



**2016/2145(INI)**

25.10.2016

# **AMENDMENTS**

## **1 - 260**

**Draft report**  
**Jean-Luc Schaffhauser**  
(PE587.505v01-00)

on the European Cloud Initiative  
(2016/2145(INI))



**Amendment 1**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Citation 9**

*Motion for a resolution*

*Amendment*

— *having regard to the Presidency conclusions of the Lisbon European Council of 23/24 March 2000,* *deleted*

Or. en

**Amendment 2**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 9 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard to the European Parliament resolution of 5 May 2010 on a new Digital Agenda for Europe: 2015.eu,*

Or. en

**Amendment 3**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Citation 16 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard to the Opinion of the European Economic and Social Committee on the European Cloud initiative 2016 TEN/592,*

Or. en

**Amendment 4**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Citation 16 b (new)**

*Motion for a resolution*

*Amendment*

- *having regard to the OPINION of the Committee of the Regions on the European Cloud Initiative and ICT Standardisation Priorities for the Digital Single Market 2016 SEDEC-VI-012,*

Or. en

**Amendment 5**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Citation 17**

*Motion for a resolution*

*Amendment*

— *having regard to Articles 173, 179 and 180 of the Treaty on the Functioning of the European Union (TFEU),*

*deleted*

Or. en

**Amendment 6**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 17 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard the Commission communication of A NEW SKILLS AGENDA FOR EUROPE, Working together to strengthen human capital, employability and competitiveness COM(2016) 381,*

**Amendment 7**

**Notis Marias**

**Motion for a resolution**

**Citation 17 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard to Protocol (No 1) of the Treaty on the Functioning of the European Union (TFEU) on the role of national parliaments in the European Union,*

Or. el

**Amendment 8**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 17 b (new)**

*Motion for a resolution*

*Amendment*

- *having regard to REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation),*

Or. en

**Amendment 9**

**Notis Marias**

**Motion for a resolution**

**Citation 17 b (new)**

*Motion for a resolution*

*Amendment*

- ***having regard to Protocol (No 2) of the Treaty on the Functioning of the European Union (TFEU) on the principles of subsidiarity and proportionality,***

Or. en

**Amendment 10**

**Michał Boni, Cora van Nieuwenhuizen**

**Motion for a resolution**

**Citation 17 c (new)**

*Motion for a resolution*

*Amendment*

- ***having regard to the publication Open Innovation, Open Science, Open to the World - a vision for Europe produced by the European Commission's Directorate-General for Research & Innovation (RTD) published in May 2016,***

Or. en

**Amendment 11**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 17 d (new)**

*Motion for a resolution*

*Amendment*

- ***having regard to Directive (EU) 2016/1148 of the European Parliament and of the Council of 6 July 2016 concerning measures for a high common level of security of network and information systems across the Union,***

Or. en

**Amendment 12**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 17 e (new)**

*Motion for a resolution*

*Amendment*

- *having regard to Directive of the European Parliament and of the Council establishing the European Electronic Communications Code, COM(2016) 590 final,*

Or. en

**Amendment 13**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 17 f (new)**

*Motion for a resolution*

*Amendment*

- *having regard the Commission communication of Online Platforms and the Digital Single Market Opportunities and Challenges for Europe, COM(2016) 288/2,*

Or. en

**Amendment 14**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Citation 17 g (new)**

*Motion for a resolution*

*Amendment*

- *having regard the Commission communication of Towards a modern, more European copyright framework*

**Amendment 15**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Citation 17 h (new)**

*Motion for a resolution*

*Amendment*

- *having regard the Commission communication of ICT Standardisation Priorities for the Digital Single Market COM(2016) 176,*

**Amendment 16**

**Marisa Matias**

**Motion for a resolution**

**Recital A**

*Motion for a resolution*

*Amendment*

**A. *whereas the Commission's objectives are aligned with those of the US intelligence services<sup>7</sup>, which advocate maximum openness for world scientific data in order to maintain their leadership;***

*deleted*

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<sup>7</sup> *Report of the National Commission for the review of the research and development programs of the United States Intelligence Community – FAS 2013 – DO – FASIC2013.*



**Amendment 17**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital A**

*Motion for a resolution*

*Amendment*

**A.** *whereas the Commission's objectives are aligned with those of the US intelligence services<sup>7</sup>, which advocate maximum openness for world scientific data in order to maintain their leadership;* **deleted**

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<sup>7</sup> *Report of the National Commission for the review of the research and development programs of the United States Intelligence Community – FAS 2013 – DO – FASIC2013.*

Or. en

**Amendment 18**

**Pilar del Castillo Vera**

**Motion for a resolution**

**Recital A**

*Motion for a resolution*

*Amendment*

**A.** *whereas the Commission's objectives are aligned with those of the US intelligence services<sup>7</sup>, which advocate maximum openness for world scientific data in order to maintain their leadership;* **deleted**

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<sup>7</sup> *Report of the National Commission for the review of the research and development programs of the United States Intelligence Community – FAS 2013 – DO – FASIC2013.*

Or. en

**Amendment 19**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Recital A**

*Motion for a resolution*

*Amendment*

**A.** *whereas the Commission's objectives are aligned with those of the US intelligence services<sup>7</sup>, which advocate maximum openness for world scientific data in order to maintain their leadership;* **deleted**

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<sup>7</sup> *Report of the National Commission for the review of the research and development programs of the United States Intelligence Community – FAS 2013 – DO – FASIC2013.*

Or. en

**Amendment 20**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Recital A a (new)**

*Motion for a resolution*

*Amendment*

**Aa.** *whereas the current cloud capacity available in the EU is insufficient and data produced by EU research and industry is therefore often processed elsewhere, making EU researchers and innovators move to places outside the EU, where high data and computing capacity is more immediately available;*

Or. en

**Amendment 21**  
**Pilar del Castillo Vera**

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

*Motion for a resolution*

*Amendment*

***Aa. whereas the ability to analyse and exploit Big Data is changing the way scientific research is carried out;***

Or. en

**Amendment 22**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

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

*Motion for a resolution*

*Amendment*

***Ab. whereas the lack of a clear structure of incentives to share data, the lack of interoperability of scientific data systems and the fragmentation of scientific data infrastructures across disciplines and borders hamper the full potential of data-driven science';***

Or. en

**Amendment 23**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

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

*Motion for a resolution*

*Amendment*

***Ac. whereas the EU is lagging behind on the development of HPC due to its under-investment in establishing a complete HPC system, when countries like the US, China, Japan and Russia are***

*seriously investing in such systems,  
making them a strategic priority with  
national programmes to develop them;*

Or. en

**Amendment 24**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Recital A d (new)**

*Motion for a resolution*

*Amendment*

*Ad. whereas the full potential of cloud computing for Europe can only be realised when data can flow freely across the Union with clear rules and international data flows play an increasingly important role in the European and global economy;*

Or. en

**Amendment 25**

**Pilar del Castillo Vera**

**Motion for a resolution**

**Recital B**

*Motion for a resolution*

*Amendment*

*B. whereas the bulk of the work produced and published in Europe by scientists exceeds the capacity of peer validation, which prevents an assessment of its strategic importance;*

*deleted*

Or. en

**Amendment 26**

**Marisa Matias**

**Motion for a resolution**

**Recital B**

*Motion for a resolution*

*Amendment*

**B.** *whereas the bulk of the work produced and published in Europe by scientists exceeds the capacity of peer validation, which prevents an assessment of its strategic importance;*

*deleted*

Or. en

**Amendment 27**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital B**

*Motion for a resolution*

*Amendment*

**B.** *whereas the bulk of the work produced and published in Europe by scientists exceeds the capacity of peer validation, which prevents an assessment of its strategic importance;*

*deleted*

Or. en

**Amendment 28**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Recital B**

*Motion for a resolution*

*Amendment*

**B.** *whereas the bulk of the work produced and published in Europe by scientists exceeds the capacity of peer validation, which prevents an assessment of its strategic importance;*

*deleted*

Or. en

**Amendment 29**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Recital B a (new)**

*Motion for a resolution*

*Amendment*

***Ba. whereas the Commission Communication entitled 'European Cloud Initiative – Building a competitive data and knowledge economy in Europe' recognise the transformative potential of open science and cloud computing as part of Europe's digital economy;***

Or. en

**Amendment 30**

**Pilar del Castillo Vera**

**Motion for a resolution**

**Recital B a (new)**

*Motion for a resolution*

*Amendment*

***Ba. whereas access policies for networking, data storage and computing differ amongst Member States creating silos and slowing down the circulation of knowledge;***

Or. en

**Amendment 31**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital C**

*Motion for a resolution*

*Amendment*

**C.** *whereas the registration systems for authors and scientific publications (the ORCID<sup>8</sup> and DOI<sup>9</sup> systems) are subject to the jurisdiction of the State of Delaware;* **deleted**

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<sup>8</sup> *Open Researcher and Contributor ID.*

<sup>9</sup> *Digital Object Identifier.*

Or. en

### **Amendment 32**

**Marisa Matias**

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

##### **Recital C**

*Motion for a resolution*

*Amendment*

**C.** *whereas the registration systems for authors and scientific publications (the ORCID<sup>8</sup> and DOI<sup>9</sup> systems) are subject to the jurisdiction of the State of Delaware;* **deleted**

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<sup>8</sup> *Open Researcher and Contributor ID.*

<sup>9</sup> *Digital Object Identifier.*

Or. en

### **Amendment 33**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

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

##### **Recital C**

*Motion for a resolution*

*Amendment*

**C.** *whereas the registration systems for authors and scientific publications* **deleted**

*(the ORCID<sup>8</sup> and DOI<sup>9</sup> systems) are subject to the jurisdiction of the State of Delaware;*

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<sup>8</sup> *Open Researcher and Contributor ID.*

<sup>9</sup> *Digital Object Identifier.*

Or. en

#### **Amendment 34**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

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

#### **Recital C a (new)**

*Motion for a resolution*

*Amendment*

***Ca. whereas the General Data Protection Regulation, NIS Directive, and Digital Single Market Strategy can provide the basis for a competitive and thriving European digital economy open to all market players who abide by the rules;***

Or. en

#### **Amendment 35**

**Marisa Matias**

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

#### **Recital D**

*Motion for a resolution*

*Amendment*

***D. whereas the GEANT network already connects national research networks, but with a cloud service which includes Amazon Web Service<sup>10</sup> ;*** *deleted*

