest and disease resistance and other attributes conferring improved quality and resilience; considers that this

emphasis to be placed on phenotyping, which is a particular bottleneck for many crops;

requires greater emphasis to be placed on phenotyping, which is a particular bottleneck for many crops;

Or. It

**Amendment 135**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 9 a (new)**

*Motion for a resolution*

*Amendment*

*9 a. notes that the most effective way to maintain genetic diversity in agriculture is by using it in vivo; notes that of the three "D.U.S." criteria applied to official EU seed catalogues, Uniformity and Stability are not natural characteristics in genetically diverse plants; notes that adaptation to climate change is dependent upon high genetic variation; notes the increasingly concentrated seed markets and decreased variation per variety; encourages the role played by farm seed systems and exchanges to empower farmers, and recognises participative breeding as a long tradition of innovation in rural communities;*

Or. en

**Amendment 136**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

*Amendment*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal

breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 so that breeders are not deterred by complexity and cost from using wild material to introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience;

breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 so that, ***without exploiting or disempowering rural communities who have stewarded species and bred varieties throughout the years***, breeders are not deterred by complexity and cost from using wild material to introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience;

Or. en

**Amendment 137**  
**Daniel Buda**

**Motion for a resolution**  
**Paragraph 10**

*Motion for a resolution*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 so that breeders are not deterred by complexity and cost from using wild material to introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience;

*Amendment*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 so that breeders are not deterred by complexity and cost from using wild material to introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience; ***insists on the need to maintain and develop the performance of local breeds, given their ability to adapt to the characteristics of their native environment;***

Or. ro

**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 10**

*Motion for a resolution*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 ***so that breeders are not deterred by complexity and cost from using wild material to introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience;***

*Amendment*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866;

Or. es

**Amendment 139**  
**Bronis Ropè**

**Motion for a resolution**  
**Paragraph 10**

*Motion for a resolution*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal breeding programmes; supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 so that breeders are not deterred by complexity and cost from using wild material to introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience;

*Amendment*

10. Recognises the necessity of maintaining and using genetic resources for long-term food security and to broaden the genetic base of modern plant and animal breeding programmes; ***recognises that organic farms face a shortage of new varieties that are resistant to pests and diseases and which could be cultivated without the use of toxic plant protection products;*** supports the concept of access and benefit sharing but urges pragmatic and enabling implementation of Regulation (EU) No 511/2014 and Implementing Regulation (EU) 2015/1866 so that breeders are not deterred by complexity and cost from using wild material to

introduce new traits such as pest and disease resistance, nutritional quality and environmental resilience;

Or. It

**Amendment 140**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 10 a (new)**

*Motion for a resolution*

*Amendment*

***10 a. Also recognises the need for crop diversity for European agriculture, to support suitable crop rotations that remain profitable for farmers. In addition to genetic resources, the need to maintain a range of suitable crop protection tools for a broad range of crops is also highlighted; without such tools, the diversity of crops that can be produced profitably will be severely impacted;***

Or. en

**Amendment 141**  
**Paul Brannen, Maria Noichl**

**Motion for a resolution**  
**Paragraph 10 a (new)**

*Motion for a resolution*

*Amendment*

***10 a. Stresses that farmers' rights to breed plants autonomously, to store and exchange seeds of different species and varieties must be respected in order to ensure genetic diversity of European agriculture;***

Or. en

**Amendment 142**

**Marco Zullo, Rosa D'Amato**

**Motion for a resolution  
Paragraph 10 a (new)**

*Motion for a resolution*

*Amendment*

***10a. Takes the view that introducing genetically modified organisms into the European ecosystem would represent a serious and irreversible step towards the impoverishment of genetic diversity and would undermine biodiversity;***

Or. it

**Amendment 143  
Maria Noichl**

**Motion for a resolution  
Subheading 4**

*Motion for a resolution*

*Amendment*

***Precision breeding***

***deleted***

Or. de

**Amendment 144  
Molly Scott Cato  
on behalf of the Verts/ALE Group**

**Motion for a resolution  
Paragraph 11**

*Motion for a resolution*

*Amendment*

***11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many***

***deleted***

*breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;*

Or. en

**Amendment 145**  
**Maria Noichl**

**Motion for a resolution**  
**Paragraph 11**

*Motion for a resolution*

*Amendment*

*11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;*

*deleted*

Or. de

**Amendment 146**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 11**

**11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;**

**deleted**

Or. es

**Amendment 147**  
**Marijana Petir**

**Motion for a resolution**  
**Paragraph 11**

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; **recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue**

11. Supports the need for continuous progress in plant and animal breeding **through the application of safe and proven techniques** to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market;



*culture based methods;*

Or. hr

#### **Amendment 148**

**Philippe Loiseau, Laurențiu Rebege, Edouard Ferrand**

#### **Motion for a resolution**

##### **Paragraph 11**

###### *Motion for a resolution*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the *importance* of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, *but also the potential offered by precision breeding for crop improvement*, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

###### *Amendment*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the *existence* of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, *and also takes account of the emergence of* precision breeding, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

Or. fr

#### **Amendment 149**

**Ricardo Serrão Santos, Eric Andrieu, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

#### **Motion for a resolution**

##### **Paragraph 11**

###### *Motion for a resolution*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial

###### *Amendment*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial

characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by **precision breeding for** crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by crop improvement **techniques** such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

Or. en

**Amendment 150**  
**Bronis Ropé**

**Motion for a resolution**  
**Paragraph 11**

*Motion for a resolution*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

*Amendment*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises **that precision breeding is of particular importance on farms practicing organic and environmentally sound agriculture;** **recognises** the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

Or. It

**Amendment 151**  
**Annie Schreijer-Pierik**

**Motion for a resolution**  
**Paragraph 11**

*Motion for a resolution*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs) *and CRISPR in genome editing*, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

*Amendment*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop improvement, such as the use of zinc finger nucleases (ZFNs), oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

Or. nl

**Amendment 152**  
**Norbert Lins, Albert Deß**

**Motion for a resolution**  
**Paragraph 11**

*Motion for a resolution*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop

*Amendment*

11. Supports the need for continuous progress in plant and animal breeding to increase not only the range of pest- and disease-resistant traits in crops, but also the range of food raw materials with nutritional and health-beneficial characteristics on the market; recognises the importance of marker-assisted selection (MAS) and SMART breeding, which are now well-integrated into many breeding programmes, but also the potential offered by precision breeding for crop

improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

improvement, such as the use of zinc finger nucleases (ZFNs) and CRISPR in genome editing, oligonucleotide-directed mutagenesis (ODM) and the use of CMS hybrids in protoplast fusion or tissue culture based methods;

*Considers important to also ensure sustained support for development and use of future technological tools which may allow breeding to successfully address the societal challenges ahead;*

Or. en

### **Amendment 153**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

### **Motion for a resolution**

#### **Paragraph 11 a (new)**

*Motion for a resolution*

*Amendment*

*11 a. acknowledges that new GMOs derived by techniques such as zinc finger nucleases (ZFNs), CRISPR/Cas and oligonucleotide-directed mutagenesis (ODM) do not yet have a long history of safe use, and that due care should be taken in approval processes for plants obtained using them;*

Or. en

### **Amendment 154**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

### **Motion for a resolution**

#### **Paragraph 11 b (new)**

*Motion for a resolution*

*Amendment*

*11 b. notes that the so-called "new breeding techniques" are not yet as reliable as conventional breeding to achieve lasting desired phenotype*

*changes, due to unintended changes in the genotype following introduction of genetic material, which can result in instability under high stress conditions, or unwanted side effects on proteins and metabolites based inter alia on a paucity of knowledge of plant repair mechanisms;*

Or. en

**Amendment 155**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 11 c (new)**

*Motion for a resolution*

*Amendment*

*11 c. notes the concerns raised about both off-target and also on-target changes with unintended effects on the whole genome, inter alia with regard to plant repair mechanisms and considerable knowledge gaps therein;*

Or. en

**Amendment 156**  
**Maria Noichl**

**Motion for a resolution**  
**Paragraph 12**

*Motion for a resolution*

*Amendment*

*12. Emphasises that it is crucial not to hamper the application of high-precision breeding techniques – without scientific reason – by subjecting them to unnecessary regulatory oversight;*

*deleted*

Or. de

**Amendment 157**

**Lidia Senra Rodríguez**

**Motion for a resolution  
Paragraph 12**

*Motion for a resolution*

*Amendment*

**12. Emphasises that it is crucial not to hamper the application of high-precision breeding techniques – without scientific reason – by subjecting them to unnecessary regulatory oversight;** *deleted*

Or. es

**Amendment 158**

**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

**Motion for a resolution  
Paragraph 12**

*Motion for a resolution*

*Amendment*

**12. Emphasises that it is crucial not to hamper the application of high-precision breeding techniques – without scientific reason – by subjecting them to unnecessary regulatory oversight;** *deleted*

