



2016/2145(INI)

14.10.2016

AMENDMENTS

1 - 82

Draft opinion

Eva Paunova

(PE589.220v01-00)

European Cloud Initiative

(2016/2145(INI))

Amendment 1

Sergio Gutiérrez Prieto, Marc Tarabella, Lucy Anderson, Nicola Danti, Marlene Mizzi, Evelyne Gebhardt

Draft opinion

Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market positioning;

Amendment

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European ***data-driven and knowledge based*** digital economy and contributing to its global market positioning; ***and regrets that there are still many limits in the Single Market that prevent the full deployment of this initiative; notes that the combination of infrastructure to store and manage data, secure broadband networks and high-performance computers are the three pillars for building up an operative European cloud;***

Or. en

Amendment 2

Andreas Schwab, Eva Paunova

Draft opinion

Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market positioning;

Amendment

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market ***competitiveness and*** positioning; ***considers that the Cloud Initiative makes***

a key contribution to the completion of the Digital Single Market; emphasises that data and knowledge generated from data are increasingly becoming a factor of success in international competition;

Or. de

Amendment 3

Eva Paunova, Lambert van Nistelrooij, Ivan Štefanec, Antonio López-Istúriz White, Carlos Coelho, Birgit Collin-Langen, Anna Maria Corazza Bildt

Draft opinion

Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market positioning;

Amendment

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market positioning; ***recalls that a fully functioning digital single market would boost competitiveness and contribute around EUR 415 billion to the GDP of the EU-28;***

Or. en

Amendment 4

Vicky Ford

Draft opinion

Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering

Amendment

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering

the growth of the European digital economy and contributing to its global market positioning;

the growth of the European digital economy and contributing to its global market positioning; ***calls on the Commission to ensure that this initiative is fit for purpose, outward looking, future proof and technologically neutral;***

Or. en

Amendment 5

Morten Løkkegaard, Kaja Kallas, Dita Charanzová, Morten Helveg Petersen

Draft opinion

Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market positioning;

Amendment

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, thus fostering the growth of the European digital economy and contributing to its global market positioning; ***recalls, in this context, also the role that the principle of "Open Science" plays in building a European knowledge economy;***

Or. en

Amendment 6

Mylène Troszczynski, Jean-Luc Schaffhauser

Draft opinion

Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy ***and the Digitising European Industry Package, thus fostering the growth of the European***

Amendment

1. Welcomes the ***rapporteur's rejection of the*** Commission's European Cloud Initiative, as ***it forms*** part of the implementation of the Digital Single Market (DSM) Strategy, ***which will result in the dismantling of Europe's hardware***

digital economy and contributing to its global market positioning;

and software industries and in them being left at the mercy of North American and Asian oligopolies and thus being downgraded on the global market;

Or. fr

Amendment 7
Philippe Juvin

Draft opinion
Paragraph 1

Draft opinion

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, *thus* fostering the growth of the European digital economy and contributing to *its* global market positioning;

Amendment

1. Welcomes the Commission's European Cloud Initiative as part of the implementation of the Digital Single Market (DSM) Strategy and the Digitising European Industry Package, fostering the growth of the European digital economy and *thus* contributing to *European firms'* global market positioning;

Or. fr

Amendment 8
Mihai Țurcanu

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1a. Welcomes the proposal to develop a European Open Science Cloud, which could serve as a cloud model for the public and private sector and help extend the user base to governments and industry, thereby enabling the development of a strong cloud industry in Europe; believes that the adoption of cloud services should also be encouraged in vertical industries such as banking, finance and health;

Amendment 9
Jan Philipp Albrecht

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1a. Calls on the Commission to develop a European strategy for greater IT independence (a '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 to compete with US and Asiatic IT industries;

Or. en

Amendment 10
Andreas Schwab, Eva Paunova

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1a. Welcomes the Open Science approach, which will further stimulate the quality of research and development in the European Union in future; Takes the view that Europe's scientific leadership must also be reflected in its digital infrastructure;

Or. de

Amendment 11
Eva Paunova, Andreas Schwab, Ivan Štefanec, Antonio López-Istúriz White, Carlos