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<sup>10</sup> [https://ec.europa.eu/digital-single-market/en/news/geant-and-amazon-web-services-are-breaking-down-barriers-](https://ec.europa.eu/digital-single-market/en/news/geant-and-amazon-web-services-are-breaking-down-barriers)



**Amendment 36**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Recital D**

*Motion for a resolution*

*Amendment*

**D.** *whereas the GEANT network already connects national research networks, but with a cloud service which includes Amazon Web Service<sup>10</sup> ;* **deleted**

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<sup>10</sup> <https://ec.europa.eu/digital-single-market/en/news/geant-and-amazon-web-services-are-breaking-down-barriers-cloud-services-adoption>

**Amendment 37**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital D**

*Motion for a resolution*

*Amendment*

**D.** *whereas the GEANT network already connects national research networks, but with a cloud service which includes Amazon Web Service<sup>10</sup> ;* **deleted**

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<sup>10</sup> <https://ec.europa.eu/digital-single-market/en/news/geant-and-amazon-web-services-are-breaking-down-barriers-cloud-services-adoption>

**Amendment 38**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Recital D a (new)**

*Motion for a resolution*

*Amendment*

*Da. whereas data are the raw material of the digital economy and whereas the use of data is essential for the digitization of European science and industry and the development of new technologies and the creation of new jobs;*

Or. en

**Amendment 39**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Recital E**

*Motion for a resolution*

*Amendment*

*E. whereas the other powers have a digital strategy of limited access to their data; and China requires every cloud operator to have a minimum of 50% of Chinese capital;*

*deleted*

Or. en

**Amendment 40**

**Marisa Matias**

**Motion for a resolution**

**Recital E**

*Motion for a resolution*

*Amendment*

**E.** *whereas the other powers have a digital strategy of limited access to their data; and China requires every cloud operator to have a minimum of 50% of Chinese capital;*

*deleted*

Or. en

#### **Amendment 41**

**Michel Reimon**

on behalf of the Verts/ALE Group

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

##### **Recital E**

*Motion for a resolution*

*Amendment*

**E.** *whereas the other powers have a digital strategy of limited access to their data; and China requires every cloud operator to have a minimum of 50% of Chinese capital;*

*deleted*

Or. en

#### **Amendment 42**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

##### **Recital E a (new)**

*Motion for a resolution*

*Amendment*

**Ea.** *whereas the recently adopted General Data Protection Regulation provides strong safeguards for personal data protection and harmonised approach to its implementation should be ensured;*

Or. en

**Amendment 43**

**Marisa Matias**

**Motion for a resolution**

**Recital F**

*Motion for a resolution*

*Amendment*

**F. *whereas High Performance Computing (HPC) is a niche market worth about \$ 15 billion a year, compared to \$ 350 billion for semiconductors and over \$ 400 billion for software;*** *deleted*

Or. en

**Amendment 44**

**Michał Boni, Cora van Nieuwenhuizen, Ashley Fox, Dan Nica**

**Motion for a resolution**

**Recital F**

*Motion for a resolution*

*Amendment*

**F. *whereas High Performance Computing (HPC) is a niche market worth about \$ 15 billion a year, compared to \$ 350 billion for semiconductors and over \$ 400 billion for software;*** *deleted*

Or. en

**Amendment 45**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital F**

*Motion for a resolution*

*Amendment*

**F. *whereas High Performance Computing (HPC) is a niche market worth about \$ 15 billion a year, compared to \$ 350 billion for semiconductors and*** *deleted*

*over \$ 400 billion for software;*

Or. en

**Amendment 46**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Recital F a (new)**

*Motion for a resolution*

*Amendment*

*Fa. whereas the European Commission's 2015 Digital Single Market Strategy promised to tackle restrictions on the free movement of data and unjustified restrictions on the location of data for storage or processing;*

Or. en

**Amendment 47**

**Michał Boni, Cora van Nieuwenhuizen, Ashley Fox, Dan Nica**

**Motion for a resolution**

**Recital G**

*Motion for a resolution*

*Amendment*

*G. whereas the Commission failed to consult the only European producer of microprocessors, the fifth largest worldwide, or Europe's largest cloud computing company, although it did consult their non-European rivals;* *deleted*

Or. en

**Amendment 48**

**Marisa Matias**

**Motion for a resolution**

**Recital G**

*Motion for a resolution*

*Amendment*

**G.** *whereas the Commission failed to consult the only European producer of microprocessors, the fifth largest worldwide, or Europe's largest cloud computing company, although it did consult their non-European rivals;* **deleted**

Or. en

**Amendment 49**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital G**

*Motion for a resolution*

*Amendment*

**G.** *whereas the Commission failed to consult the only European producer of microprocessors, the fifth largest worldwide, or Europe's largest cloud computing company, although it did consult their non-European rivals;* **deleted**

Or. en

**Amendment 50**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Recital G a (new)**

*Motion for a resolution*

*Amendment*

**Ga.** *whereas it is necessary for the Commission to bring forward firm proposals to remove restrictions on the free movement of data to create and deliver the best possible Digital Single Market;*

**Amendment 51**

**Marisa Matias**

**Motion for a resolution**

**Recital H**

*Motion for a resolution*

*Amendment*

**H.** *whereas the free Linux software would not only produce tens of billions of euros in savings, but also allow the European digital sector to play a leading role, but this is not a priority for the Commission;* **deleted**

**Amendment 52**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Recital H**

*Motion for a resolution*

*Amendment*

**H.** *whereas the free Linux software would not only produce tens of billions of euros in savings, but also allow the European digital sector to play a leading role, but this is not a priority for the Commission;* **deleted**

**Amendment 53**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital H**

*Motion for a resolution*

*Amendment*

**H.** *whereas the free Linux software would not only produce tens of billions of euros in savings, but also allow the European digital sector to play a leading role, but this is not a priority for the Commission;*

*deleted*

Or. en

#### **Amendment 54**

**David Borrelli, Dario Tamburrano**

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

##### **Recital H**

*Motion for a resolution*

*Amendment*

**H.** *whereas the free Linux software would not only produce tens of billions of euros in savings, but also allow the European digital sector to play a leading role, but this is not a priority for the Commission;*

**H.** *whereas the public support to open software has the potential to produce significant savings, to enhance innovation and to reduce dependence-related risks;*

Or. en

#### **Amendment 55**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

##### **Recital H a (new)**

*Motion for a resolution*

*Amendment*

**Ha.** *whereas the deployment and development of cloud services are confronted with challenges given the insufficient availability of necessary high speed infrastructure and networks in Europe;*

Or. en



**Amendment 56**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Recital I**

*Motion for a resolution*

*Amendment*

***I. whereas the Commission calls any company with a European subsidiary a 'European company'; and that erroneous designation means that it supports foreign companies engaged in lobbying while neglecting European companies;*** ***deleted***

Or. en

**Amendment 57**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Recital I**

*Motion for a resolution*

*Amendment*

***I. whereas the Commission calls any company with a European subsidiary a 'European company'; and that erroneous designation means that it supports foreign companies engaged in lobbying while neglecting European companies;*** ***deleted***

Or. en

**Amendment 58**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Recital I**

*Motion for a resolution*

I. whereas *the Commission calls any company with a European subsidiary a 'European company'; and that erroneous designation means that it supports foreign companies engaged in lobbying while neglecting European companies;*

*Amendment*

I. whereas *current trends in globalized markets have produced, among other results, an intensive presence throughout the world of local subsidiaries of foreign companies, and accordingly the Commission must develop and apply criteria that allow to consider as priority stakeholders those companies who have been born in Europe and keep their major interests in the territory of the Union, insofar their views shall be of key importance to shape policy formation at all stages of the policy cycle;*

Or. en

**Amendment 59**  
**Gunnar Hökmark**

**Motion for a resolution**  
**Recital I**

*Motion for a resolution*

I. whereas the *Commission calls any company with a European subsidiary a 'European company'; and that erroneous designation means that it supports foreign companies engaged in lobbying while neglecting European companies;*

*Amendment*

I. whereas the *demand for big scale e-infrastructure is expected to rise as the digital economy is increasingly defining the competitiveness of European economies;*

Or. en

**Amendment 60**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

*Ia. whereas the aim to facilitate and*

*Amendment*

*support the implementation and long-term sustainability of the research and data infrastructures, including world-class High Performance Computing Centers and other research infrastructure networks, will help respond to grand challenges in science, industry and society due to intensified cooperation and exchange of results;*

Or. en

**Amendment 61**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Recital I b (new)**

*Motion for a resolution*

*Amendment*

*Ib. whereas the volume of data is growing at unprecedented pace, there will be 16 trillion gigabyte of data by 2020, corresponding to an annual growth rate of 236% in data generation;*

Or. en

**Amendment 62**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Recital I c (new)**

*Motion for a resolution*

*Amendment*

*Ic. whereas a data driven economy depends on a wider ICT ecosystem to succeed, including IoT for sourcing, high speed broadband networks for transporting and cloud computing for processing data as well as skilled scientists and employees;*

Or. en

**Amendment 63**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 1**

*Motion for a resolution*

*Amendment*

**1. *Rejects the Commission communication entitled ‘European Cloud Initiative – Building a competitive data and knowledge economy in Europe’,***

*deleted*

Or. en

**Amendment 64**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 1**

*Motion for a resolution*

*Amendment*

**1. *Rejects the Commission communication entitled ‘European Cloud Initiative – Building a competitive data and knowledge economy in Europe’,***

*deleted*

Or. en

**Amendment 65**

**Gunnar Hökmark**

**Motion for a resolution**

**Paragraph 1**

*Motion for a resolution*

*Amendment*

**1. *Rejects* the Commission communication entitled ‘European Cloud Initiative – Building a competitive data and knowledge economy in Europe’,**

**1. *Welcomes* the Commission communication entitled ‘European Cloud Initiative – Building a competitive data and knowledge economy in Europe’;**

*underlines, however, that a European Cloud can only be effective if built on existing infrastructure, taking into account innovative solutions already found within the R&D community;*

Or. en

**Amendment 66**  
**Marisa Matias**

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

*Motion for a resolution*

1. *Rejects* the Commission communication entitled ‘European Cloud Initiative – Building a competitive data and knowledge economy in Europe’,