Or. en

**Amendment 159**

**Philippe Loiseau, Laurențiu Rebeca, Edouard Ferrand**

**Motion for a resolution  
Paragraph 12**

*Motion for a resolution*

*Amendment*

**12. Emphasises that it is crucial not to hamper the application of high-precision breeding techniques – without scientific reason – by subjecting them to unnecessary regulatory oversight;** *deleted*

Or. fr

**Amendment 160**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 12**

*Motion for a resolution*

*Amendment*

**12. Emphasises that it is crucial not to hamper the application of high-precision breeding techniques – without scientific reason – by subjecting them to unnecessary regulatory oversight;** *deleted*

Or. en

**Amendment 161**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

**Paragraph 12**

*Motion for a resolution*

*Amendment*

**12. Emphasises that it is crucial not to hamper the application of high-precision breeding techniques – without scientific reason – by subjecting them to unnecessary regulatory oversight;** *deleted*

Or. fr

**Amendment 162**

**Marijana Petir**

**Motion for a resolution**

**Paragraph 12**

*Motion for a resolution*

*Amendment*

12. Emphasises that it is crucial **not to hamper the application of** high-precision breeding techniques – **without scientific reason – by subjecting them to**

12. Emphasises that it is crucial, **and in keeping with** the **precautionary principle, to investigate and appropriately regulate** high-precision breeding techniques **before**

unnecessary regulatory oversight;

*they are applied in view of their possible effects on human health, on the health and wellbeing of animals, and on the environment and biodiversity, as their widespread use cannot subsequently be hampered or subjected to unnecessary regulatory oversight;*

Or. hr

**Amendment 163**  
**Ricardo Serrão Santos**

**Motion for a resolution**  
**Paragraph 12**

*Motion for a resolution*

12. Emphasises that *it is crucial not to hamper* the application of high-precision breeding techniques – *without scientific reason – by subjecting them to unnecessary regulatory oversight;*

*Amendment*

12. Emphasises that the application of high-precision breeding techniques *requires a political evaluation and decision regarding its regulatory oversight, based on a sound scientific basis;*

Or. en

**Amendment 164**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Paragraph 12**

*Motion for a resolution*

12. Emphasises that it is crucial not to hamper *the application of* high-precision breeding techniques – *without scientific reason* – by subjecting them to *unnecessary* regulatory oversight;

*Amendment*

12. Emphasises that it is crucial not to hamper *experiments involving* high-precision breeding techniques by subjecting them to *excessive* regulatory oversight;

Or. it

**Amendment 165**  
**Anthea McIntyre**



**Motion for a resolution**  
**Paragraph 12 a (new)**

*Motion for a resolution*

*Amendment*

***12 a. Recognizes opportunities for new technologies for targeted trait development and selection in animals including those with welfare and health benefits, such as hornless cattle or resistance to prion diseases;***

Or. en

**Amendment 166**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 12 a (new)**

*Motion for a resolution*

*Amendment*

***12 a. Emphasises that organisms resulting from the application of high-precision breeding techniques are subject to the requirements of Directive 2001/18/EC;***

Or. en

**Amendment 167**  
**Maria Noichl**

**Motion for a resolution**  
**Paragraph 13**

*Motion for a resolution*

*Amendment*

***13. Considers it timely for the Commission to publish the final report of the 'New Techniques' working group and to use its scientific findings as the basis for clarifying the legal status of the breeding techniques currently under scrutiny;***

***deleted***

Or. de

**Amendment 168**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 13**

*Motion for a resolution*

**13. Considers it timely for the Commission to publish the final report of the ‘New Techniques’ working group and to use its scientific findings as the basis for clarifying the legal status of the breeding techniques currently under scrutiny;**

*deleted*

*Amendment*

Or. es

**Amendment 169**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 13**

*Motion for a resolution*

13. Considers it timely for the Commission to publish the final report of the ‘New Techniques’ working group and to use *its* scientific findings as *the* basis for clarifying the legal status of the breeding techniques currently under scrutiny;

*Amendment*

13. Considers it timely for the Commission to publish the final report of the ‘New Techniques’ working group and to use scientific findings as *a* basis, *among others*, for clarifying the legal status of the breeding techniques currently under scrutiny;

Or. en

**Amendment 170**  
**Ricardo Serrão Santos, Eric Andrieu, Jean-Paul Denanot**

**Motion for a resolution**  
**Paragraph 13**

*Motion for a resolution*

*Amendment*

13. Considers it timely for the Commission to publish the final report of the ‘New Techniques’ working group and to use *its* scientific findings as the basis for clarifying the legal status of the breeding techniques currently under scrutiny;

13. Considers it timely for the Commission to publish the final report of the ‘New Techniques’ working group and to use scientific findings, *as well as sound legal analysis*, as the basis for clarifying the legal status of the breeding techniques currently under scrutiny;

Or. en

**Amendment 171**  
**Maria Noichl**

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

*Amendment*

***14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes;***

*deleted*

Or. de

**Amendment 172**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

*Amendment*

***14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes;***

*deleted*

Or. es

**Amendment 173**  
**Daniel Buda**

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes;

*Amendment*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes; ***encourages breeders in their efforts to consolidate and diversify existing species and calls on the Commission and Member States to create flexible legislative frameworks that will facilitate breeding programmes;***

Or. ro

**Amendment 174**  
**Philippe Loiseau, Laurențiu Rebega, Edouard Ferrand**

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of ***high-precision***, innovative solutions for breeding programmes;

*Amendment*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of innovative solutions for breeding programmes;

Or. fr

**Amendment 175**  
**Norbert Lins**

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes;

*Amendment*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes; ***therefore***

*disapproves of the current decision of the  
Enlarged Board of Appeal of the  
European Patent Office (EPO) of 25  
March 2015 in Cases G2/12 and G2/13;*

Or. en

**Amendment 176**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes;

*Amendment*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes, *including those within the remit of Directive 2001/18/EC;*

Or. en

**Amendment 177**  
**Mairead McGuinness**

**Motion for a resolution**  
**Paragraph 14**

*Motion for a resolution*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes;

*Amendment*

14. Encourages open and transparent dialogue among all stakeholders and the public for the responsible development of high-precision, innovative solutions for breeding programmes, *this will require efforts to raise awareness and understanding of new techniques among farmers and the public generally; calls on the Commission to ensure that consumers and farmers are sufficiently educated in new and emerging breeding techniques to ensure that an open and informed public debate can take place;*

**Amendment 178**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

**Paragraph 14 a (new)**

*Motion for a resolution*

*Amendment*

***14a. Calls on the Commission to make proposals concerning the production and sale of seeds, to enable wider use to be made of all genetic resources, particularly those comprising heterogeneous material; considers that everybody should have access to these resources where they are in the public domain;***

Or. fr

**Amendment 179**

**Norbert Lins**

**Motion for a resolution**

**Subheading 5 a (new)**

*Motion for a resolution*

*Amendment*

***Calls for more efforts to be made to develop more cost-effective alternatives for an integrated pest management system by supporting field research and more demonstration into non-chemical alternatives and low-risk measures and pesticides which are more environment-friendly; calls on the European Commission to come forward with an action plan and to set up an expert group in order to work towards a more sustainable pest management system; stresses that farmers need to have a bigger toolbox at hand to protect their crops and to decide which measure will best protect their crops; highlights the potential of a pest management that improves the interaction between plant breeding efforts,***

*natural combat systems and pesticide use; notes that biological control mechanisms relating to pests and diseases could reduce the use of pesticides and may contribute to better plant resilience;*

Or. en

**Amendment 180**  
**Norbert Lins**

**Motion for a resolution**  
**Subheading 5 b (new)**

*Motion for a resolution*

*Amendment*

*Points out the need to review the implementation of the regulatory framework for PPPs and to develop a coherent, efficient, predictable, risk-based and scientifically robust approvals system; stresses the need to harmonize the approval system within the zonal system set up by EU Reg. 1107/2009;*

Or. en

**Amendment 181**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 15**

*Motion for a resolution*

*Amendment*

15. Stresses the urgent need to review the implementation of the regulatory framework for PPPs and to develop a coherent, efficient, predictable, risk-based and scientifically robust approvals system;

15. Stresses the urgent need to review the implementation of the regulatory framework for PPPs and to develop a coherent, efficient, predictable, risk-based and scientifically robust approvals system, *noting that production of food and feed operates in a competitive, international environment, and inappropriate regulation will increase imports to Europe;*

Or. en

**Amendment 182**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 15**

*Motion for a resolution*

15. Stresses the urgent need to review the implementation of the regulatory framework for PPPs and to **develop a** coherent, efficient, predictable, risk-based and scientifically robust **approvals system**;

*Amendment*

15. Stresses the urgent need to review the implementation of the regulatory framework for PPPs and to **apply the current regulations as intended by the legislators so as to make the approvals system** coherent, **fair, transparent and independent**, efficient, predictable, **hazard and** risk-based and scientifically robust;  
**stresses the need to align guidance documents such as those on negligible exposure with the intention and precautionary approach of the regulation as adopted by Parliament and Council**;