Coelho

**Draft opinion
Paragraph 1 a (new)**

Draft opinion

Amendment

1a. Stresses that it is unclear what measures are foreseen for opening Europe to the global markets with regard to the ownership of data produced by public or publicly funded sources;

Or. en

**Amendment 12
Andreas Schwab, Eva Paunova**

**Draft opinion
Paragraph 1 b (new)**

Draft opinion

Amendment

1b. Points out that safe and trustworthy digital infrastructures are necessary in order to provide the ideal framework conditions for efficient data generation, dissemination, storage and evaluation; stresses in this connection the need to ensure the protection of intellectual property rights and confidential information;

Or. de

**Amendment 13
Eva Paunova, Andreas Schwab, Ivan Štefanec, Antonio López-Istúriz White, Carlos Coelho, Birgit Collin-Langen, Anna Maria Corazza Bildt**

**Draft opinion
Paragraph 1 b (new)**

Draft opinion

Amendment

1b. Underlines that currently the value

of collected research data is not fully exploited by the industry, especially SMEs, due to the lack of free cross-border data flow and access to a single platform or portal;

Or. en

Amendment 14

Sergio Gutiérrez Prieto, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Nicola Danti, Marlene Mizzi, Evelyne Gebhardt

Draft opinion

Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services ***and disproportionate data localisation requirements*** by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Amendment

2. Supports the Commission's intention to remove barriers to the free movement of data and data services by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market, ***for which we need to ensure secure and broad connectivity, optimum speed and quality, and strengthen confidence and reliability. Notes that fundamental rights, including privacy and data protection obligations relating to such data, regardless of their location, must be respected;***

Or. en

Amendment 15

Philippe Juvin

Draft opinion

Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free

Amendment

2. Supports the Commission's intention to remove barriers to the free

movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market; ***points out that this digital revolution must benefit EU businesses and citizens and be carried out in strict compliance with European personal data protection requirements;***

Or. fr

Amendment 16
Jiří Maštálka

Draft opinion
Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; ***considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;***

Amendment

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal, ***reminds however that negative aspects and social impact linked to the "cloudification" of IT services, such as job losses, offshoring, virtualisation, greater distance between users and IT technicians should be taken into account;***

Or. en

Amendment 17
Vicky Ford

Draft opinion
Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Amendment

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market ***and that it is imperative to avoid new barriers leading to a digital fortress Europe;***

Or. en

Amendment 18

Mylène Troszczynski, Jean-Luc Schaffhauser

**Draft opinion
Paragraph 2**

Draft opinion

2. ***Supports*** the Commission's intention to remove barriers to the free movement of data and data services and ***disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; considers*** that, ***in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;***

Amendment

2. ***Disapproves of*** the Commission's intention to remove barriers to the free movement of data and data services and ***supports Member States which have introduced data localisation requirements; stresses*** that ***diversity makes the overall system more resilient, thus ensuring the security of strategic and personal data;***

Or. fr

Amendment 19

Andreas Schwab, Eva Paunova

**Draft opinion
Paragraph 2**

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Amendment

2. Supports the Commission's intention to remove ***technical and legal*** barriers to the free movement of data and data services and disproportionate data localisation requirements ***and to promote the interoperability of data*** by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Or. de

Amendment 20
Mihai Țurcanu

Draft opinion
Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the ***free flow of data proposal***; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Amendment

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the ***Free Flow of Data Initiative, on which a Communication is due to be published by the end of 2016***; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Or. ro

Amendment 21
Jiří Maštálka

Draft opinion
Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; ***considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;***

Amendment

2. Supports the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal;

Or. en

Amendment 22

Marco Zullo

Draft opinion

Paragraph 2

Draft opinion

2. Supports the Commission's intention to remove barriers to the free movement of data and data services ***and disproportionate data localisation requirements*** by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Amendment

2. Supports the Commission's intention to remove barriers to the free movement of data and data services by linking the European Cloud Initiative to the free flow of data proposal; considers that, in order to achieve a digital society, the free flow of data must be regarded as the fifth freedom within the Single Market;