*Amendment*

1. *Welcomes* the Commission communication entitled ‘European Cloud Initiative – Building a competitive data and knowledge economy in Europe’,

Or. en

**Amendment 67**  
**Gunnar Hökmark**

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

*Motion for a resolution*

*Amendment*

*Underlines the importance of making Europe a centre for global research, gaining critical mass and creating clusters of excellence; stresses, that in order for Europe to attract world leading research, both capacity in terms of resources and an attractive environment is required; furthermore, highlights that in order for Europe to become the most competitive knowledge based economy in the world, openness towards international researchers, thereby attracting international investments, is of utmost importance;*

**Amendment 68**

**Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Pavel Telička**

**Motion for a resolution**

**Paragraph 1 a (new)**

*Motion for a resolution*

*Amendment*

***1a. Stresses that work on standardisation in cloud computing should be accelerated; emphasizes that better standards and interoperability will enable communication between different cloud-based systems and will avoid vendor lock-in effects for cloud products and services; calls on the Commission to cooperate closely with commercial cloud providers in developing open standards for this domain;***

Or. en

**Amendment 69**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 1 a (new)**

*Motion for a resolution*

*Amendment*

***1a. Welcomes the Commission communication entitled 'European Cloud Initiative – Building a competitive data and knowledge economy in Europe' and believe that this is the first step in setting the proper basis for open and competitive European actions in the field of cloud computing and high performance computing.***

Or. en

**Amendment 70**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 1 a (new)**

*Motion for a resolution*

*Amendment*

*1a. Welcomes the European Open Science Cloud as a model for the use of a cloud in the private and public sectors; welcomes the Commission's plan to extend the user base over time to the industry and to governments as fast as possible;*

Or. en

**Amendment 71**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 1 a (new)**

*Motion for a resolution*

*Amendment*

*1a. Stresses that the added value of this European initiative is based on the sharing of open data, developing a trusted, open environment for the community for storing, sharing and re-using scientific data and results.*

Or. en

**Amendment 72**

**Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Pavel Telička**

**Motion for a resolution**

**Paragraph 1 b (new)**

*Motion for a resolution*

*Amendment*

***1b. Stresses that creating more awareness of the benefits of cloud computing is crucial, as demand for cloud services is still too low in Europe; points out that cloud computing will lead to economic growth as a result of its cost-efficiency and scalability; reiterates that SMEs are Europe's most important engine for jobs and growth; underlines that cloud benefits can be particularly substantive for SMEs as they frequently lack the resources to invest in extensive on-site physical IT systems;***

Or. en

**Amendment 73**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 1 b (new)**

*Motion for a resolution*

*Amendment*

***1b. Highlights that the European Open Science Cloud should be available for free for the use of the academic and scientific community, industries and SMEs, as well as public services, providing them the access to the resources, data and infrastructures which would be impossible to have access without this collaborative approach;***

Or. en

**Amendment 74**

**Cora van Nieuwenhuizen, Angelika Mlinar, Pavel Telička**

**Motion for a resolution**

**Paragraph 1 c (new)**



*Motion for a resolution*

*Amendment*

***1c. Emphasizes that the European Open Science Cloud should be accompanied by a comprehensive cyber security strategy, because the scientific community has a need for a reliable data infrastructure that can be used without exposing research work to data loss, corruption or intrusion; calls on the Commission to take into account cyber security issues from the very first stage of all its IT initiatives;***

Or. en

**Amendment 75**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 1 c (new)**

*Motion for a resolution*

*Amendment*

***1c. Urges the Commission to lead by example and make all the research data and its results, funded by European Programmes, such as Horizon 2020, EFSI, ESI and others to be open by default, based on the findable, accessible, interoperable and reusable (FAIR) principles***

Or. en

**Amendment 76**

**Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Pavel Telička**

**Motion for a resolution**

**Paragraph 1 d (new)**

*Motion for a resolution*

*Amendment*

***1d. Is concerned by the 4.7 billion***

*Euro financing gap of the European Cloud Initiative; calls on the Commission to identify appropriate financing mechanisms for the European Open Science Cloud and the European Data Infrastructure; further calls on the Commission to provide sufficient resources for this policy area in Horizon 2020 and in its proposal for the Ninth Framework Programme;*

Or. en

**Amendment 77**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

*1d. Recommends the Commission to ensure that the European Open Science Cloud to benefits all regions of Europe, exploring the use of regional development funds for the widening of the initiative*

Or. en

**Amendment 78**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

*1e. Takes note of the Commission intention to use the European Open Science Cloud and the European Data Infrastructure as stimulus for the development of industrial clouds, innovation centres, start-up ecosystems and enhanced cooperation between universities and industry. Stresses that*

*this goal is only achievable if efforts are made for the "democratisation" of all the Infrastructures, such as HPC (High Performance Computer), making it a public good putting the data and computing within the reach of business, SMEs and researchers;*

Or. en

#### **Amendment 79**

**Cora van Nieuwenhuizen, Kaja Kallas, Angelika Mlinar, Pavel Telička**

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

##### **Paragraph 1 e (new)**

*Motion for a resolution*

*Amendment*

*1e. Believes that the private sector should be involved in the user base of the European Open Science Cloud from the beginning, for example through offering Software as a Service (SaaS); points out that European business is expected to contribute to closing the 4.7 billion Euro financing gap of the European Cloud Initiative; notes that it is unlikely that businesses will invest in the programme if they will be unable to reap its benefits as well;*

Or. en

#### **Amendment 80**

**Cora van Nieuwenhuizen, Angelika Mlinar, Pavel Telička**

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

##### **Paragraph 1 f (new)**

*Motion for a resolution*

*Amendment*

*1f. Underlines that a state-of-the-art supercomputing infrastructure is crucial for the EU's competitiveness; calls on the Commission to realise the availability of*

*operational exascale computers in Europe  
by the year 2022;*

Or. en

**Amendment 81**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

*If. Calls on the Commission to incentivize the participation of European SMEs and Industries in the manufacturing of the hardware and software of the European Data Infrastructure, boosting the European economy, sustainable growth and job creation;*

Or. en

**Amendment 82**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

*Ig. Reiterates that the participation of the European SMEs, Industries, Public and Academic Sector will ensure the compliance with the European Regulations related with General data protection, Labour conditions and high environmental standards;*

Or. en

**Amendment 83**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

*1h. Invites the Commission to engage with Member States and with other research funders in the design and implementation of the Roadmap for governance and funding, ensuring that appropriate resources are allocated to the initiative and to facilitate the coordination of national efforts, avoiding unnecessary duplication and spending;*

Or. en

**Amendment 84**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

*1i. Supports that interoperability and data portability is a key player to address grand societal challenges that require efficient data sharing and a multidisciplinary and multi actor approach. Notes that the Action Plan foreseen in the Communication is a tool necessary to reduce fragmentation and to ensure the use of the researcher's data under the FAIR principle;*

Or. en

**Amendment 85**  
**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

***1j. Asks the Commission to present an Action Plan, based on the principles of full transparency and disclosure, with clear working packages and timelines, defining the results to be achieved, the sources of financing and the stakeholders involved in all the process;***

Or. en

**Amendment 86**  
**Marisa Matias**

**Motion for a resolution**  
**Paragraph 2**

*Motion for a resolution*

*Amendment*

***2. Invalidates and wishes to review its previous resolutions based on a biased analysis of open mass data, motivated by the interests of non-European powers;***      ***deleted***

Or. en

**Amendment 87**  
**Michel Reimon**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Paragraph 2**

*Motion for a resolution*

*Amendment*

***2. Invalidates and wishes to review its previous resolutions based on a biased analysis of open mass data, motivated by the interests of non-European powers;***      ***deleted***

Or. en

## Amendment 88

Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox

### Motion for a resolution

#### Paragraph 2

*Motion for a resolution*

2. *Invalidates and wishes to review its previous resolutions based on a biased analysis of open mass data, motivated by the interests of non-European powers;*

*Amendment*

*deleted*

Or. en

## Amendment 89

Notis Marias

### Motion for a resolution

#### Paragraph 2

*Motion for a resolution*

2. Invalidates and wishes to review its previous resolutions based on a biased analysis of open mass data, motivated by the interests of non-European powers;·

*Amendment*

2. Invalidates and wishes to review its previous resolutions based on a biased analysis of open mass data, motivated by the interests of non-European powers ***and compromising the protection of personal and sensitive data;***·

Or. el

## Amendment 90

Gunnar Hökmark

### Motion for a resolution

#### Paragraph 2

*Motion for a resolution*

2. *Invalidates and wishes to review its previous resolutions based on a biased analysis of open mass data, motivated by*

*Amendment*

2. ***Believes that a European Cloud, if effectively implemented and built on existing infrastructure, holds the potential***

*the interests of non-European powers;*

*to boost European competitiveness,  
research and innovation,*

Or. en

**Amendment 91**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 2 a (new)**

*Motion for a resolution*

*Amendment*

**2a. Calls on the Commission to develop a European 'digital new deal' including the allocation of adequate resources at national and EU level in order to boost IT industry in general and cloud computing in particular, and allow European companies to exploit the EU privacy competitive advantage;**

Or. en

**Amendment 92**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 2 a (new)**

*Motion for a resolution*

*Amendment*

**2a. Believes that the European Cloud Initiative ensures investments into the science and research sectors in order to create the incentives and tools to share and use data as widely as possible, underpinned by building a strong cloud and data infrastructure in Europe;**

Or. en



**Amendment 93**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 3**

*Motion for a resolution*

*Amendment*

3. *Believes that a digital company may be considered European only if its registered office and its main decision-taking centres, R & D centres and manufacturing sites are on European territory and if it is controlled by European capital and subject to the consolidated tax on European territory;* *deleted*

Or. en

**Amendment 94**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 3**

*Motion for a resolution*

*Amendment*

3. *Believes that a digital company may be considered European only if its registered office and its main decision-taking centres, R & D centres and manufacturing sites are on European territory and if it is controlled by European capital and subject to the consolidated tax on European territory;* *deleted*

Or. en

**Amendment 95**

**Gunnar Hökmark**

**Motion for a resolution**

**Paragraph 3**

*Motion for a resolution*

3. Believes that *a digital company may be considered European only if its registered office and its main decision-taking centres, R & D centres and manufacturing sites are on European territory and if it is controlled by European capital and subject to the consolidated tax on European territory;*