Or. en

**Amendment 183**

**Eric Andrieu, Jean-Paul Denanot**

**Motion for a resolution**

**Paragraph 15**

*Motion for a resolution*

15. **Stresses** the **urgent need** to review the implementation of the regulatory framework for PPPs and to develop a coherent, efficient, predictable, risk-based and scientifically robust approvals system;

*Amendment*

15. **Considers it necessary to reduce consumption of plant protection products in Europe by cutting their use and by developing alternatives to their use; however, because in many cases their use remains the only solution available to farmers, it seems desirable** to review the implementation of the regulatory framework for PPPs and to develop a **stronger**, coherent, efficient, predictable, risk-based and scientifically robust **assessment and** approvals system



**Amendment 184**

**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**

**Paragraph 15**

*Motion for a resolution*

15. Stresses the urgent need to review the implementation of the regulatory framework for PPPs and to develop a coherent, efficient, predictable, risk-based and scientifically robust approvals system;

*Amendment*

15. Stresses the urgent need to review the implementation of the regulatory framework for PPPs and to develop a coherent, efficient, predictable, risk-based and scientifically robust approvals system *which assesses possible damage to health and the environment;*

Or. it

**Amendment 185**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

**Paragraph 15 a (new)**

*Motion for a resolution*

*Amendment*

*15a. Calls on the Commission to promote biocontrols, which are methods of protecting crops based on the use of living organisms or natural substances (macro-organisms: insects, nematodes; micro-organisms: viruses, bacteria, fungi; chemical messengers: pheromones; natural substances of animal, vegetable or mineral origin) in order to reduce the dependence of farming on pesticides;*

Or. fr

**Amendment 186**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

**Motion for a resolution**

## Paragraph 15 b (new)

*Motion for a resolution*

*Amendment*

***15b. Considers it important to reduce farmers' dependence on pesticides as much as possible and to develop other alternatives on grounds of health (farmers are often the first victims of them) or the environment (soil, water and air pollution) or for economic reasons; notes that these plant protection products which are placed on the market by increasingly concentrated private undertakings are becoming more and more expensive because of the growing importance of investment in research into increasingly complex molecules which prompts undertakings that produce these substances to abandon research into certain production sectors, creating technical impasses for farmers;***

Or. fr

## Amendment 187

Paul Brannen, Maria Noichl

### Motion for a resolution

#### Paragraph 16

*Motion for a resolution*

*Amendment*

16. Welcomes the 2016 Commission Work Programme REFIT initiatives which commit the EU to carrying out an evaluation of Regulation (EC) No 1107/2009 and Regulation (EC) No 396/2005;

16. Welcomes the 2016 Commission Work Programme REFIT initiatives which commit the EU to carrying out an evaluation of Regulation (EC) No 1107/2009 and Regulation (EC) No 396/2005; ***stresses, however, that the REFIT process must not lead to lowering of the relevant food safety and environmental protection standards;***

Or. en

## Amendment 188

Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos

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**Motion for a resolution**  
**Paragraph 16**

*Motion for a resolution*

16. Welcomes the 2016 Commission Work Programme REFIT initiatives which commit the EU to carrying out an evaluation of Regulation (EC) No 1107/2009 and Regulation (EC) No 396/2005;

*Amendment*

16. Welcomes the 2016 Commission Work Programme REFIT initiatives which commit the EU to carrying out an evaluation of Regulation (EC) No 1107/2009 and Regulation (EC) No 396/2005 ***which will take greater account of health and environmental concerns;***

Or. fr

**Amendment 189**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 17**

*Motion for a resolution*

17. Calls on the Commission to include in its report to Parliament and the Council options for amending and improving the current legislation, ***and in particular on the functioning of mutual recognition of authorisations and the zonal evaluations process;***

*Amendment*

17. Calls on the Commission to include in its report to Parliament and the Council options for amending and improving the current legislation;

Or. es

**Amendment 190**  
**Clara Eugenia Aguilera García, Paolo De Castro, Nicola Caputo, Ricardo Serrão Santos**

**Motion for a resolution**  
**Paragraph 17**

*Motion for a resolution*

17. Calls on the Commission to include in its report to Parliament and the Council options for amending and improving the current legislation, and in particular on the functioning of mutual recognition of

*Amendment*

17. Calls on the Commission to include in its report to Parliament and the Council options for amending and improving the current legislation, and in particular on the functioning of mutual recognition of

authorisations **and** the zonal evaluations process;

authorisations, the zonal evaluations process **and authorisations for uses of secondary importance and minor crops**;

Or. es

**Amendment 191**  
**Bronis Ropè**

**Motion for a resolution**  
**Paragraph 17**

*Motion for a resolution*

17. Calls on the Commission **to include in its report to Parliament and the Council options for amending and improving** the current legislation, **and** in particular on the functioning of mutual recognition of authorisations **and the zonal evaluations process**;

*Amendment*

17. Calls on the Commission, **Parliament, and the Council systematically to observe the precautionary principle when implementing** the current legislation, in particular on the functioning of mutual recognition of authorisations;

Or. It

**Amendment 192**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 17 a (new)**

*Motion for a resolution*

**17 a. Underlines the concern that the zonal authorisations system is not functioning due to the continued use of outdated national authorisation methodologies and calls on the Commission to promote the use of common evaluation procedures to ensure mutual recognition of products across the Member States in the zones identified in Regulation 1107/2009**;

*Amendment*

Or. en

### Amendment 193

Esther Herranz García, Pilar Ayuso, Ramón Luis Valcárcel Siso, Anthea McIntyre

#### Motion for a resolution

##### Paragraph 17 a (new)

*Motion for a resolution*

*Amendment*

***17 a. Regrets that the new fund for "minor uses" is not exploited as expected since it does not cover projects of research and innovation, but only work of coordination between Member States, losing its attractiveness; asks the European Commission to seek solutions to solve the problems arisen for "minor uses" and to remedy the shortcomings of the new fund;***

Or. en

### Amendment 194

Molly Scott Cato

on behalf of the Verts/ALE Group

#### Motion for a resolution

##### Paragraph 18

*Motion for a resolution*

*Amendment*

18. Highlights the importance of assessing the ***benefits*** of active substances ***in supporting*** sustainable agriculture ***as well as*** the risk and hazards associated with the use of products;

18. Highlights the importance of ***fairly and openly*** assessing the ***impacts*** of active substances ***with a view to ensuring*** sustainable agriculture ***in line with EU law, and comprehensively evaluating*** the risk and hazards associated with the use of products, ***including all adverse effects described in published, peer-reviewed scientific literature;***

Or. en

### Amendment 195

Ricardo Serrão Santos, Clara Eugenia Aguilera García, Eric Andrieu, Nicola Caputo, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov

#### Motion for a resolution

## Paragraph 18

### *Motion for a resolution*

18. Highlights the importance of assessing the benefits of active substances in supporting sustainable agriculture as well as the risk and hazards associated with the use of products;

### *Amendment*

18. Highlights the importance of assessing the benefits of active substances in supporting sustainable agriculture as well as the risk and hazards associated with the use of products, ***and recalls that the precautionary principle should be used when the degree of uncertainty is too high to ensure public health or good agricultural and environmental conditions;***

Or. en

## Amendment 196

**Marco Zullo, Rosa D'Amato**

### **Motion for a resolution**

#### **Paragraph 18**

### *Motion for a resolution*

18. Highlights the importance of assessing the benefits of active substances in supporting sustainable agriculture as well as the risk and hazards associated with the use of products;

### *Amendment*

18. Highlights the importance of assessing the benefits of active substances in supporting sustainable agriculture as well as the risk and hazards associated with the use of products; ***calls, in particular, for assessments to cover not just the impact of each individual product, but also the overall impact of all the products used in a given area;***

Or. it

## Amendment 197

**Ricardo Serrão Santos, Clara Eugenia Aguilera García, Paolo De Castro, Eric Andrieu, Tibor Szanyi, Jean-Paul Denanot, Momchil Nekov**

### **Motion for a resolution**

#### **Paragraph 18 a (new)**

### *Motion for a resolution*

### *Amendment*

***18 a. Stresses the urgent need for***

*adequate funding and coordination to address the lack of crop protection solutions for minor uses and specialty crops, while welcoming the Integrated Pest Management -European Research Area Network (IPM-ERANET) working package 3;*

Or. en

**Amendment 198**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 19**

*Motion for a resolution*

19. Calls on DG Health and Food Safety (SANTE) to establish clear criteria for defining low-risk active substances *for the development and use of low-risk pesticides while considering the number of existing substances that could also qualify as low-risk;*

*Amendment*

19. Calls on DG Health and Food Safety (SANTE) to establish clear criteria for defining low-risk active substances *that do not harm human health or biodiversity or pollute water used for the development of products used in agro-ecological production;*

Or. es

**Amendment 199**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 19**

*Motion for a resolution*

19. Calls on DG Health and Food Safety (SANTE) to establish clear criteria for defining low-risk active substances for the development and use of low-risk pesticides *while* considering the *number of existing substances that could also qualify as* low-risk;