Or. it

Amendment 23

Notis Marias

Draft opinion

Paragraph 2

Draft opinion

2. ***Supports*** the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; ***considers*** that, ***in order to achieve a digital society***, the ***free flow of data*** must ***be regarded as the fifth freedom within the Single Market***;

Amendment

2. ***Notes*** the Commission's intention to remove barriers to the free movement of data and data services and disproportionate data localisation requirements by linking the European Cloud Initiative to the free flow of data proposal; ***stresses*** that the ***proposed removal of barriers*** must ***take seriously into account the protection of personal and sensitive data***;

Or. el

Amendment 24

Jiří Maštálka

Draft opinion

Paragraph 2 a (new)

Draft opinion

Amendment

2a. Stresses the need to ensure a non-discriminatory approach to all data processing which has to be done in strict compliance with fundamental rights, in particular data protection legislation and effective privacy safeguards as set in the General Data Protection Regulation and the Data Protection Directive;

Or. en

Amendment 25

Marco Zullo

Draft opinion

Paragraph 2 a (new)

Draft opinion

Amendment

2a. Calls on the Commission to promote initiatives seeking to secure a

high level of technological independence in the cloud computing sector for the EU; points out that those initiatives should seek to protect data provided by private individuals and businesses and to raise skill levels and create jobs in the Union, with public-sector support;

Or. it

Amendment 26

Sergio Gutiérrez Prieto, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Marlene Mizzi

Draft opinion

Paragraph 2 a (new)

Draft opinion

Amendment

2a. Notes that a clear legal framework, sufficient skills and resources related to the management of macro data are prerequisites to unleash the full potential of cloud computing; asks the Commission for the prompt adoption of the free flow of data removing legal and technical obstacles to the free movement;

Or. en

Amendment 27

Vicky Ford

Draft opinion

Paragraph 2 a (new)

Draft opinion

Amendment

2a. Believes that there are many examples of it being desirable and appropriate for European companies to store and analyse or use data in jurisdictions outside the territory of the Union and that this should not be restricted;

Amendment 28

Mylène Troszczynski, Jean-Luc Schaffhauser

Draft opinion**Paragraph 3***Draft opinion*

3. *Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data;*

*Amendment**deleted*

Or. fr

Amendment 29

Morten Løkkegaard, Kaja Kallas, Dita Charanzová, Morten Helveg Petersen

Draft opinion**Paragraph 3***Draft opinion*

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data;

Amendment

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data *and to ensure a coherent strategy on open data and the reusability of this data across Member States; notes that the Commission and Member States must make further investments in cross-border physical infrastructure with special focus on combining High performance Computing, high speed connectivity and mass data storage facilities in order to realise a thriving European data economy;*

Amendment 30

Jiří Maštálka

Draft opinion

Paragraph 3

Draft opinion

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data;

Amendment

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data; ***reminds however that users fear of their data being stored outside Europe, which would lead to difficulties and legal stalemates in the event of disputes;***

Or. en

Amendment 31

Vicky Ford

Draft opinion

Paragraph 3

Draft opinion

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data;

Amendment

3. Recalls the positive results achieved by existing ***global and*** pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data; ***calls on the Commission to work with the cloud computing industry to drive innovation in cloud based technologies;***

Or. en

Amendment 32

Sergio Gutiérrez Prieto, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Nicola Danti, Marlene Mizzi, Evelyne Gebhardt

Draft opinion

Paragraph 3

Draft opinion

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data;

Amendment

3. Recalls the positive results achieved by existing pan-European structures and the open data available in the national data storage facilities; calls on the Commission and Member States to examine the potential of already available data *while securing adequate levels of cybersecurity regardless where this data are located;*

Or. en

Amendment 33

Kaja Kallas, Morten Løkkegaard, Dita Charanzová

Draft opinion

Paragraph 3 a (new)

Draft opinion

Amendment

3a. 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 34

Maria Grapini

Draft opinion

Paragraph 3 a (new)

Draft opinion

Amendment

3a. Stresses the need for collaborative development of a set of global standards on the exchange of data between the EU and the USA;

Or. ro

Amendment 35
Vicky Ford

Draft opinion
Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and *to prefer open and global* standards over proprietary standards whenever justified;