*Amendment*

3. Believes that *the launch of 5G, the normalisation of the digital economy and high speed connectivity throughout Europe will put the access of data and Open Science at the centre stage of R&D; emphasises, therefore, the importance of building on existing infrastructure and to consult all relevant stakeholders in an effort to identifying best practice in terms of cost-effectiveness;*

Or. en

**Amendment 96**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 3**

*Motion for a resolution*

3. Believes that a digital *company may be considered European only if its registered office and its main decision-taking centres, R & D centres and manufacturing sites are on European territory and if it is controlled by European capital and subject to the consolidated tax on European territory;*

*Amendment*

3. Believes that a digital *stakeholder should be granted listening priority for the sake of formation of EU policies on condition that it can be demonstrated, through objective indicators available to the public, that its main interest centres are located in the Union;*

Or. en

**Amendment 97**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 3 a (new)**

*Motion for a resolution*

**3a. Strongly suggests that such objective indicators take into**

*Amendment*

*consideration a comprehensive array of factors, including legal registration, procedures for adoption of strategic decisions, shareholders' composition, fiscal residence, physical location of a majority of its workforce and, as applicable in each case, the main location of research, development, manufacturing and service activities;*

Or. en

**Amendment 98**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

*Amendment*

**3a. Highlights that SMEs are at the heart of the EU's economy and that more actions are needed to promote global competitiveness of SMEs and Start-ups to set the best possible environment with high quality data, data analytics, secure services and expected cost efficiency for the uptake of new promising technological developments;**

Or. en

**Amendment 99**

**Michel Reimon**

on behalf of the Verts/ALE Group

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

*Motion for a resolution*

*Amendment*

**3a. Calls on the Commission to set economically viable basis for a European Cloud and take clear steps to encourage SMEs to offer competitive solutions for**

*data processing and storage, in facilities  
based in Member States;*

Or. en

**Amendment 100**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 4**

*Motion for a resolution*

*Amendment*

**4. Asks the Commission and the Council to reorient EU policies to concentrate support on European digital companies with high added value;** *deleted*

Or. en

**Amendment 101**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 4**

*Motion for a resolution*

*Amendment*

**4. Asks the Commission and the Council to reorient EU policies to concentrate support on European digital companies with high added value;** *deleted*

Or. en

**Amendment 102**

**Gunnar Hökmark**

**Motion for a resolution**

**Paragraph 4**

*Motion for a resolution*

4. *Asks the Commission and the Council to reorient EU policies to concentrate support on European digital companies with high added value;*

*Amendment*

4. *Considers the existing Horizon 2020 budget, together with national efforts, to be the best source of funding for a European Cloud;*

Or. en

**Amendment 103**

**Esther de Lange**

**Motion for a resolution**

**Paragraph 4 a (new)**

*Motion for a resolution*

*4a. Stresses that access to broadband internet for businesses and citizens is an indispensable element of a competitive data and knowledge economy in Europe. Believes in this regard that the development of the Cloud should go hand in hand with initiatives that increase access to broadband internet for businesses and citizens, especially in rural areas;*

Or. en

**Amendment 104**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 a (new)**

*Motion for a resolution*

*4a. Notes that the uptake of cloud services among European SMEs needs to be further encouraged; notes that European Cloud providers need further coordinated support addressing the participation in Digital World, widening*

*Amendment*

*trust on user side and raising awareness  
on the benefits of cloud adoption;*

Or. en

**Amendment 105**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 4 a (new)**

*Motion for a resolution*

*Amendment*

**4a.** *Considers that in creating new elements of the cloud infrastructure, the data centre's energy efficiency and resource efficiency should be a primary goal. Calls for binding measures to encourage the use of renewable energy systems for such facilities, including for cooling.*

Or. en

**Amendment 106**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 b (new)**

*Motion for a resolution*

*Amendment*

**4b.** *Notes that digital education actions across generations, including cyber skills are critical for cloud development to identify and act on top technical and effectiveness skills gaps to achieve digital goals; welcomes the Commission's proposals within the framework of its recently adopted New Skills Agenda for Europe and underlines the need for proper financial resources;*

Or. en

**Amendment 107**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 c (new)**

*Motion for a resolution*

*Amendment*

**4c. Believes that Cloud start-ups are emerging with niche solutions to make cloud computing faster, easier, more reliable, flexible and secure;**

Or. en

**Amendment 108**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 4 d (new)**

*Motion for a resolution*

*Amendment*

**4d. Stresses that High Performance Computing, which is important for cloud development, should be treated as an integral part of the European Data Infrastructure across the whole ecosystem and the benefits should be promoted widely;**

Or. en

**Amendment 109**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 e (new)**

*Motion for a resolution*

*Amendment*

**4e. Notes that involvement of Academia, Research and Universities and**

*all stakeholders should be encouraged in order to maintain and support integrated scientific data infrastructures and High Performance Computing;*

Or. en

**Amendment 110**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 4 f (new)**

*Motion for a resolution*

*Amendment*

*4f. Notes that with the existing and upcoming offered services from private sector and countries outside the EU, the European Open Science Cloud needs to provide incentives and services to break a long-formed habit and existing research practices;*

Or. en

**Amendment 111**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 g (new)**

*Motion for a resolution*

*Amendment*

*4g. Calls on the Commission and Member States to ensure that there is a focus on future-oriented European growth in order to build a competitive cloud industry in Europe; emphasises the importance of ensuring that the market demand for cloud solutions continues to increase and cloud adoption is encouraged in vertical industries like finance, taxation and social security, manufacturing, banking, health, media and entertainment, agriculture;*



**Amendment 112**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 4 h (new)**

*Motion for a resolution*

*Amendment*

**4h. Believes that the GDPR provides a framework for the protection of personal data, notes however that fragmentation in its implementation across Member States would make it more difficult for researchers to carry out their work and share their findings which will undermined efforts at creating cooperation between researchers enabled by cloud computing; calls for its proper implementation and enforcement;**

Or. en

**Amendment 113**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 i (new)**

*Motion for a resolution*

*Amendment*

**4i. Stresses that solutions under the European Cloud Initiative should be developed with due regard for the fundamental rights enshrined in the Charter of Fundamental Rights, in particular the rights of data protection, privacy, liberty and security;**

Or. en

**Amendment 114**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 j (new)**

*Motion for a resolution*

*Amendment*

***4j. Notes that the data economy is still in its very early stages, business models are still in development and those that exist are already being disrupted and evolving. Calls on the Commission to ensure that any legislation in this field will be in line with the technology-neutral 'innovation principle' and will not impose serious hurdles to innovation, the digitization of industry, and the development of new technologies such as IoT and AI in Europe.***

Or. en

**Amendment 115**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 4 k (new)**

*Motion for a resolution*

*Amendment*

***4k. Calls on the Commission to work with Member States and all stakeholders to participate in identifying the necessary implementing actions in order to maximise the potential offered by the European Cloud Initiative; Believes that Open Innovation and Open Science involve far more actors in the innovation process, from researchers, to entrepreneurs, to users, to governments and civil society;***

Or. en

**Amendment 116**  
**Michal Boni, Cora van Nieuwenhuizen, Dan Nica**

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

*Motion for a resolution*

*Amendment*

Open science

*The open science cloud*

Or. en

**Amendment 117**  
**Michel Reimon**  
on behalf of the Verts/ALE Group

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

*Motion for a resolution*

*Amendment*

**5. Recalls that data are the raw material of the digital economy and play a fundamental role in the added value chain; stresses that storing or processing data outside Europe is tantamount to killing off Europe's digital economy; demands that the storage, exploitation and use optimisation of data be carried out by European companies on the territory of the Union;**

*deleted*

Or. en

**Amendment 118**  
**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

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

*Motion for a resolution*

*Amendment*

**5. Recalls that data are the raw material of the digital economy and play a fundamental role in the added value**

*deleted*

*chain; stresses that storing or processing data outside Europe is tantamount to killing off Europe's digital economy; demands that the storage, exploitation and use optimisation of data be carried out by European companies on the territory of the Union;*

Or. en

**Amendment 119**  
**David Borrelli, Dario Tamburrano**

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

*Motion for a resolution*

5. Recalls that data *are the raw* material of the digital economy *and* play a fundamental role in the added value chain; stresses that storing or processing data *outside Europe is tantamount to killing off Europe's digital economy; demands that the storage, exploitation and use optimisation of data be carried out by European companies on the territory of the Union;*

*Amendment*

5. Recalls that data, *including metadata, are both a key material and an essential asset* of the digital economy, *and that they* play a fundamental role in the added value chain; stresses that *the strategic implications of transmitting, storing or processing data, including metadata, outside the territory of the Union must be carefully assessed, with the help of a risk assessment methodology developed with the contribution of all major EU digital stakeholders;*

Or. en

**Amendment 120**  
**Notis Marias**

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

*Motion for a resolution*

5. Recalls that data are the raw material of the digital economy and play a fundamental role in the added value chain; stresses that storing or processing data

*Amendment*

5. Recalls that data are the raw material of the digital economy and play a fundamental role in the added value chain; stresses that storing or processing data

outside Europe is tantamount to killing off Europe's digital economy; demands that the storage, exploitation and use optimisation of data be carried out by European companies on the territory of the Union; ·

outside Europe is tantamount to killing off Europe's digital economy; demands that the storage, exploitation and use optimisation of data be carried out by European companies on the territory of the Union *and in compliance with the relevant national legislation*; ·

Or. el

#### **Amendment 121**

**Michel Reimon**

on behalf of the Verts/ALE Group

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

##### **Paragraph 5 a (new)**

*Motion for a resolution*

*Amendment*

**5a. Considers the active involvement of the opens science and citizen science communities as indispensable when establishing the governance of the European Science Cloud, and assesses the steps taken by the Commission as not fully responding to this requirement;**

Or. en

#### **Amendment 122**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

##### **Paragraph 5 a (new)**

*Motion for a resolution*

*Amendment*

**5a. Stresses that the Open Science Cloud Initiative should lead to a trusted cloud for all: scientists, business and public services;**

Or. en

**Amendment 123**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 6**

*Motion for a resolution*

*Amendment*

**6. Proposes that the governance of ORCID and DOI be under European jurisdiction with regard to European scientists and their work;** *deleted*

Or. en

**Amendment 124**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 6**

*Motion for a resolution*

*Amendment*

**6. Proposes that the governance of ORCID and DOI be under European jurisdiction with regard to European scientists and their work;** *deleted*