*Amendment*

19. Calls on DG Health and Food Safety (SANTE) to establish clear criteria for defining low-risk active substances for the development and use of low-risk pesticides, *whilst* considering *evolving scientific knowledge and ensuring that the objectives of health and environmental protection are met, and to ensure that safety data are present for the criteria applied for all potential low-risk*

*substances;*

Or. en

## **Amendment 200**

**Bronis Ropè**

### **Motion for a resolution**

#### **Paragraph 19**

##### *Motion for a resolution*

19. Calls on DG Health and Food Safety (SANTE) to *establish clear* criteria for defining *low-risk* active substances for the development and use of *low-risk pesticides while considering* the *number of existing* substances *that could also qualify as low-risk*;

##### *Amendment*

19. Calls on DG Health and Food Safety (SANTE) to *apply the precautionary principle systematically and in a responsible way by spelling out the* criteria for defining *safe* active substances for the development and use of pesticides, *guaranteeing complete security as regards consumer health, the environment, and ecosystems, and keeping the risk levels of active substances permanently under review, taking into account the most recent scientific studies*;

Or. It

## **Amendment 201**

**Philippe Loiseau, Laurențiu Rebegea, Edouard Ferrand**

### **Motion for a resolution**

#### **Paragraph 19 a (new)**

##### *Motion for a resolution*

##### *Amendment*

*19a. Recalls that it is important to durably secure a legal framework favourable to the use of natural preparations which give rise to little concern, which have the advantage of being inexpensive and unpolluting;*

Or. fr

## **Amendment 202**

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**Lidia Senra Rodríguez**

**Motion for a resolution  
Paragraph 20**

*Motion for a resolution*

*Amendment*

**20. Takes the view that low-risk substances should be given provisional approval for use and priority for evaluation by the rapporteur Member States and the European Food Safety Authority (EFSA) to help meet the aims of Directive 2009/128/EC regarding the sustainable use of pesticides, especially for product use on minor and speciality crops;**

*deleted*

Or. es

**Amendment 203**

**Maria Noichl, Paul Brannen**

**Motion for a resolution  
Paragraph 20**

*Motion for a resolution*

*Amendment*

**20. Takes the view that low-risk substances should be given provisional approval for use and priority for evaluation by the rapporteur Member States and the European Food Safety Authority (EFSA) to help meet the aims of Directive 2009/128/EC regarding the sustainable use of pesticides, especially for product use on minor and speciality crops;**

*deleted*

Or. de

**Amendment 204**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution  
Paragraph 20**

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**EN**

*Motion for a resolution*

20. Takes the view that low-risk substances should be given **provisional approval for use and** priority for evaluation by the rapporteur Member States and the European Food Safety Authority (EFSA) to help meet the aims of Directive 2009/128/EC regarding the sustainable use of pesticides, especially **for product** use on minor and speciality crops;

*Amendment*

20. Takes the view that low-risk substances should be given priority for evaluation by the rapporteur Member States and the European Food Safety Authority (EFSA) to **support implementation of IPM to** help meet the aims of Directive 2009/128/EC regarding the sustainable use of pesticides, especially use on minor and speciality crops;

Or. en

**Amendment 205**

**Anthea McIntyre**

**Motion for a resolution**

**Paragraph 20**

*Motion for a resolution*

20. Takes the view that low-risk substances should be given provisional approval for use and priority for evaluation by the rapporteur Member States and the European Food Safety Authority (EFSA) to help meet the aims of Directive 2009/128/EC regarding the sustainable use of pesticides, especially for product use on minor and speciality crops;

*Amendment*

20. Takes the view that low-risk substances should be given provisional approval for use and priority for evaluation by the rapporteur Member States and the European Food Safety Authority (EFSA) to help meet the aims of Directive 2009/128/EC regarding **Integrated Pest Management and** the sustainable use of pesticides, especially for product use on minor and speciality crops;

Or. en

**Amendment 206**

**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**

**Paragraph 20**

*Motion for a resolution*

20. Takes the view that low-risk substances should **be given provisional approval for use and priority for evaluation by the**

*Amendment*

20. Takes the view that low-risk substances should help meet the aims of Directive 2009/128/EC regarding the sustainable use

*rapporteur Member States and the European Food Safety Authority (EFSA) to help meet the aims of Directive 2009/128/EC regarding the sustainable use of pesticides, especially for product use on minor and speciality crops;*

of pesticides, *also* for product use on minor and speciality crops;

Or. it

**Amendment 207**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 20 a (new)**

*Motion for a resolution*

*Amendment*

*20 a. regrets that the approval process for non-chemical alternatives to plant protection products such as biological controls and nature-based solutions is the same as for conventional synthetic pesticides and biocides; notes the huge success of biological and nature-based pest controls, especially in the fruit sector; calls on the Commission therefore for the proportional easing of these restrictions on non-chemical alternatives, notwithstanding due attention to be given to avoid release of alien species;*

Or. en

**Amendment 208**  
**Paul Brannen, Maria Noichl**

**Motion for a resolution**  
**Paragraph 20 a (new)**

*Motion for a resolution*

*Amendment*

*20 a. Encourages wider use of various alternatives to traditional pesticides, including biopesticides, as a component of the Integrated Pest Management;*

**Amendment 209**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 21**

*Motion for a resolution*

*Amendment*

*21. Notes that a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new low-risk substances and enable farmers to switch more rapidly to sustainable PPPs;* *deleted*

Or. es

**Amendment 210**  
**Maria Noichl, Paul Brannen**

**Motion for a resolution**  
**Paragraph 21**

*Motion for a resolution*

*Amendment*

*21. Notes that a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new low-risk substances and enable farmers to switch more rapidly to sustainable PPPs;* *deleted*

Or. de

**Amendment 211**  
**Eric Andrieu, Jean-Paul Denanot**

**Motion for a resolution**  
**Paragraph 21**

*Motion for a resolution*

*Amendment*

**21. Notes that a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new low-risk substances and enable farmers to switch more rapidly to sustainable PPPs;**

*deleted*

Or. fr

#### **Amendment 212**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

#### **Motion for a resolution**

##### **Paragraph 21**

###### *Motion for a resolution*

21. Notes that **a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry** research into the development of **new low-risk substances** and **enable** farmers to switch more rapidly to sustainable **PPPs**;

###### *Amendment*

21. Notes that **low risk pesticides are a last resort in IPM, and calls for stimulating** research into the development of **alternatives to synthetic pesticides and enabling** farmers to switch more rapidly to sustainable **pest management**;

Or. en

#### **Amendment 213**

**Clara Eugenia Aguilera García, Paolo De Castro, Nicola Caputo**

#### **Motion for a resolution**

##### **Paragraph 21**

###### *Motion for a resolution*

21. Notes that a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new low-risk substances and **enable farmers** to switch more rapidly to sustainable PPPs;

###### *Amendment*

21. Notes that a faster approvals process would increase the availability of low-risk **PPPs and** pesticides on the market, **reduce the risk of the development of resistance to active ingredients**, stimulate industry research into the development of new low-risk **active ingredients, including new, innovative low-risk** substances, **thus ensuring** farmers **have sufficient plant-protection tools at their disposal and**

*enabling them* to switch more rapidly to sustainable PPPs;

Or. es

**Amendment 214**  
**Bronis Ropè**

**Motion for a resolution**  
**Paragraph 21**

*Motion for a resolution*

21. Notes that *a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new low-risk substances and enable farmers to switch more rapidly to sustainable PPPs;*

*Amendment*

21. Notes that *the approval process for pesticides must remain completely transparent and objective and seek above all to guarantee safety and health;*

Or. It

**Amendment 215**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Paragraph 21**

*Motion for a resolution*

21. Notes that *a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new low-risk substances and enable farmers to switch more rapidly to sustainable PPPs;*

*Amendment*

21. Notes that *there is a need to draw up strategies and introduce incentives which enable farmers to switch more rapidly to sustainable PPPs;*

Or. it

**Amendment 216**  
**John Stuart Agnew**

**Motion for a resolution**

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## Paragraph 21

### *Motion for a resolution*

21. Notes that a faster approvals process would increase the availability of low-risk pesticides on the market, stimulate industry research into the development of new **low-risk** substances and enable farmers to switch more rapidly to sustainable PPPs;

### *Amendment*

21. Notes that a faster **and enabling** approvals process would increase the availability of low-risk pesticides on the market, **including biopesticides**, stimulate industry research into the development of new **low-risk** substances and enable farmers to switch more rapidly to sustainable PPPs;

Or. en

## Amendment 217

**Molly Scott Cato**

on behalf of the Verts/ALE Group

### **Motion for a resolution**

#### **Paragraph 21 a (new)**

### *Motion for a resolution*

### *Amendment*

**21 a. Notes that because of unintended non-target effects of pesticides on beneficial bacteria, fungi, arthropoda, nematodes and other groups of species in agro-ecosystems, natural defence and nutrition mechanisms useful for the crop plants may be severely compromised;**