Amendment

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and ***which should aim to be in line with global and international*** standards over proprietary standards whenever justified; ***calls on the Commission to work as far as possible with industry led standard-setting initiatives to ensure that the single market remains accessible to third countries and responsive to technological evolution;***

Or. en

Amendment 36
Andreas Schwab, Eva Paunova

Draft opinion
Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly

Amendment

4. ***Stresses that it is essential to develop and agree on common standards***

used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

to ensure access to and the efficient use of data going beyond individual disciplines, institutions and national borders; calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Or. de

Amendment 37
Marco Zullo

Draft opinion
Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Amendment

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing *while at the same time preventing data whose use is not specified from being transferred*, and to prefer open and global standards over proprietary standards whenever justified;

Or. it

Amendment 38
Enrico Gasbarra

Draft opinion
Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly

Amendment

4. Calls on the Commission to identify best certification schemes and commonly

used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and to prefer open and global standards *over* proprietary standards whenever justified;

used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and to prefer open and global standards *to* proprietary standards whenever justified *and with due regard for privacy and EU data protection rules*;

Or. it

Amendment 39

Mylène Troszczynski, Jean-Luc Schaffhauser

Draft opinion

Paragraph 4

Draft opinion

4. Calls on the *Commission* to identify best certification schemes and commonly used standards for data sharing *across Member States*, to lay out a *market-driven pan-European* set of standards *facilitating* data sharing, and to prefer *open and global* standards *over proprietary standards whenever justified*;

Amendment

4. Calls on the *Member States* to identify best certification schemes and commonly used standards for data sharing, to lay out a set of standards *that can facilitate* data sharing, and to prefer *closed standards to open and global standards*;

Or. fr

Amendment 40

Sergio Gutiérrez Prieto, Virginie Rozière, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Nicola Danti

Draft opinion

Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a *market-driven* pan-European set of standards *facilitating* data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Amendment

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a pan-European set of standards *with involvement of relevant stakeholders to facilitate* data sharing, and to prefer open and global standards over proprietary standards

whenever justified;

Or. en

Amendment 41

Kaja Kallas, Morten Løkkegaard, Dita Charanzová

Draft opinion

Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, **and to prefer** open and global standards **over proprietary standards whenever justified**;

Amendment

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, **based on** open and global standards;

Or. en

Amendment 42

Philippe Juvin

Draft opinion

Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Amendment

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a market-driven pan-European set of **high** standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Or. fr

Amendment 43
Notis Marias

Draft opinion
Paragraph 4

Draft opinion

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a ***market-driven pan-European*** set of standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Amendment

4. Calls on the Commission to identify best certification schemes and commonly used standards for data sharing across Member States, to lay out a set of standards facilitating data sharing, and to prefer open and global standards over proprietary standards whenever justified;

Or. el

Amendment 44
Mihai Țurcanu

Draft opinion
Paragraph 4 a (new)

Draft opinion

Amendment

4a. Calls on the Commission to establish judiciously the conditions for non-participation (opt-out) in respect of open data access so as to avoid the risk of scientific protectionism;

Or. ro

Amendment 45
Mihai Țurcanu

Draft opinion
Paragraph 4 b (new)

Draft opinion

Amendment

4b. Believes that the development of a clear legislative framework and

broadly-accepted standards applicable to the digital age would enable cloud service providers to continue to innovate and will increase consumer confidence in adopting cloud solutions; considers that these measures should be complemented by the implementation of the European General Data Protection Regulation and Network and Information Security Directive;

Or. ro

Amendment 46

Mylène Troszczynski, Jean-Luc Schaffhauser

Draft opinion

Paragraph 5

Draft opinion

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives and digital accessibility;

Amendment

deleted

Or. fr

Amendment 47

Sergio Gutiérrez Prieto, Virginie Rozière, Marc Tarabella, Lucy Anderson, Nicola Danti

Draft opinion

Paragraph 5

Draft opinion

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps

Amendment

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions *and that this is not enough*; urges the Commission to

which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives and digital accessibility;

present targeted steps which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives and digital accessibility; ***notes that it is crucial to make full use of EU level funds to incentivise investments that strengthen the digital single market; public funds should especially be used to support innovative and pioneering initiatives to improve Europe-wide digital connectivity, such as the "Wifi4EU";***