Or. en

**Amendment 125**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 6**

*Motion for a resolution*

*Amendment*

**6. Proposes that the governance of ORCID and DOI be under European jurisdiction with regard to European scientists and their work;** *deleted*

Or. en

**Amendment 126**  
**David Borrelli, Dario Tamburrano**

**Motion for a resolution**  
**Paragraph 6**

*Motion for a resolution*

6. *Proposes that the governance of ORCID and DOI be under European jurisdiction with regard to European scientists and their work;*

*Amendment*

6. *Calls on the Commission to study and propose for their adoption an array of legal acts that guarantee that data-sharing mechanisms regarding the work of EU research institutions and their scientists stay safely under the Union's jurisdiction;*

Or. en

**Amendment 127**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

6a. *Notes that there is a necessity to foster an open, trusted collaborative platform for the management, analysis, sharing, reuse and preservation of research data on which innovative services can be developed and delivered under the terms and certain conditions;*

Or. en

**Amendment 128**  
**David Borrelli, Dario Tamburrano**

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

*Motion for a resolution*

*Amendment*

**6a.** *Reminds that any agreement for sharing scientific data with third countries must be designed and implemented under the strict application of the principle of reciprocity, and must include requirements for equally shared governance;*

Or. en

**Amendment 129**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution  
Paragraph 6 b (new)**

*Motion for a resolution*

*Amendment*

**6b.** *Calls on the Commission and Member States to explore appropriate governance and funding frameworks, taking sufficient consideration of existing initiatives and their sustainability and of a European-wide level playing field; Stresses that Member States should consider the funding programmes in an integrated way to the Commission approach;*

Or. en

**Amendment 130**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution  
Paragraph 6 c (new)**

*Motion for a resolution*

*Amendment*

**6c.** *Calls on the Commission to analyse the full range of financial sources for establishing European Science Cloud*



*and strengthen existing instruments for faster development, especially focusing on best practices;*

Or. en

**Amendment 131**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 7**

*Motion for a resolution*

*Amendment*

**7. Warns against the risk of research being exploited outside the Union, if there is no support for applied research and venture capital;** *deleted*

Or. en

**Amendment 132**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 7**

*Motion for a resolution*

*Amendment*

**7. Warns against the risk of research being exploited outside the Union, if there is no support for applied research and venture capital;** *deleted*

Or. en

**Amendment 133**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 7**

*Motion for a resolution*

*Amendment*

**7. Warns against the risk of research being exploited outside the Union, if there is no support for applied research and venture capital;** *deleted*

Or. en

#### **Amendment 134**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 7 a (new)**

*Motion for a resolution*

*Amendment*

**7a. Asks the Commission to ensure that all scientific research and data produced by the Horizon 2020 Programme is open by default, and asks Member States to adapt their national research programmes accordingly;**

Or. en

#### **Amendment 135**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 7 b (new)**

*Motion for a resolution*

*Amendment*

**7b. Understand that the European Open Science Cloud will enable digital science by mainstreaming IT as a Service to the public research sector in Europe; Calls for „ a science cloud federal model" that brings together public research organisations, stakeholders, SMEs, Start-ups and e-Infrastructures with commercial suppliers to build a common platform offering a range of services to**

*Europe's research communities;*

Or. en

**Amendment 136**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 7 c (new)**

*Motion for a resolution*

*Amendment*

**7c. Calls on the Commission and Member States in cooperation with stakeholders to establish a Roadmap to give clear timescales and a set for implementation of the European Open Science Cloud as fast as possible;**

Or. en

**Amendment 137**

**Michał Boni, Pilar del Castillo Vera, Henna Virkkunen, Christian Ehler, Krišjānis Kariņš, Gunnar Hökmark, Anne Sander**

**Motion for a resolution**

**Paragraph 7 d (new)**

*Motion for a resolution*

*Amendment*

**7d. Calls on the Commission to carefully assess the needs of European public researchers in order to identify possible gaps in the supply of cloud infrastructure in Europe; if gaps are identified the Commission should invite European cloud infrastructure providers to share their development roadmaps in order to assess if private investments are sufficient to address such gaps or if further public funding is needed to bridge them;**

Or. en

**Amendment 138**

**Michał Boni, Pilar del Castillo Vera, Henna Virkkunen, Christian Ehler, Krišjānis Kariņš, Gunnar Hökmark, Anne Sander**

**Motion for a resolution**

**Paragraph 7 e (new)**

*Motion for a resolution*

*Amendment*

**7e. Ask the Commission to ensure that all scientific research and data produced by the Horizon 2020 Programme should benefit European businesses and the public; advocates a change in the incentive structures for academics, industry and public services to share their data, and improve data management, training, engineering skills and literacy;**

Or. en

**Amendment 139**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Subheading 3**

*Motion for a resolution*

*Amendment*

***Interoperability***

***European Data Infrastructure***

Or. en

**Amendment 140**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Subheading 3**

*Motion for a resolution*

*Amendment*

***Interoperability***

***European Data Infrastructure***

**Amendment 141**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 8**

*Motion for a resolution*

*Amendment*

8. *Stresses that the resilience of an information system depends on the security of national systems and of the interconnections between these systems and that data fragmentation can therefore ensure digital resilience;* *deleted*

Or. en

**Amendment 142**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 8**

*Motion for a resolution*

*Amendment*

8. *Stresses that the resilience of an information system depends on the security of national systems and of the interconnections between these systems and that data fragmentation can therefore ensure digital resilience;* *deleted*

Or. en

**Amendment 143**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 8**

*Motion for a resolution*

*Amendment*

**8. Stresses that the resilience of an information system depends on the security of national systems and of the interconnections between these systems and that data fragmentation can therefore ensure digital resilience;**

**deleted**

Or. en

**Amendment 144**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 8 a (new)**

*Motion for a resolution*

*Amendment*

**8a. Calls on the Commission, to direct more resources towards boosting European research, development, innovation and training in the field of cloud computing, stressing the need for infrastructure and processes that safeguard the open data and the privacy of users;**

Or. en

**Amendment 145**

**Kaja Kallas, Cora van Nieuwenhuizen**

**Motion for a resolution**

**Paragraph 8 a (new)**

*Motion for a resolution*

*Amendment*

**8a. Stresses the importance for the European Cloud initiative to be based on the Connecting Europe Facility building blocks, in particular Eids and e-signatures to reinforce trust by users in**

*secure, interoperable and seamless  
electronic communications across  
Europe;*

Or. en

**Amendment 146**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 8 a (new)**

*Motion for a resolution*

*Amendment*

*8a. Welcomes that the Cloud Initiative focuses on building high-bandwidth networks, large scale storage facilities, high-performance computing and a European Big Data ecosystem;*

Or. en

**Amendment 147**

**Pilar del Castillo Vera**

**Motion for a resolution**

**Paragraph 8 a (new)**

*Motion for a resolution*

*Amendment*

*8a. Insists that standards should enable easy and complete portability and a high degree of interoperability between cloud services;*

Or. en

**Amendment 148**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 8 b (new)**

*Motion for a resolution*

*Amendment*

**8b.** *Stresses that 5G development as well as the rules of the European Electronic Communications Code should to make Open Science Cloud more attractive by means of high qualified internet and new top-quality infrastructure;*

Or. en

**Amendment 149**

**Kaja Kallas**

**Motion for a resolution**

**Paragraph 8 b (new)**

*Motion for a resolution*

*Amendment*

**8b.** *Strongly believes that the Open Science Cloud initiative should rely on Open standards to ensure interoperability, seamless communication and avoid lock in ;*

Or. en

**Amendment 150**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 8 c (new)**

*Motion for a resolution*

*Amendment*

**8c.** *Approves the Commission's ambition to have the infrastructure and conditions to handle large amounts of data, operated by services, which use real time data from sensors or applications that link data from different sources; Notes that the European Cloud Initiative aims to ensure better and more*



*harmonised work on infrastructure development;*

Or. en

**Amendment 151**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 8 d (new)**

*Motion for a resolution*

*Amendment*

*8d. Supports further development of GEANT network for it to become the most advanced international network and maintain Europe's leadership in research;*

Or. en

**Amendment 152**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 8 e (new)**

*Motion for a resolution*

*Amendment*

*8e. Calls on the Commission and the Member States to coordinate with stakeholders to reduce the fragmentation of digital infrastructures by setting a roadmap for actions and a robust governance structure involving funders, procurers and users and stresses the need to promote Open Science principles for data management and sharing in compliance with innovation incentives, privacy and intellectual property in the digital age;*

Or. en

**Amendment 153**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

*Amendment*

**9. Calls for the national security authorities (ANSSI, BSI ...) to be fully involved in securing interconnections;** *deleted*

Or. en

**Amendment 154**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

*Amendment*

**9. Calls for the national security authorities (ANSSI, BSI ...) to be fully involved in securing interconnections;** *deleted*

Or. en

**Amendment 155**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

*Amendment*

**9. Calls for the national security authorities (ANSSI, BSI ...) to be fully involved in securing interconnections;** *deleted*

Or. en

## **Amendment 156**

**Aldo Patriciello**

### **Motion for a resolution**

#### **Paragraph 9**

##### *Motion for a resolution*

9. Calls for the national security authorities (ANSSI, BSI ...) to be fully involved in securing interconnections;

##### *Amendment*

9. Calls for the national security authorities (ANSSI, BSI ...) to be fully involved in securing interconnections ***that do not compromise the right to privacy of all European citizens***;

Or. it

## **Amendment 157**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

### **Motion for a resolution**

#### **Paragraph 9 a (new)**

##### *Motion for a resolution*

##### *Amendment*

***9a. Notes that the European economy is increasingly relying on the power of supercomputers to invent innovative solutions, reduce cost and decrease time to market for products and services; Support the Commission efforts to create an exascale supercomputer systems based on European hardware technology;***

Or. en

## **Amendment 158**

**Michel Reimon**

on behalf of the Verts/ALE Group

### **Motion for a resolution**

#### **Paragraph 9 a (new)**

##### *Motion for a resolution*

##### *Amendment*

***9a. Considers that the data***

*infrastructure needs to be resilient and secure therefore recommends an increase use of encryption and open source software, especially by European hardware and software producers.*