**Notes further that this leads to limited efficacy of IPM, and also increased susceptibility to future pest attack;**

Or. en

## Amendment 218

**Molly Scott Cato**

on behalf of the Verts/ALE Group

### **Motion for a resolution**

#### **Paragraph 21 b (new)**

### *Motion for a resolution*

### *Amendment*

*21 b. Notes the reductions in efficacy of active substances due to evolution of biologically inevitable resistance linked to overuse of commonly used pesticides, including emergence of "superweeds";*

*Cautions therefore against prophylactic application of pesticides and advocates rather a cascade approach via IPM whereby pesticides are a last resort after physical, non-chemical and biological control methods;*

Or. en

**Amendment 219**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 21 c (new)**

*Motion for a resolution*

*Amendment*

*21 c. Regrets the slow progress of the member states and Commission to respectively implement and evaluate implementation of IPM and directive 2009/128/EC;*

Or. en

**Amendment 220**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 21 d (new)**

*Motion for a resolution*

*Amendment*

*21 d. Calls on EFSA to ensure stringent and independent risk assessment, in line with applicable guidance and regulations;*

*Calls for an independent panel of scientists to review EFSA's risk assessment of glyphosate, so as to identify*



*the reasons behind opposite conclusions by IARC and EFSA regarding its carcinogenic properties, in order for EFSA to regain the trust of the public in its public health mission;*

Or. en

**Amendment 221**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 21 e (new)**

*Motion for a resolution*

*Amendment*

*21 e. Questions the resource efficiency of using glyphosate as a ripening and drying agent for grain crops, due to the non target effects of this practice, in particular effects on soil microorganisms and on pest resistance;*

Or. en

**Amendment 222**

**Paul Brannen, Maria Noichl**

**Motion for a resolution**

**Paragraph 22**

*Motion for a resolution*

*Amendment*

22. Recognises that the development of agri-related technologies requires a multitude of skills sets that are specialist as well as transdisciplinary in approach – these include, but are not limited to, general plant, animal and environmental science, physiology and engineering;

22. Recognises that the development of agri-related technologies requires a multitude of skills sets *and knowledge* that are specialist as well as transdisciplinary in approach – these include, but are not limited to, general plant, animal and environmental science, physiology and engineering;

Or. en

**Amendment 223**  
**Momchil Nekov, Ricardo Serrão Santos**

**Motion for a resolution**  
**Paragraph 22**

*Motion for a resolution*

22. Recognises that the development of agri-related technologies requires a multitude of skills sets that are specialist as well as transdisciplinary in approach – these include, but are not limited to, general plant, animal and environmental science, physiology and engineering;

*Amendment*

22. Recognises that the development of agri-related technologies requires a multitude of skills sets that are specialist as well as transdisciplinary in approach – these include, but are not limited to, general plant, animal and environmental science, physiology and engineering, **but also oceanology, which has the potential of providing resources for agriculture;**

Or. en

**Amendment 224**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 23**

*Motion for a resolution*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with industry and other relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer in these areas;

*Amendment*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with industry and other relevant stakeholders in the design of their next Rural Development Programmes, **including European Innovation Partnerships (EIPs)**, to identify opportunities to support skills development and knowledge transfer in these areas;

Or. en

**Amendment 225**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 23**

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*Motion for a resolution*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with **industry and other** relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer in these areas;

*Amendment*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer in these areas;

Or. en

**Amendment 226**

**Paul Brannen, Maria Noichl**

**Motion for a resolution**

**Paragraph 23**

*Motion for a resolution*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with industry and other relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer in these areas;

*Amendment*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with industry, **research institutions** and other relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer in these areas, **including by means of trainings and apprenticeships for young farmers and new entrants**;

Or. en

**Amendment 227**

**Annie Schreijer-Pierik**

**Motion for a resolution**

**Paragraph 23**

*Motion for a resolution*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with

*Amendment*

23. Regrets the increasing skill shortages in many of these professions and calls on the Member States to work in partnership with

industry and other relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer in these areas;

industry and other relevant stakeholders in the design of their next Rural Development Programmes to identify opportunities to support skills development and knowledge transfer *to farmers and market gardeners* in these areas;

Or. nl

**Amendment 228**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 23 a (new)**

*Motion for a resolution*

*Amendment*

*23 a. Calls for publically funded extension of farm advisory services independent of input industries, to offer advice on all options available to farmers, and to respect the principles of IPM in advising a cascade of measures that use pesticides as a last resort*

Or. en

**Amendment 229**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Paragraph 24**

*Motion for a resolution*

*Amendment*

24. Calls on the *agricultural technologies sector* to *improve coordination and integration of on-farm demonstrations and use of demonstration and monitor farms to share best practice*;

24. Calls on the *Commission and Member States* to *launch a public research programme for the development of agro-ecology based on the traditional knowledge and know-how of farmers*;

Or. es

**Amendment 230**

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**Momchil Nekov, Ricardo Serrão Santos**

**Motion for a resolution  
Paragraph 24**

*Motion for a resolution*

24. Calls on the agricultural technologies sector to improve coordination and integration of on-farm demonstrations and use of demonstration and monitor farms to share best practice;

*Amendment*

24. Calls on the agricultural technologies sector to improve coordination and integration of on-farm demonstrations and use of demonstration and monitor farms to share best practice ***on regional, national and European level using currently available or new programmes, initiatives or resources;***

Or. en

**Amendment 231  
Marco Zullo, Rosa D'Amato**

**Motion for a resolution  
Paragraph 24 a (new)**

*Motion for a resolution*

*Amendment*

***24a. Takes the view that investing in the development of agricultural technologies may attract younger people to farming, thus fostering generational change;***

Or. it

**Amendment 232  
Norbert Lins, Albert Deß**

**Motion for a resolution  
Subheading 7 a (new)**

*Motion for a resolution*

*Amendment*

***Recognises the potential that precision farming and digital technology integration can have in making agriculture more attractive for young farmers and creating new opportunities for growth and employment in rural***

*areas;*

Or. en

**Amendment 233**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 25**

*Motion for a resolution*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan, *with continuity of funding*, for *basic and applied research*;

*Amendment*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan *for the development of agro-ecology and the necessary infrastructure for the processing and sale of products in short supply chains*;

Or. es

**Amendment 234**  
**Viorica Dăncilă**

**Motion for a resolution**  
**Paragraph 25**

*Motion for a resolution*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan, with continuity of funding, for basic and applied research;

*Amendment*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan, with continuity of funding, for basic and applied research, *and asks the Commission and Member States to collaborate to improve further training for specialists and workers in sustainable agriculture, and to ensure that expert consultation is available*;

Or. ro

**Amendment 235**  
**Annie Schreijer-Pierik**

**Motion for a resolution**  
**Paragraph 25**

*Motion for a resolution*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan, with continuity of funding, for basic and applied research;

*Amendment*

25. Recognises the long-term challenges associated with sustainable agriculture and ***horticulture, and*** calls on the Commission and the Member States to develop a long-term investment plan, ***assigning priority to a sectoral approach,*** with continuity of funding, for basic and applied research;

Or. nl

**Amendment 236**  
**Sofia Ribeiro**

**Motion for a resolution**  
**Paragraph 25**

*Motion for a resolution*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan, with continuity of funding, for basic and applied research;

*Amendment*

25. Recognises the long-term challenges associated with sustainable agriculture and calls on the Commission and the Member States to develop a long-term investment plan, with continuity of funding, for basic and applied research; ***considers that the plan should, in addition, be such as to be applicable to small-scale producers, rural areas, the outermost regions, and mountain regions;***

Or. pt

**Amendment 237**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 25 a (new)**

*Motion for a resolution*

*Amendment*

*25 a. Emphasizes that farmers are the major stewards of the environment in Europe and need continued access to innovation and research, enabling them to produce food, feed and other products sustainably while protecting the environment for future generations, enhancing biodiversity and ecosystem services;*

Or. en

**Amendment 238**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 25 a (new)**

*Motion for a resolution*

*Amendment*

*25 a. Calls for the agricultural sector to diversify away from high cost solutions into low cost, effective practices to ensure sustainable solutions that are less capital intensive, more cost-effective and reach the same sustainability goals;*

Or. en

**Amendment 239**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Paragraph 26**

*Motion for a resolution*

*Amendment*

*26. Welcomes the progress made in applied research in recent years, but calls for greater efforts to involve farmers and other users of agricultural technologies and products; notes that in Member States where public-private partnerships are promoted there has been a greater shift towards applied research and a higher involvement of end-users;*

*deleted*



**Amendment 240****Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos****Motion for a resolution****Paragraph 26***Motion for a resolution*

26. Welcomes the progress made in applied research in recent years, but calls for **greater efforts to involve farmers and other users of agricultural technologies and products**; notes that in Member States where public-private partnerships are promoted there has been a greater shift towards applied research and a higher involvement of end-users;