Or. en

Amendment 48
Mihai Țurcanu

Draft opinion
Paragraph 5

Draft opinion

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives and digital accessibility;

Amendment

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives and digital accessibility; ***calls on the Commission also to bring forward proposals through which support could be provided for the European Open Science cloud outside the Horizon 2020 Framework Programme for Research and Innovation;***

Or. ro

Amendment 49
Philippe Juvin

Draft opinion
Paragraph 5

Draft opinion

5. **Highlights** that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives and digital accessibility;

Amendment

5. **Deplores the fact** that at present **only** 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could enhance the involvement of the EFSI in DSM-related projects **and projects focusing on providing infrastructure funding for the digital economy**, including data-sharing initiatives and digital accessibility;

Or. fr

Amendment 50

Morten Løkkegaard, Kaja Kallas, Dita Charanzová, Morten Helveg Petersen

Draft opinion

Paragraph 5

Draft opinion

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives **and** digital accessibility;

Amendment

5. Highlights that at present 12% of the financing committed under the European Fund for Strategic Investments goes to digital-related actions; urges the Commission to present targeted steps which could **genuinely** enhance the involvement of the EFSI in DSM-related projects, including data-sharing initiatives, digital accessibility **and infrastructure**;

Or. en

Amendment 51

Ildikó Gáll-Pelcz

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5a. Welcomes the arrangements made possible by the Horizon 2020 Framework Programme and the Edison project funding, which will speed up recognition of the profession of data scientist, and at the same time calls for the Commission, with the agreement of the Member States, to launch a new, large-scale development programme for high-ability jobs, which will offer high-quality professional opportunities, as well as supporting the return to the EU of young scientists working in other countries;

Or. hu

Amendment 52

Sergio Gutiérrez Prieto, Virginie Rozière, Marc Tarabella, Lucy Anderson, Nicola Danti, Marlene Mizzi, Evelyne Gebhardt

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5a. Points out the potential benefits for the public sector in using the cloud in key sectors such as public health both facilitating the work of professionals and patients welfare through the consultation of medical records regardless of their location while securing that there is no security breach leading to the disclosure of sensitive data;

Or. en

Amendment 53

Dita Charanzová, Morten Løkkegaard, Kaja Kallas

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5a. *Believes that this Initiative should be developed in synergy with other Horizon 2020 programmes, including on private cloud computing and e-government services; supports measures to strengthen research and development of European cloud computing applications in order to ensure that Europe is competitive worldwide;*

Or. en

Amendment 54

Eva Paunova, Andreas Schwab, Lambert van Nistelrooij, Ivan Štefanec, Antonio López-Istúriz White, Carlos Coelho, Birgit Collin-Langen

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5a. *Urges the Commission to identify Big Data and coding training opportunities for the industry also in the scope of the New Skills Agenda and to identify incentives for stakeholders, in particular SMEs, to use, open and share data in the Single Market;*

Or. en

Amendment 55

Maria Grapini

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5a. *Suggests that the Commission bear in mind in the regulation the situation regarding the exchange of data between*

third-country parties, including exchanges of data between small operators, so as to guarantee an appropriate level of security;

Or. ro

Amendment 56
Jan Philipp Albrecht

Draft opinion
Paragraph 5 a (new)

Draft opinion

Amendment

5a. Calls on the Commission to set the basis for a European Cloud by encouraging SMEs to offer competitive solutions for data processing and storage in facilities based in Member States;

Or. en

Amendment 57
Jan Philipp Albrecht

Draft opinion
Paragraph 5 b (new)

Draft opinion

Amendment

5b. Calls on the Commission to direct more resources towards boosting European research, development, innovation and training in the field of cloud computing, in particular privacy enhancing technologies and infrastructures, anonymisation and pseudonymisation procedures, cryptology, secure computing, the best possible security solutions including open-source security, and other information society services, and also to promote the internal market in European software, hardware, and encrypted means of communication and communication infrastructures;

stresses that no EU funding should be granted to projects having the sole purpose of developing tools for gaining illegal access into IT systems;