Or. en

**Amendment 159**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 9 b (new)**

*Motion for a resolution*

*Amendment*

**9b.** *Believes that Europe needs a complete HPC ecosystem to acquire leadership-class supercomputers, secure its HPC system supply, and deploy HPC services to industry and SMEs for simulation, visualisation and prototyping. Considers that it is of utmost importance to put the EU among the top supercomputing powers in the world by 2022;*

Or. en

**Amendment 160**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 9 b (new)**

*Motion for a resolution*

*Amendment*

**9b.** *Considers the European aquis in data protection and privacy as a competitive advantage and its use should be encouraged.*

Or. en

**Amendment 161**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 9 c (new)**

*Motion for a resolution*

*Amendment*

**9c. Believes that the European Technology Platform and the cPPP on HPC are crucial to define Europe's research priorities in developing European technology in all segments of the HPC solution supply chain;**

Or. en

**Amendment 162**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 9 d (new)**

*Motion for a resolution*

*Amendment*

**9d. Welcomes the Commission's proposal, in line with the Quantum Manifesto to launch a €1 billion Flagship-scale Initiative in Quantum Technology;**

Or. en

**Amendment 163**

**Michał Boni, Henna Virkkunen, Christian Ehler, Krišjānis Kariņš, Gunnar Hökmark, Anne Sander**

**Motion for a resolution**

**Paragraph 9 e (new)**

*Motion for a resolution*

*Amendment*

**9e. Reminds the Commission that the**

*cloud services industry has already invested billions of euros into building top of the art infrastructure in Europe. European scientists and researchers can today use a cloud infrastructure that offers them the ability to experiment and innovate quickly by accessing a wide variety of services, only paying for what they use, thus improving time-to-science fast. Notes that Europe's critical support to research and development should not be spent on duplicating existing resources, but instead on encouraging breakthrough in new scientific areas that can boost growth and competitiveness;*

Or. en

**Amendment 164**  
**Marisa Matias**

**Motion for a resolution**  
**Subheading 4**

*Motion for a resolution*

*Amendment*

*Public-private partnership contract on High Performance Computing*

*deleted*

Or. en

**Amendment 165**  
**Michel Reimon**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Subheading 4**

*Motion for a resolution*

*Amendment*

*Public-private partnership contract on High Performance Computing*

*deleted*

Or. en

**Amendment 166**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Subheading 4**

*Motion for a resolution*

*Amendment*

***Public-private partnership contract on  
High Performance Computing***

***Interoperability***

Or. en

**Amendment 167**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

*Amendment*

***10. Proposes that the amounts  
earmarked for ETP4HPC be re-allocated  
for the development of digital companies  
with high added value;***

***deleted***

Or. en

**Amendment 168**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

*Amendment*

***10. Proposes that the amounts  
earmarked for ETP4HPC be re-allocated  
for the development of digital companies  
with high added value;***

***deleted***

Or. en

**Amendment 169**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

*Amendment*

**10. Proposes that the amounts earmarked for ETP4HPC be re-allocated for the development of digital companies with high added value;**

**deleted**

Or. en

**Amendment 170**

**Gunnar Hökmark**

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

*Amendment*

**10. Proposes that the amounts earmarked for ETP4HPC be re-allocated for the development of digital companies with high added value;**

**10. Considers that initiatives to facilitate access to data and research should in all aspects meet the demand of researchers, while at the same time encourage public-private partnerships, thus contributing to the development of the increasingly digital economy;**

Or. en

**Amendment 171**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 10 a (new)**

*Motion for a resolution*

*Amendment*

**10a. Believes that the development of clear standards for cloud interoperability,**



*data portability and service level agreements will ensure certainty and transparency for both cloud providers and end-users;*

Or. en

**Amendment 172**  
**Pilar del Castillo Vera**

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

*Motion for a resolution*

*Amendment*

*10a. Notes that Europe is failing to invest in its High Performance Computing (HPC) ecosystem in comparison with other regions of the World in a manner that is not in line with its economic and knowledge potential;*

Or. en

**Amendment 173**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

*Amendment*

*10b. Stresses that reliability, security and protection of personal data is needed for consumer confidence, trust as a basis for healthy competitiveness;*

Or. en

**Amendment 174**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

*Amendment*

**10c.** *Notes that industry should play a key role in developing widely accepted standards fit for the digital age, such standards will give confidence to cloud providers to keep innovation and to users to further adopt cloud services at the European level;*

Or. en

**Amendment 175**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

*Amendment*

**10d.** *Calls on the Commission to take the lead in promoting intersectoral, cross-lingual and cross-border interoperability and cloud standards and supporting privacy-friendly, reliable, secure and energy-efficient cloud services as an integral part of common strategy focusing on maximizing the opportunities to develop standards that have the capacity of becoming worldwide standards;*

Or. en

**Amendment 176**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

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

*Motion for a resolution*

*Amendment*

**10e.** *Notes that an Action plan on data*

*interoperability is necessary to harness the high quantity of data that European scientists produce and improve their reusability in science and industry; Calls on the Commission to work with key scientific stakeholders to produce effective systems to make data findable, accessible, interoperable and reusable (FAIR), including meta-data, common specifications and data object identifiers;*

Or. en

**Amendment 177**

**Michał Boni, Pilar del Castillo Vera, Henna Virkkunen, Christian Ehler, Krišjānis Kariņš, Gunnar Hökmark, Anne Sander**

**Motion for a resolution**

**Paragraph 10 f (new)**

*Motion for a resolution*

*Amendment*

*10f. Calls on the Commission to promote interoperability and to prevent vendor 'lock-in' by promoting that multiple cloud infrastructure providers in Europe provide a choice of competitive, inter-operable, portable infrastructure services;*

Or. en

**Amendment 178**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 11**

*Motion for a resolution*

*Amendment*

*11. Stresses the existing potential that quantum technologies have for computers and encryption keys;*

*deleted*

Or. en

**Amendment 179**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 11**

*Motion for a resolution*

**11. Stresses the existing potential that quantum technologies have for computers and encryption keys;**

*Amendment*

*deleted*

Or. en

**Amendment 180**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 11**

*Motion for a resolution*

**11. Stresses the existing potential that quantum technologies have for computers and encryption keys;**

*Amendment*

**11. Stresses the existing potential that quantum technologies have both for general computation and, specifically, for advanced cryptography;**

Or. en

**Amendment 181**

**Pilar del Castillo Vera**

**Motion for a resolution**

**Paragraph 11 a (new)**

*Motion for a resolution*

*Amendment*

**11a. Welcomes the Commission's proposal, in line with the Quantum Manifesto to launch a €1 billion Flagship-scale Initiative in Quantum Technology; Stresses however that in order to accelerate their development and**

*bring commercial products to public and private users, transparent and open stakeholder consultation is crucial;*

Or. en

**Amendment 182**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 11 a (new)**

*Motion for a resolution*

*Amendment*

*11a. Calls for measures to preserve a high-quality standardisation system that can attract the best technology contributions; asks the Commission to adopt policies that remove excessive barriers in innovative sectors, to incentivise investments in research and development and European standardization;*

Or. en

**Amendment 183**

**Notis Marias**

**Motion for a resolution**

**Paragraph 11 a (new)**

*Motion for a resolution*

*Amendment*

*11a. Stresses that the protection of personal and sensitive data must receive priority where it is at risk of being compromised by the free movement of data;*

Or. el

**Amendment 184**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 11 b (new)**

*Motion for a resolution*

*Amendment*

***11b. Urge the Commission to maximise its efforts to avoid the possibility of vendor lock-in on the digital market from the beginning, especially in emerging areas such as the European Cloud initiative;***

Or. en

**Amendment 185**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 11 c (new)**

*Motion for a resolution*

*Amendment*

***11c. Acknowledges the importance of interoperability and standards in boosting competitiveness in the ICT sector, asks the Commission to identify gaps in standards in the European Science Cloud, including as regards SMEs, Startups and key European sectors; supports the development of market-driven, voluntary, technology-neutral, transparent, globally compatible and market-relevant standards;***

Or. en

**Amendment 186**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 11 d (new)**

*Motion for a resolution*

*Amendment*

**11d.** *Considers that the 'ISA2' programme offers an opportunity to develop interoperability standards for Big Data management within public administrations and in their dealings with businesses and citizens;*

Or. en

**Amendment 187**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Subheading 5**

*Motion for a resolution*

*Amendment*

***Controlling and building the IT hardware and software sector***

***deleted***

Or. en

**Amendment 188**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Subheading 5**

*Motion for a resolution*

*Amendment*

***Controlling and building the IT hardware and software sector***

***Sharing open data, sharing research data***

Or. en

**Amendment 189**

**Michel Reimon**

on behalf of the Verts/ALE Group

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

*Motion for a resolution*

*Amendment*

**12.** *Believes that the failure to control the European digital industry poses a threat to civil liberties, respect for privacy and the current and future employment;* **deleted**

Or. en

**Amendment 190**

**Michal Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

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

*Motion for a resolution*

*Amendment*

**12.** *Believes that the failure to control the European digital industry poses a threat to civil liberties, respect for privacy and the current and future employment;* **deleted**

Or. en

**Amendment 191**

**Marisa Matias**

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

*Motion for a resolution*

*Amendment*

**12.** *Believes that the failure to control the European digital industry poses a threat to civil liberties, respect for privacy and the current and future employment;* **deleted**

Or. en



**Amendment 192**  
**David Borrelli, Dario Tamburrano**

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

*Motion for a resolution*

12. *Believes that the failure to control the European digital industry poses a threat to civil liberties, respect for privacy and the current and future employment;*

*Amendment*

12. *Stresses that digital activities must be regulated ensuring strict respect of fundamental rights, with a particular attention for privacy, insofar privacy functions, as leading experts in the sector have remarked, as the true immune system of a living democracy;*

Or. en

**Amendment 193**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

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

*Motion for a resolution*

12a. *Welcomes that the development of the European Open Science Cloud will allow researchers and science professionals a place to store, share, use and re-use data and can set the foundation for data driven innovation in Europe; Stresses that benefits of data sharing have been widely recognized;*

*Amendment*

Or. en

**Amendment 194**  
**Michel Reimon**  
on behalf of the Verts/ALE Group

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

*Motion for a resolution*

*Amendment*

**13. *Calls for an audit of the digital industry in Europe, the investments necessary to face foreign competition and the takeover of European companies;*** *deleted*