*Amendment*

26. Welcomes the progress made in applied research in recent years, but calls for **the European Innovation Partnership for competitive and sustainable agriculture, contained in the second pillar of the CAP, to be stepped up, which will make it possible to create partnerships of innovative actors, including farmers**; notes that in Member States where public-private partnerships are promoted there has been a greater shift towards applied research and a higher involvement of end-users;

Or. fr

**Amendment 241****Sofia Ribeiro****Motion for a resolution****Paragraph 26***Motion for a resolution*

26. Welcomes the progress made in applied research in recent years, but calls for greater efforts to involve farmers and other users of agricultural technologies and products; notes that in Member States where public-private partnerships are promoted there has been a greater shift towards applied research and a higher involvement of end-users;

*Amendment*

26. Welcomes the progress made in applied research in recent years, but calls for greater efforts to involve farmers and other users of agricultural technologies and products. **with particular emphasis on those who have smaller farms further away from European decision-making centres**; notes that in Member States where public-private partnerships are promoted there has been a greater shift towards applied research and a higher involvement of end-users;

**Amendment 242**

**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**

**Paragraph 26**

*Motion for a resolution*

26. Welcomes the progress made in applied research in recent years, but calls for greater efforts to involve farmers and other users of agricultural technologies and products; notes that in Member States where public-private partnerships are *promoted* there has been a greater shift towards applied research and a higher involvement of end-users;

*Amendment*

26. Welcomes the progress made in applied research in recent years, but calls for greater efforts to involve farmers and other users of agricultural technologies and products; notes that in Member States where public-private partnerships are *used intelligently* there has been a greater shift towards applied research and a higher involvement of end-users;

Or. it

**Amendment 243**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 26 a (new)**

*Motion for a resolution*

*Amendment*

***26 a. Notes that in the 7th Framework Programme for EU-funded research, funding available for agri-biotech based mainly upon chemical inputs is 426.7 million Euro or 67% of EU agricultural research spending, while organic farming techniques were only allotted 44.6 million Euro or 7% of EU agricultural research spending;***

Or. en

**Amendment 244**

**Maria Noichl**

**Motion for a resolution**  
**Paragraph 27**

*Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects which ***focus exclusively on the development of more resource-efficient crop varieties***, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

*Amendment*

27. Considers it essential for the Commission and the Member States to develop projects which ***provide trailblazing answers in this connection***, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

Or. de

**Amendment 245**  
**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

**Motion for a resolution**  
**Paragraph 27**

*Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects ***which focus exclusively on the development of*** more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

*Amendment*

27. Considers it essential for the Commission and the Member States to develop projects, ***aimed both at developing*** more resource-efficient crop varieties ***and focusing on soil improving cropping systems***, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

Or. en

**Amendment 246**  
**Clara Eugenia Aguilera García, Paolo De Castro, Nicola Caputo, Ricardo Serrão Santos**

**Motion for a resolution**  
**Paragraph 27**

*Motion for a resolution*

27. Considers it essential for the Commission and the Member States to

*Amendment*

27. Considers it essential for the Commission and the Member States to

develop projects which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

develop projects *in line with the concept of 'conservation farming'* which focus exclusively on the development of more resource-efficient crop varieties *and the conservation and improvement of soil structure*, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

Or. es

#### **Amendment 247**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

#### **Motion for a resolution**

##### **Paragraph 27**

###### *Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of more resource-efficient *crop varieties*, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

###### *Amendment*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of more resource-efficient *nutrient exchange*, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate; *research on crop nutrition approaches should focus on e.g. closed loop nutrient cycling, and fertility based on natural processes in a healthy living soil, instead of depending on inefficient artificial inputs, of which the majority are not absorbed by plants and are lost in soil and water;*

Or. en

#### **Amendment 248**

**Daniel Buda, Viorica Dăncilă**

#### **Motion for a resolution**

##### **Paragraph 27**

###### *Motion for a resolution*

###### *Amendment*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate; ***calls on the Commission to give particular priority to investment in the circular economy, with a view to making efficient use of existing resources;***

Or. ro

**Amendment 249**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 27**

*Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of ***more resource-efficient*** crop varieties, ***especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;***

*Amendment*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of ***local*** crop varieties ***and plant-breeding techniques that improve soil quality, with a view to increasing water retention and reducing dependence on external fertilisers***

Or. es

**Amendment 250**  
**Ricardo Serrão Santos, Eric Andrieu, Jean-Paul Denanot, Momchil Nekov**

**Motion for a resolution**  
**Paragraph 27**

*Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects which focus ***exclusively*** on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and

*Amendment*

27. Considers it essential for the Commission and the Member States to develop projects which focus on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and

certain key components of fertilisers such as phosphate;

certain key components of fertilisers such as phosphate, *as well as on climate-smart farming practices, with adequate funding incentives for research and uptake by farmers; the merits of aquaponics, as a system for optimized management of water, energy and nutrients, should be duly evaluated, divulged and incentivised;*

Or. en

#### **Amendment 251**

**Eric Andrieu, Jean-Paul Denanot, Ricardo Serrão Santos**

#### **Motion for a resolution**

#### **Paragraph 27**

##### *Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects *which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;*

##### *Amendment*

27. Considers it essential for the Commission and the Member States to develop *innovative projects to produce food and non-food products (bio-economy, renewable energy, etc.) and services to develop a more resource-efficient agriculture (better use of water, energy, food for crops and animals, etc.), and one which is more autonomous;*

Or. fr

#### **Amendment 252**

**Marco Zullo, Rosa D'Amato**

#### **Motion for a resolution**

#### **Paragraph 27**

##### *Motion for a resolution*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of *fertilisers such as phosphate;*

##### *Amendment*

27. Considers it essential for the Commission and the Member States to develop projects which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of *soil fertility;*

**Amendment 253**  
**John Stuart Agnew**

**Motion for a resolution**  
**Paragraph 27**

*Motion for a resolution*

27. Considers it essential for the **Commission and the** Member States to develop projects which focus exclusively on the development of more resource-efficient crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

*Amendment*

27. Considers it essential for the Member States to develop projects which focus exclusively on the development of more resource-efficient **and locally specialised** crop varieties, especially given the increasing scarcity of water availability and certain key components of fertilisers such as phosphate;

Or. en

**Amendment 254**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 27 a (new)**

*Motion for a resolution*

*Amendment*

**27 a. Calls for more research into sustainable food production systems including closed loop nutrient cycling, short feed chains, pasture based grazing, low input production and increasing input independence to reduce production costs, soil science, and non-chemical and biological control options for plant protection;**

Or. en

**Amendment 255**  
**Paul Brannen**

**Motion for a resolution**  
**Paragraph 27 a (new)**

*Motion for a resolution*

*Amendment*

***27 a. Recommends more research and promotional funding to be committed to development of various agro-ecological approaches, including agroforestry, which can deliver substantially higher yields to farmers while being considerably cheaper and more resource efficient than conventional agriculture methods;***

Or. en

**Amendment 256**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 28**

*Motion for a resolution*

*Amendment*

28. Notes that throughout much of the EU, centres for education, training and innovation in agriculture have declined or do not adequately cater for transdisciplinary approaches in emerging fields such as agricultural engineering;

28. Notes that throughout much of the EU, ***independent or publically-funded*** centres for education, training and innovation in agriculture have declined or do not adequately cater for transdisciplinary approaches in emerging fields such as agricultural engineering;

Or. en

**Amendment 257**  
**Sofia Ribeiro**

**Motion for a resolution**  
**Paragraph 28**

*Motion for a resolution*

*Amendment*

28. Notes that throughout much of the EU, centres for education, training and innovation in agriculture have declined or do not adequately cater for

28. Notes that throughout much of the EU, centres for education, training and innovation in agriculture have declined or do not adequately cater for



transdisciplinary approaches in emerging fields such as agricultural engineering;

transdisciplinary approaches in emerging fields such as agricultural engineering; *recognises that in some Member States farmers' qualifications are still limited, making access to, and the application of, new technologies more difficult, and therefore calls on the Commission to draw up a European plan for investment in technical or higher-level agricultural training and education;*

Or. pt

#### **Amendment 258**

**Ricardo Serrão Santos, Eric Andrieu, Paolo De Castro, Jean-Paul Denanot, Nicola Caputo, Tibor Szanyi, Momchil Nekov**

**Motion for a resolution  
Paragraph 28 a (new)**

*Motion for a resolution*

*Amendment*

*28 a. Welcomes the recently launched European Innovation Partnership for Agricultural productivity and Sustainability (EIP-AGRI), with the aim of linking research and practical farming, and calls on the Commission to have an active role in boosting coordination, at the national and cross-border level, in order to promote an explicit innovation agenda linked to Horizon 2020 and to guarantee the adequate transfer of knowledge towards the end users;*