Or. en

Amendment 58

Sergio Gutiérrez Prieto, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Marlene Mizzi

Draft opinion

Paragraph 5 b (new)

Draft opinion

Amendment

5b. Supports the European Open Science Cloud as it facilitates the sharing of research data from research financed by public funds and supports the creation of a virtual environment where scientists and professionals can store, share, manage, analyse and reuse their research data across disciplines and borders, ending fragmentation and segmentation;

Or. en

Amendment 59

Sergio Gutiérrez Prieto, Virginie Rozière, Lucy Anderson, Olga Sehnalová, Nicola Danti, Marlene Mizzi

Draft opinion

Paragraph 5 c (new)

Draft opinion

Amendment

5c. Highlights the potential benefits of the European cloud for businesses such as professional offices in terms of savings in investments on equipment and software as well as operating expenses such as document storage, office management applications accounting, databases;

Amendment 60
Jan Philipp Albrecht

Draft opinion
Paragraph 5 c (new)

Draft opinion

Amendment

5c. Calls to encourage initiatives to further develop data protection and privacy and thus enhance the trustworthiness of European products and services as an EU selling point;

Or. en

Amendment 61
Jan Philipp Albrecht

Draft opinion
Paragraph 5 d (new)

Draft opinion

Amendment

5d. Calls on the Member States to make every effort to ensure better cooperation with a view to providing safe cloud computing, especially with regard to espionage and organised crime, in cooperation with the relevant EU bodies and agencies, for the protection of EU citizens and institutions, European companies, EU industry, and IT infrastructure and networks, as well as European research;

Or. en

Amendment 62
Sergio Gutiérrez Prieto, Virginie Rozière, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Nicola Danti, Marlene Mizzi, Evelyne Gebhardt

Draft opinion
Paragraph 5 d (new)

Draft opinion

Amendment

5d. *Believes that with cloud computing, the EU must maintain high standards of data protection, cyber security and interoperability, and that upholding high standards should be regarded as a competitive advantage for offering cloud services of the highest quality;*

Or. en

Amendment 63

Sergio Gutiérrez Prieto, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Marlene Mizzi

Draft opinion
Paragraph 5 e (new)

Draft opinion

Amendment

5e. *Notes that Europe is the largest producer of scientific knowledge in the world so this leadership should entail that data generated by research and industry in the European Union can be processed in the EU as means that can help to stop the brain drain;*

Or. en

Amendment 64
Jan Philipp Albrecht

Draft opinion
Paragraph 5 e (new)

Draft opinion

Amendment

5e. *Considers the active involvement*

*of EU stakeholders to be a precondition
for an effective exchange of information;*

Or. en

Amendment 65
Jan Philipp Albrecht

Draft opinion
Paragraph 5 f (new)

Draft opinion

Amendment

5f. *Points out that security threats
have become more international, diffuse
and complex, thereby requiring an
enhanced European cooperation;*

Or. en

Amendment 66
Jan Philipp Albrecht

Draft opinion
Paragraph 5 g (new)

Draft opinion

Amendment

5g. *Calls for commercial software and
hardware producers to be held responsible
for assuring safety and security standards
according to the available state of the art
technology and to be held liable despite
non-liability clauses in users' agreements;*

Or. en

Amendment 67
Jan Philipp Albrecht, Julia Reda

Draft opinion
Paragraph 5 h (new)

Draft opinion

Amendment

5h. *Welcomes the Commission's aim of promoting open science, notably through the initiatives on the European Open Science Cloud and the Open Science Policy Platform; notes that a comprehensive approach to open science is necessary, which encompasses infrastructure, interoperability, the update of legislation to facilitate the re-use of research results, as well as the involvement of the open science community, including citizen scientists;*

Or. en

Amendment 68
Ildikó Gáll-Pelcz

Draft opinion
Paragraph 6

Draft opinion

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve and benefit SMEs and consumers at European, national, regional and local levels.