Or. en

**Amendment 195**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 13**

*Motion for a resolution*

*Amendment*

**13. *Calls for an audit of the digital industry in Europe, the investments necessary to face foreign competition and the takeover of European companies;*** *deleted*

Or. en

**Amendment 196**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 13**

*Motion for a resolution*

*Amendment*

**13. *Calls for an audit of the digital industry in Europe, the investments necessary to face foreign competition and the takeover of European companies;*** *deleted*

Or. en

**Amendment 197**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**  
**Paragraph 13 a (new)**

*Motion for a resolution*

*Amendment*

**13a.** *Notes that data has become essential for decision making at the local, national, and global level; notes that sharing data also has important benefits for local and regional authorities and that opening up government data enhances democracy and provides new business opportunities;*

Or. en

**Amendment 198**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

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

*Motion for a resolution*

*Amendment*

**14.** *Asks Member States and the Union to encourage and fund the writing of secure free software with Linux, firstly within public administrations and schools and then in businesses and for the general public;*

*deleted*

Or. en

**Amendment 199**

**David Borrelli, Dario Tamburrano**

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

*Motion for a resolution*

*Amendment*

**14.** Asks Member States and the Union to encourage and fund the *writing* of secure free software *with Linux, firstly within* public administrations *and schools* and

**14.** Asks Member States and the Union to encourage and fund the *large-scale development* of secure free software, *with a first priority towards* public

then *in* businesses and for the general public;

administrations *at all levels and academy*, and then *towards* businesses and for the general public; *calls the Commission to develop guidelines and criteria for orienting public procurement in such direction, wherever the Member States consider fit to do so*;

Or. en

**Amendment 200**  
**Notis Marias**

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

*Motion for a resolution*

14. Asks Member States and the Union to encourage and fund the writing of secure free software with Linux, firstly within public administrations and schools and then in businesses and for the general public;·

*Amendment*

14. Asks Member States and the Union to encourage and fund the writing of secure free software with Linux, firstly within *EU services*, public administrations and schools and then in businesses and for the general public;·

Or. el

**Amendment 201**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

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

*Motion for a resolution*

*Amendment*

*14a. Supports the Commission efforts together with European industry researchers and academia for development of Big Data Value PPP in synergy with the cPPP on HPC that enhance community building around data and HPC and set the grounds for a thriving data-driven economy in Europe; Supports the cybersecurity PPP that fosters cooperation between public and*

*private actors at early stages of the research and innovation process in order to access innovative and trustworthy European solutions;*

Or. en

#### **Amendment 202**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

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

##### **Paragraph 15**

*Motion for a resolution*

*Amendment*

**15. Considers it essential to encourage synergies between European hardware manufacturers, software developers and European cloud computing providers;** *deleted*

Or. en

#### **Amendment 203**

**David Borrelli, Dario Tamburrano**

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

##### **Paragraph 15**

*Motion for a resolution*

*Amendment*

**15. Considers it essential to encourage synergies *between European* hardware manufacturers, software developers and *European* cloud computing providers;**

**15. Considers it essential to encourage synergies *among EU digital stakeholders at all levels, as a key ingredient of an ambitious industrial strategy in the digital sector, and especially among* hardware manufacturers, software developers and cloud computing providers;**

Or. en

#### **Amendment 204**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**  
**Paragraph 15 a (new)**

*Motion for a resolution*

*Amendment*

**15a.** *Stresses that the EC should liaise closely and as early as possible with industry partners especially SMEs and Startups in order to guarantee that business and industry requirements are adequately addressed and integrated in the later stage of the initiative;*

Or. en

**Amendment 205**

**Michel Reimon**

on behalf of the Verts/ALE Group

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

*Motion for a resolution*

*Amendment*

**16.** *Highlights the importance of security of supply in critical raw materials such as rare earths in order to keep the construction of electronic components in Europe;*

*deleted*

Or. en

**Amendment 206**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

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

*Motion for a resolution*

*Amendment*

**16.** *Highlights the importance of security of supply in critical raw materials such as rare earths in order to keep the construction of electronic components in Europe;*

*deleted*

**Amendment 207**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 16**

*Motion for a resolution*

16. Highlights *the importance of* security of supply in critical *raw materials* such as rare earths *in order to keep the construction of electronic components in Europe;*

*Amendment*

16. Highlights *that long-term EU* security of supply in *raw materials that are critical for the construction of electronic components*, such as rare earths, *must be achieved through a combination of the best practices of the circular economy, including design-to-recycle, but not limited to it, and fair trade agreements with producing countries;*

Or. en

**Amendment 208**

**Notis Marias**

**Motion for a resolution**

**Paragraph 16**

*Motion for a resolution*

16. Highlights the importance of security of supply *in* critical raw materials such as rare earths in order to keep the construction of electronic components in Europe; ·

*Amendment*

16. Highlights the importance of security of supply *and the development of domestic supplies of* critical raw materials such as rare earths in order to keep the construction of electronic components in Europe; ·

Or. el

**Amendment 209**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

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

*Motion for a resolution*

*Amendment*

**16a.** *Encourages public administrations to consider safe, reliable and secure cloud services by providing a clear legal framework and further working to develop cloud-specific certifications schemes. Notes that business and consumers need to feel confident in adopting new technologies;*

Or. en

**Amendment 210**

**Michał Boni, Pilar del Castillo Vera, Henna Virkkunen, Christian Ehler, Krišjānis Kariņš, Gunnar Hökmark, Anne Sander**

**Motion for a resolution**  
**Paragraph 16 b (new)**

*Motion for a resolution*

*Amendment*

**16b.** *Believes that public administrations should have open government public data by default; urges that progress be made on the degree and pace of releasing information as open data, on identifying key datasets to be made available and on promoting the re-use of open data in an open form;*

Or. en

**Amendment 211**

**Michał Boni, Henna Virkkunen, Christian Ehler, Krišjānis Kariņš, Gunnar Hökmark, Anne Sander**

**Motion for a resolution**  
**Paragraph 16 c (new)**



*Motion for a resolution*

*Amendment*

**16c.** *The staggering growth in digital technologies is the key driver for generation of massive raw data streams in cloud environments. This huge collection of raw data streams in big data systems increases computational complexity and resource consumption in cloud-enabled data mining systems; Notes that the concept of pattern-based data sharing enables local data processing near the data sources and transforms the raw data streams into actionable knowledge patterns. These knowledge patterns have dual utility of availability of local knowledge patterns for immediate actions as well as for participatory data sharing in cloud environments;*

Or. en

**Amendment 212**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 17**

*Motion for a resolution*

*Amendment*

**17.** *Considers it essential to invest massively in the semiconductor industry;*

*deleted*

Or. en

**Amendment 213**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 17**

*Motion for a resolution*

*Amendment*

**17. Considers it essential to invest massively in the semiconductor industry;** *deleted*

Or. en

**Amendment 214**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 17**

*Motion for a resolution*

*Amendment*

**17. Considers it essential to invest massively in the semiconductor industry;** *deleted*

Or. en

**Amendment 215**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 17 a (new)**

*Motion for a resolution*

*Amendment*

**17a. Endorses the May 2016 Council conclusions on the transition towards an Open Science system, in particular that the underlying principle for the optimal reuse of research data should be "as open as possible, as closed as necessary";**

Or. en

**Amendment 216**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 18**

*Motion for a resolution*

*Amendment*

**18. Proposes the creation of European computer assembly chains, with robotics enabling them to be competitive;** *deleted*

Or. en

**Amendment 217**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 18**

*Motion for a resolution*

*Amendment*

**18. Proposes the creation of European computer assembly chains, with robotics enabling them to be competitive;** *deleted*

Or. en

**Amendment 218**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 18**

*Motion for a resolution*

*Amendment*

**18. Proposes the creation of European computer assembly chains, with robotics enabling them to be competitive;** *deleted*

Or. en

**Amendment 219**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 18**

*Motion for a resolution*

*Amendment*

18. ***Proposes the creation of European computer assembly chains, with robotics enabling them to be competitive;***

18. ***Underlines that manufacturing excellence consistently delivered at unprecedented levels, including the extensive use of robotics, additive manufacturing and automation, shall be necessary for the successful implementation of EU digital industrial projects;***

Or. en

**Amendment 220**

**Notis Marias**

**Motion for a resolution**

**Paragraph 18**

*Motion for a resolution*

*Amendment*

18. Proposes the creation of European computer assembly chains, with robotics enabling them to be competitive;•

18. Proposes the creation of European computer assembly chains, with robotics enabling them to be competitive; ***calls on the Member States and the Commission to earmark funding for robotics research and development;***

Or. el

**Amendment 221**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 19**

*Motion for a resolution*

*Amendment*

19. ***Demands a European preference for reciprocal trade;***

***deleted***

Or. en

**Amendment 222**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 19**

*Motion for a resolution*

*Amendment*

**19. Demands a European preference for reciprocal trade;** *deleted*

Or. en

**Amendment 223**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 19**

*Motion for a resolution*

*Amendment*

**19. Demands a European preference for reciprocal trade;** *deleted*

Or. en

**Amendment 224**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 19**

*Motion for a resolution*

*Amendment*

**19. Demands a European preference for reciprocal trade;**

**19. Stresses that trade policy is an essential component of international relations; reminds that digital industry, due to a variety of reasons, and very especially to its high value added, and its richness in continuous innovation, is a clear candidate for long-term intensive trade;**

Or. en

**Amendment 225**  
**David Borrelli, Dario Tamburrano**

**Motion for a resolution**  
**Paragraph 19 a (new)**

*Motion for a resolution*

*Amendment*

*19a. Asks, in such a trade relations context, to guarantee the commitment of the Union to its major values of peace, friendship and cooperation among countries, as expressed in the principle of reciprocity, among others, and to ensure that this principle is solidly embedded into all agreements in the field;*

Or. en

**Amendment 226**  
**Michel Reimon**  
on behalf of the Verts/ALE Group

**Motion for a resolution**  
**Subheading 6**

*Motion for a resolution*

*Amendment*

*For a new data governance*

*deleted*

Or. en

**Amendment 227**  
**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**  
**Subheading 6**

*Motion for a resolution*

*Amendment*

*For a new data governance*

*Text and Data mining*

Or. en

**Amendment 228**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 20**

*Motion for a resolution*

*Amendment*

**20. Calls for global internet governance to depend on the United Nations;**

*deleted*

Or. en

**Amendment 229**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 20**

*Motion for a resolution*

*Amendment*

**20. Calls for global internet governance to depend on the United Nations;**

*deleted*

Or. en

**Amendment 230**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 20 a (new)**

*Motion for a resolution*

*Amendment*

**20a. Stresses that full availability of public data within the European Open Science Cloud will not be sufficient to remove all barriers to data-based research;**