Or. en

#### **Amendment 259**

**Maria Noichl**

**Motion for a resolution  
Paragraph 29**

*Motion for a resolution*

*Amendment*

*29. Encourages the Commission and the Member States to develop Trans-*

*deleted*

***European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;***

Or. de

**Amendment 260**

**Clara Eugenia Aguilera García, Paolo De Castro, Nicola Caputo, Ricardo Serrão Santos**

**Motion for a resolution**

**Paragraph 29**

*Motion for a resolution*

29. Encourages the Commission and the ***Member States*** to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

*Amendment*

29. Encourages the Commission and Member States to ***do more to raise public awareness of the value of farming in the EU, to*** develop Trans-European Centres for Agricultural Innovation that would ***demonstrate and deliver projects to bring about*** much needed progress towards food security ***and sovereignty*** and sustainability;

Or. es

**Amendment 261**

**Philippe Loiseau, Laurențiu Rebegea, Edouard Ferrand**

**Motion for a resolution**

**Paragraph 29**

*Motion for a resolution*

29. Encourages ***the Commission and the*** Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

*Amendment*

29. Encourages Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

Or. fr

**Amendment 262**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

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**Motion for a resolution**  
**Paragraph 29**

*Motion for a resolution*

29. Encourages the Commission and the Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

*Amendment*

29. Encourages the Commission and the Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability; ***the activities of these centres should be transparent and open to the general public as well as farmers, and should have a trans-sector approach, fostering dialogue between sectors that may be impacted differentially by innovation, e.g. mitigating confrontation between the arable crops sector and the beekeeping sector;***

Or. en

**Amendment 263**  
**Bronis Ropé**

**Motion for a resolution**  
**Paragraph 29**

*Motion for a resolution*

29. Encourages the Commission and the Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

*Amendment*

29. Encourages the Commission and the Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability; ***maintains that a higher proportion of EU investment should be channelled towards research in areas related to sustainable organic farming;***

Or. It

**Amendment 264**  
**John Stuart Agnew**

**Motion for a resolution**

## Paragraph 29

### *Motion for a resolution*

29. Encourages the ***Commission and the*** Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

### *Amendment*

29. Encourages the Member States to develop Trans-European Centres for Agricultural Innovation that would deliver much needed progress towards food security and sustainability;

Or. en

## Amendment 265

Anthea McIntyre

### Motion for a resolution

#### Paragraph 29 a (new)

### *Motion for a resolution*

### *Amendment*

***29 a. Enables appropriate access to innovative new technologies not only for sustainable agriculture but also sustainable rural development by working within communities, rural SMEs, co-operatives and producer organisations;***

Or. en

## Amendment 266

Sofia Ribeiro

### Motion for a resolution

#### Paragraph 29 a (new)

### *Motion for a resolution*

### *Amendment*

***29a. Urges the Commission to ensure that, alongside technological and scientific innovations, traditional techniques and farms can continue - wherever justified - to survive, given that these are an immense asset, being a source of cultural, rural, historical, and tourism diversity, and provide a livelihood for numerous European small-scale farmers in a whole variety of regions;***

**Amendment 267**

**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

**Motion for a resolution**

**Paragraph 30**

*Motion for a resolution*

30. Calls on the Member States to make better use of the financial instruments (FI) created under the joint EC-EIB Memorandum of Understanding in respect of agriculture and rural development for the period 2014-2020;

*Amendment*

30. Calls on the Member States to make better use of the financial instruments (FI) created under the joint EC-EIB Memorandum of Understanding in respect of agriculture and rural development for the period 2014-2020, ***believes however that this should not be a substitute for ensuring a viable return from the marketplace and urges the commission to address the imbalance in the food chain;***

Or. en

**Amendment 268**

**Lidia Senra Rodríguez**

**Motion for a resolution**

**Paragraph 31**

*Motion for a resolution*

31. Emphasises the added value associated with these instruments, especially in terms of leverage effects and loan guarantees aimed at boosting the implementation of the sustainable agriculture and forestry research agenda, including societal challenge 2 of Horizon 2020; ***cites, in particular, their usefulness for reducing the investment needs and risks for farmers wishing to adopt expensive PF technology and methods;***

*Amendment*

31. Emphasises the added value associated with these instruments, especially in terms of leverage effects and loan guarantees aimed at boosting the implementation of the sustainable agriculture and forestry research agenda, including societal challenge 2 of Horizon 2020;

Or. es

**Amendment 269**

**Paul Brannen**

**Motion for a resolution**

**Paragraph 32**

*Motion for a resolution*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

*Amendment*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions; ***notes that modern technologies applied in agriculture and a broader land use sector can help them contribute fairly to global climate change mitigation efforts;***

Or. en

**Amendment 270**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 32**

*Motion for a resolution*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

*Amendment*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available ***safe*** technological solutions;

Or. en

**Amendment 271**

**Luke Ming Flanagan, Stefan Eck, Anja Hazekamp**

**Motion for a resolution**

**Paragraph 32**

*Motion for a resolution*

*Amendment*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions, ***this highlights the need to broaden the definition of "productive agriculture" and to fully support and respect those farming lands which provide public goods in climate mitigation and carbon sequestration;***

Or. en

### **Amendment 272**

**Lidia Senra Rodríguez**

#### **Motion for a resolution**

#### **Paragraph 32**

##### *Motion for a resolution*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that ***agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;***

##### *Amendment*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that ***agro-ecological farming can make a major contribution to mitigating climate change;***

Or. es

### **Amendment 273**

**Momchil Nekov, Ricardo Serrão Santos**

#### **Motion for a resolution**

#### **Paragraph 32**

##### *Motion for a resolution*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

##### *Amendment*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change, ***which makes them less attractive and more exposed to trends such as depopulation and aging of their population;*** recognises that agriculture must be allowed to adapt to

meet changing circumstances using all available technological solutions;

Or. en

**Amendment 274**  
**Viorica Dăncilă**

**Motion for a resolution**  
**Paragraph 32**

*Motion for a resolution*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

*Amendment*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions ***in order to ensure that farmland is used more sustainably***;

Or. ro

**Amendment 275**  
**Bronis Ropé**

**Motion for a resolution**  
**Paragraph 32**

*Motion for a resolution*

32. Notes that rural areas, and ***in particular agriculture***, are ***most exposed*** to actual and potential climate change; ***recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions***;

*Amendment*

32. Notes that rural areas and ***the agricultural sector*** are ***not immune*** to actual and potential climate change, ***and therefore calls for efforts to be made to find sustainable, environment-friendly ways of farming, meeting the expectations of consumers and society, and for the necessary investment to be provided for that purpose, while systematically abiding, however, by the precautionary principle where genetically modified organisms are concerned***;

Or. It



**Amendment 276**  
**Sofia Ribeiro**

**Motion for a resolution**  
**Paragraph 32**

*Motion for a resolution*

32. Notes that rural areas, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

*Amendment*

32. Notes that rural areas, ***the outermost regions***, and in particular agriculture, are most exposed to actual and potential climate change; recognises that agriculture must be allowed to adapt to meet changing circumstances using all available technological solutions;

Or. pt

**Amendment 277**  
**Herbert Dorfmann**

**Motion for a resolution**  
**Paragraph 32 a (new)**

*Motion for a resolution*

*Amendment*

***32a. Regards it as essential to preserve farmland in problem areas such as mountainous and peripheral areas in the Union, too, and therefore backs all action to ensure that the mainly small-scale holdings there also have access to high tech tailored to their needs;***

Or. de

**Amendment 278**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

*Amendment*

**33. Considers it essential that emerging technologies are not stifled by unnecessary and burdensome regulation before they have a chance to deliver benefits;** *deleted*

Or. en

**Amendment 279**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

*Amendment*

**33. Considers it essential that emerging technologies are not stifled by unnecessary and burdensome regulation before they have a chance to deliver benefits;** *deleted*

Or. es

**Amendment 280**  
**Philippe Loiseau, Laurențiu Rebeca, Edouard Ferrand**

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

*Amendment*

**33. Considers it essential that emerging technologies are not stifled by unnecessary and burdensome regulation before they have a chance to deliver benefits;** *deleted*

Or. fr

**Amendment 281**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

*Amendment*

**33. Considers it essential that emerging technologies are not stifled by unnecessary and burdensome regulation before they have a chance to deliver benefits;**

**deleted**

Or. it

**Amendment 282**  
**Marijana Petir**

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

*Amendment*

33. Considers it essential that emerging technologies are not stifled by unnecessary and burdensome regulation **before** they have **a chance to deliver benefits**;

33. Considers it essential that emerging technologies are **adequately investigated, before they enter widespread use and in accordance with the precautionary principle, in terms of the possible risks that they pose to human and animal health and their impact on the environment and biodiversity, so that they are** not stifled by unnecessary and burdensome regulation **once** they have **entered use**;

Or. hr

**Amendment 283**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

*Amendment*

33. Considers it essential that emerging technologies are not stifled by unnecessary and burdensome regulation **before they have a chance** to deliver benefits;

33. Considers it essential that emerging technologies **remain in the EU**, are not stifled by unnecessary and burdensome regulation, **and are allowed to demonstrate and deliver their value and** benefits;