**Amendment 231**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 21**

*Motion for a resolution*

*Amendment*

**21.** *Maintains that it is vital to adopt high encryption standards for the security of all data transfers, together with the implementation of the principle of express consent;* **deleted**

Or. en

**Amendment 232**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 21**

*Motion for a resolution*

*Amendment*

**21.** *Maintains that it is vital to adopt high encryption standards for the security of all data transfers, together with the implementation of the principle of express consent;* **deleted**

Or. en

**Amendment 233**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 21 a (new)**

*Motion for a resolution*

*Amendment*

**21a.** *Notes that the initiative needs to be*



*complemented by a modern copyright framework, , which should allow for the removal of fragmentation and lack of interoperability from the European data research process;*

Or. en

**Amendment 234**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 22**

*Motion for a resolution*

*Amendment*

**22. Calls for a Copernican revolution in the digital economic model: 'all data is the property of the provider' and anyone using these data should remunerate the data provider, with class actions being filed against any company using data without remuneration;**

*deleted*

Or. en

**Amendment 235**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 22**

*Motion for a resolution*

*Amendment*

**22. Calls for a Copernican revolution in the digital economic model: 'all data is the property of the provider' and anyone using these data should remunerate the data provider, with class actions being filed against any company using data without remuneration;**

*deleted*

Or. en

**Amendment 236**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 22**

*Motion for a resolution*

*Amendment*

**22.** *Calls for a Copernican revolution in the digital economic model: 'all data is the property of the provider' and anyone using these data should remunerate the data provider, with class actions being filed against any company using data without remuneration;*

*deleted*

Or. en

**Amendment 237**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 22**

*Motion for a resolution*

*Amendment*

**22.** *Calls for a Copernican revolution in the digital economic model: 'all data is the property of the provider' and anyone using these data should remunerate the data provider, with class actions being filed against any company using data without remuneration;*

**22.** *Calls for in-depth review of the value-sharing models, encompassing all parties, that need to be fairly established in order to ensure stability of any digital business model; reminds that individual data providers must claim and keep collectively a fair share of the value being created;*

Or. en

**Amendment 238**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**

**Paragraph 22 a (new)**

*Motion for a resolution*

*Amendment*

**22a.** *Believes that the Initiative should preserve the balance between rights of researchers, rights holders and other actors in the scientific sphere with fully respect the rights of authors and publishers, while at the same time supporting innovative research in Europe;*

Or. en

**Amendment 239**

**David Borrelli, Dario Tamburrano**

**Motion for a resolution**

**Paragraph 22 a (new)**

*Motion for a resolution*

*Amendment*

**22a.** *Stresses that business models based on remuneration through data, often in the absence of direct monetary remuneration, must be much better studied and regulated, providing adequate legal coverage for all parties engaged in them;*

Or. en

**Amendment 240**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, Ashley Fox**

**Motion for a resolution**

**Paragraph 23**

*Motion for a resolution*

*Amendment*

**23.** *Proposes that Member States impose dissuasive fines on companies illegally using data, amounting to four to ten times their turnover, thereby making Europe a safe haven for data storage in*

*deleted*

*the world;*

Or. en

**Amendment 241**

**Marisa Matias**

**Motion for a resolution**

**Paragraph 23**

*Motion for a resolution*

*Amendment*

**23. Proposes that Member States impose dissuasive fines on companies illegally using data, amounting to four to ten times their turnover, thereby making Europe a safe haven for data storage in the world;** *deleted*

Or. en

**Amendment 242**

**Michel Reimon**

on behalf of the Verts/ALE Group

**Motion for a resolution**

**Paragraph 23**

*Motion for a resolution*

*Amendment*

**23. Proposes that Member States impose dissuasive fines on companies illegally using data, amounting to four to ten times their turnover, thereby making Europe a safe haven for data storage in the world;** *deleted*

Or. en

**Amendment 243**

**David Borrelli, Dario Tamburrano**

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

*Motion for a resolution*

23. *Proposes that Member States impose dissuasive fines on companies illegally using data, amounting to four to ten times their turnover, thereby making Europe a safe haven for data storage in the world;*

*Amendment*

23. *Reminds that the speedy development of a carefully thought legal framework, having data protection, privacy and fundamental rights at its core, can become a distinctive, high-value competitive factor for EU providers of data storage, in comparisons with competitors less attentive to this dimension; accordingly, underlines that privacy and data protection requirements should never be contemplated by the IT industry as a burden;*

Or. en

**Amendment 244**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica, David Borrelli**

**Motion for a resolution**  
**Paragraph 23 a (new)**

*Motion for a resolution*

23a. *Believes that research data can be shared within the EU Open Science Cloud without prejudice to copyright owned by researchers or research institutions, by establishing licensing models where necessary; believes that best practices in this regard are being established within the Horizon 2020 Open Research Data pilot;*

Or. en

**Amendment 245**

**Michał Boni, Cora van Nieuwenhuizen**

**Motion for a resolution**  
**Paragraph 23 b (new)**

*Motion for a resolution*

*Amendment*

**23b.** *Believes that the Directive on the legal protection of databases, which needs revamping , limits the use of data without evidence of creating added economic or scientific value;*

Or. en

**Amendment 246**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 23 c (new)**

*Motion for a resolution*

*Amendment*

**23c.** *subheading:*

*Data protection, fundamental rights and data security*

Or. en

**Amendment 247**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 23 d (new)**

*Motion for a resolution*

*Amendment*

**23d.** *Urges the Commission to take action to promote further harmonized laws across the Member States in order to avoid jurisdictional confusion and fragmentation and to ensure transparency in the digital single market;*

Or. en

**Amendment 248**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 23 e (new)**

*Motion for a resolution*

*Amendment*

**23e. Believes that Europe is leading the way in privacy protection and advocates a high level of data protection worldwide;**

Or. en

**Amendment 249**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 23 f (new)**

*Motion for a resolution*

*Amendment*

**23f. Underlines that a coordinated approach is needed between data protection authorities, policy makers and industry, in order to help organizations in this transition, by providing uniform interpretation and application of the obligations, compliance toolkits and by raising awareness about the key issues for citizens and the business;**

Or. en

**Amendment 250**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 23 g (new)**

*Motion for a resolution*

*Amendment*

**23g. Stresses that Europe is a global importer and exporter of digital services and require having a strong cloud**

*computing and data economy to be competitive. Calls on Commission to take a lead in striving towards the creation of uniform, globally accepted standards of personal data protection;*

Or. en

**Amendment 251**

**Michał Boni, Cora van Nieuwenhuizen, Dan Nica**

**Motion for a resolution**

**Paragraph 23 h (new)**

*Motion for a resolution*

*Amendment*

*23h. Believes that global data flows are vital to international trade and economic growth and the European Commission Initiative on the free flow of data, should enable companies operating in Europe, particularly in the growing cloud computing sector, to be in the forefront of the global innovation race; Stresses that the Initiative should also aim to lift any arbitrary restrictions on where companies should locate infrastructure or store data as these will hamper the development of Europe's economy;*

Or. en

**Amendment 252**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 a (new)**

*Motion for a resolution*

*Amendment*

*24a. Calls on the Commission to ensure that this initiative is fit for purpose, outward looking, future proof and technologically neutral, and highlights that the Commission and Member States*



*must take their lead from the market and from the cloud computing industry itself in order to best meet the current and future demands of the sector and to drive innovation in cloud based technologies;*

Or. en

**Amendment 253**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 b (new)**

*Motion for a resolution*

*Amendment*

*24b. Notes the potential of big data for prompting technological innovation and building the knowledge based economy; Notes that reducing obstacles to knowledge-sharing will boost the competitiveness of businesses while also benefiting local and regional authorities; highlights the importance of facilitating data portability;*

Or. en

**Amendment 254**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 c (new)**

*Motion for a resolution*

*Amendment*

*24c. Notes the Commission's proposal for the development of a large scale European Data Infrastructure, stresses the importance of market and industry led initiatives for infrastructure development and investment and questions the role and value of the European Commission's actions in this regard.*

**Amendment 255**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 d (new)**

*Motion for a resolution*

*Amendment*

**24d. Highlights that consideration must be paid to existing initiatives to avoid duplication which could hinder openness, competition and growth and that market-driven, pan-European standards for data sharing must be in line with international standards;**

Or. en

**Amendment 256**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 e (new)**

*Motion for a resolution*

*Amendment*

**24e. Calls on the Commission and Member States to work with industry led standard-setting initiatives to ensure that the single market remains accessible to third countries and responsive to technological evolution, avoiding barriers which will hinder innovation and competitiveness in Europe; Notes that standard-setting in relation to data security and privacy is closely related to the question of jurisdiction and national authorities have a key role to play;**

Or. en

**Amendment 257**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 f (new)**

*Motion for a resolution*

*Amendment*

**24f. Emphasises the need to find a balance between legitimate data protection concerns and the necessity to secure an untapped 'free flow of data'; calls on the need for existing data protection rules to be respected in an open big data market;**

Or. en

**Amendment 258**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 g (new)**

*Motion for a resolution*

*Amendment*

**24g. Supports the proposal to make open research data the default option for new Horizon 2020 projects, as publicly funded research data are a public good, produced in the public interest and should be made openly available with as few restrictions as possible in a timely and responsible manner;**

Or. en

**Amendment 259**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 h (new)**

*Motion for a resolution*

*Amendment*

**24h.** *Notes that the European Cloud Initiative focuses on potentially sensitive sectors of research and development and government e-portals. Reiterates that cyber security for cloud services is best dealt under the framework of the Network and Information Security Directive.*

Or. en

**Amendment 260**

**Ashley Fox, Evžen Tošenovský, Hans-Olaf Henkel**

**Motion for a resolution**

**Paragraph 24 i (new)**

*Motion for a resolution*

*Amendment*

**24i.** *Notes the importance of facilitating the interoperability of different equipment within networks, providing assurance of security and promoting component supply chains, all of which are important for the commercialisation of the technology;*

Or. en