**Amendment 284**  
**Bronis Ropé**

**Motion for a resolution**  
**Paragraph 33**

*Motion for a resolution*

33. Considers *it essential that emerging technologies are not stifled by unnecessary and burdensome regulation before they have a chance to deliver benefits;*

*Amendment*

33. Considers *that strict but reasonable EU regulation, oriented towards consumer safety and health and environmental protection, enables EU farm produce to be competitive and attractive on the internal and world markets, and calls for that principle to continue to hold good;*

Or. It

**Amendment 285**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 33 a (new)**

*Motion for a resolution*

*33 a. Considers that in keeping with EU law and treaty obligations, it essential to protect citizens' health and the environment while considering the potential benefits of emerging technologies in a fair, open and balanced way, taking into account long term impacts and externalities, using review systems based on independent, peer-reviewed science;*

*Amendment*

Or. en

**Amendment 286**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 34**

*Motion for a resolution*

*Amendment*

**34. Notes in particular the high cost, long timescales and commercial uncertainty of bringing new technologies and products to market under current EU regulations;**

*deleted*

Or. es

**Amendment 287**  
**Philippe Loiseau, Laurențiu Rebeca, Edouard Ferrand**

**Motion for a resolution**  
**Paragraph 34**

*Motion for a resolution*

*Amendment*

**34. Notes in particular the high cost, long timescales and commercial uncertainty of bringing new technologies and products to market under current EU regulations;**

*deleted*

Or. fr

**Amendment 288**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 34**

*Motion for a resolution*

*Amendment*

34. Notes in particular **the high cost, long timescales and commercial uncertainty of bringing new technologies and products to market under current EU regulations;**

34. Notes in particular **that new technologies and products that may impact on human or animal health and/or cause environmental damage should be duly assessed before being brought to market in the EU or released into the environment;**

Or. en

**Amendment 289**  
**Sofia Ribeiro**

**Motion for a resolution**  
**Paragraph 34**

*Motion for a resolution*

34. Notes in particular the high cost, long timescales and commercial uncertainty of bringing new technologies and products to market under current EU regulations;

*Amendment*

34. Notes in particular the high cost, long timescales and commercial uncertainty of bringing new technologies and products to market under current EU regulations; ***notes that these facts are even more clearly evident in the ORs, rural areas, less favoured areas, and mountain areas;***

Or. pt

**Amendment 290**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Paragraph 34**

*Motion for a resolution*

34. Notes in particular the high cost, long timescales and commercial uncertainty of bringing new technologies and products to market under current EU regulations;

*Amendment*

34. Notes in particular the high cost, long timescales and commercial uncertainty of bringing new technologies and ***sustainable*** products to market under current EU regulations;

Or. it

**Amendment 291**  
**Momchil Nekov, Ricardo Serrão Santos**

**Motion for a resolution**  
**Paragraph 35**

*Motion for a resolution*

35. Calls on the Commission to improve its regulatory framework in line with the principles of Better Regulation to ensure

*Amendment*

35. Calls on the Commission to improve its regulatory framework in line with the principles of Better Regulation to ensure

timely, efficient and effective decision-making procedures;

timely, efficient and effective decision-making procedures, *which could contribute to geographically-balanced technological development in the EU*;

Or. en

**Amendment 292**  
**Paul Brannen**

**Motion for a resolution**  
**Paragraph 35 a (new)**

*Motion for a resolution*

*Amendment*

*35 a. Calls on the Commission to carry out Fitness Check of the CAP in order to establish whether it delivers results, including an assessment of what should be the optimal place for technology to help the CAP achieve its stated objectives;*

Or. en

**Amendment 293**  
**Philippe Loiseau, Laurențiu Rebegea, Edouard Ferrand**

**Motion for a resolution**  
**Paragraph 36**

*Motion for a resolution*

*Amendment*

*36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a regulatory framework which places greater emphasis on risk-based and scientific evidence when determining the balance between benefits and risks in the adoption of new technologies, products and practices;*

*deleted*

Or. fr

**Amendment 294**  
**Anthea McIntyre**

**Motion for a resolution**  
**Paragraph 36**

*Motion for a resolution*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a regulatory framework which places greater emphasis on risk-based and scientific evidence when determining the balance between benefits and risks in the adoption of new technologies, products and practices;

*Amendment*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a regulatory framework which places greater emphasis on risk-based and scientific evidence when determining the balance between benefits and risks in the adoption *or non-adoption* of new technologies, products and practices;

Or. en

**Amendment 295**  
**Maria Noichl**

**Motion for a resolution**  
**Paragraph 36**

*Motion for a resolution*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a regulatory framework which places greater emphasis on *risk-based and scientific evidence* when determining the balance between benefits and risks in the adoption of new technologies, products and practices;

*Amendment*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a regulatory framework which places greater emphasis on *the precautionary principle* when determining the balance between benefits and risks in the adoption of new technologies, products and practices;

Or. de

**Amendment 296**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 36**

*Motion for a resolution*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to

*Amendment*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to



***design*** a regulatory framework which places greater emphasis on ***risk-based and scientific evidence when determining the balance between benefits and risks in the adoption*** of new technologies, products and practices;

***refine*** a regulatory framework which places greater emphasis on ***independent scientific evidence when assessing risks in the adoption of new technologies, products and practices;***

***Calls on the Commission to foresee post-authorisation adapted field-based monitoring for the verification of the quality of the risk assessments*** of new technologies, products and practices;

Or. en

**Amendment 297**  
**Bronis Ropé**

**Motion for a resolution**  
**Paragraph 36**

*Motion for a resolution*

36. Calls on the Commission to ***use its new Scientific Advice Mechanism (SAM) to design a regulatory framework which places greater emphasis on risk-based and scientific evidence when determining the balance between benefits and risks in the adoption of new technologies, products and practices;***

*Amendment*

36. Calls on the Commission to ***continue to provide a strict regulatory framework, oriented towards the expectations of consumers and taxpayers and giving effect to the principle of reasonable precaution by allowing new products to enter the market once their impact on consumer health and safety and the environment has been gauged and assessed;***

Or. It

**Amendment 298**  
**Marco Zullo, Rosa D'Amato**

**Motion for a resolution**  
**Paragraph 36**

*Motion for a resolution*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a ***regulatory framework which places greater emphasis on risk-based and***  
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*Amendment*

36. Calls on the Commission to use its new Scientific Advice Mechanism (SAM) to design a risk-based, scientific ***regulatory framework for*** the adoption of new

scientific *evidence when determining the balance between benefits and risks in* the adoption of new technologies, products and practices;

technologies, products and practices;

Or. it

**Amendment 299**  
**Lidia Senra Rodríguez**

**Motion for a resolution**  
**Paragraph 37**

*Motion for a resolution*

*Amendment*

*37. Notes broad support for the adoption of the Innovation Principle, which would require EU legislative proposals to be fully assessed in terms of their impact on innovation;*

*deleted*

Or. es

**Amendment 300**  
**Philippe Loiseau, Laurențiu Rebegea, Edouard Ferrand**

**Motion for a resolution**  
**Paragraph 37**

*Motion for a resolution*

*Amendment*

*37. Notes broad support for the adoption of the Innovation Principle, which would require EU legislative proposals to be fully assessed in terms of their impact on innovation;*

*deleted*

Or. fr

**Amendment 301**  
**Molly Scott Cato**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 37**

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*Motion for a resolution*

37. **Notes broad support** for the adoption of the Innovation Principle, which would require EU legislative proposals to be fully assessed in terms of their impact on innovation;

*Amendment*

37. **Calls** for the adoption of the Innovation Principle, which would require EU legislative proposals to be fully assessed in terms of their impact on innovation **while taking note of implied costs to society as well as potential benefits and respecting the Treaty obligation to protect the health of citizens and the environment**;

Or. en

**Amendment 302**

**Molly Scott Cato**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 37 a (new)**

*Motion for a resolution*

*Amendment*

**37 a. Calls for wider economic impacts to be considered when evaluating emerging agricultural technologies, including long-standing externalities such as costs of pollution especially waterborne pollution, decreased ecosystem functioning, impacts on the renewable but finite natural resources upon which agricultural productivity is based such as biodiversity and soil, and impacts on other primary sectors, notably fisheries**

Or. en

**Amendment 303**

**Daniel Buda, Viorica Dăncilă**

**Motion for a resolution**

**Paragraph 37 a (new)**

*Motion for a resolution*

*Amendment*

**37a. Calls on the Commission to take more wide-ranging action in the field of**

*scientific cooperation at international level, also with a view to intensifying the exchange of information and identifying development opportunities;*

Or. ro

**Amendment 304**  
**Sofia Ribeiro**

**Motion for a resolution**  
**Paragraph 37 a (new)**

*Motion for a resolution*

*Amendment*

*37a. Urges the Commission to utilise and enhance all the characteristics of the ORs by carrying out pilot projects in the field of technological and scientific innovation aimed at reducing their natural disadvantages and, given their small scale, the difficulty of gaining access to and applying the latest scientific and technological developments;*

Or. pt