Amendment

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve and benefit SMEs and consumers at European, national, regional and local levels; ***also recommends that a broad-based consultation be launched on issues such as management, gradual availability for all, type of use and data retention, with the direct involvement of the scientific community, and – via their representatives – ordinary citizens;***

Or. hu

Amendment 69
Morten Løkkegaard, Kaja Kallas, Dita Charanzová, Morten Helveg Petersen

Draft opinion
Paragraph 6

Draft opinion

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve and benefit SMEs and consumers at European, national, regional and local levels.

Amendment

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that ***awareness of*** the European Cloud Initiative ***must be increased among potential users and that it*** should involve and benefit ***all end-users, including researchers, start-ups***, SMEs and consumers at European, national, regional and local levels, ***while avoiding administrative burden***.

Or. en

Amendment 70

Sergio Gutiérrez Prieto, Virginie Rozière, Marc Tarabella, Lucy Anderson, Olga Sehnalová, Marlene Mizzi

Draft opinion
Paragraph 6

Draft opinion

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve and benefit SMEs and consumers at European, national, regional and local ***levels***.

Amendment

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve and benefit ***not only the scientific community, the industry and public administrations but also*** SMEs and consumers at European, national, regional and local ***level, so as to make full use of the potential of this initiative***.

Or. en

Amendment 71
Vicky Ford

Draft opinion
Paragraph 6

Draft opinion

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve and benefit SMEs and consumers at European, national, regional and local levels.

Amendment

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; ***notes that the Commission states that the success of the European Cloud Initiative relies on working together with the private sector;*** stresses that the European Cloud Initiative should involve and benefit SMEs and consumers at European, national, regional and local levels.

Or. en

Amendment 72
Notis Marias

Draft opinion
Paragraph 6

Draft opinion

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should ***involve*** and benefit SMEs and consumers at European, national, regional and local levels.

Amendment

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should ***meet the needs of*** and benefit SMEs and ***mainly*** consumers at European, national, regional and local levels.

Or. el

Amendment 73
Mylène Troszczynski, Jean-Luc Schaffhauser

Draft opinion
Paragraph 6

Draft opinion

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve

Amendment

6. Notes the underrepresentation of key stakeholders in the discussions and in Large Scale Pilot projects; stresses that the European Cloud Initiative should involve

and benefit SMEs and consumers at European, national, regional and local levels.

and benefit *European* SMEs and consumers at European, national, regional and local levels.

Or. fr

Amendment 74
Andreas Schwab, Eva Paunova

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6a. Points out that a more intensive use of cloud infrastructure is being hampered by security concerns; stresses the need to meet high standards of reliability, data protection and security in order to increase consumer and business confidence; calls on the Commission to take measures to strengthen confidence in cloud infrastructures;

Or. de

Amendment 75
Vicky Ford

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6a. Notes that the Commission aims to make all scientific data produced by H2020 Programme open by default; 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 and for clarity in implementation to enable this;

Amendment 76

Dita Charanzová, Morten Løkkegaard, Kaja Kallas

Draft opinion

Paragraph 6 a (new)

Draft opinion

Amendment

6a. Welcomes European Open Science Cloud as part of this strategy; underlines that such an initiative should seek to boost the knowledge economy while enabling great study and exchange within the whole Union, including academic institutions in the less developed regions;

Or. en

Amendment 77

Eva Paunova, Lambert van Nistelrooij, Ivan Štefanec, Antonio López-Istúriz White, Carlos Coelho, Birgit Collin-Langen

Draft opinion

Paragraph 6 a (new)

Draft opinion

Amendment

6a. Urges the Commission to provide more clarity on the definitions used in the Communication and in particular to create clear distinction between the European Cloud Initiative and the European Open Science Cloud;

Or. en

Amendment 78

Vicky Ford

Draft opinion

Paragraph 6 b (new)

Draft opinion

Amendment

6b. *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 79

Eva Paunova, Andreas Schwab, Lambert van Nistelrooij, Ivan Štefanec, Antonio López-Istúriz White, Carlos Coelho, Anna Maria Corazza Bildt

Draft opinion

Paragraph 6 b (new)

Draft opinion

Amendment

6b. *Supports the Commission initiative to increase the development and up-take of quantum super computers; Calls on the Commission to analyse possible partnerships with third countries regarding this matter;*

Or. en

Amendment 80

Dita Charanzová, Morten Løkkegaard

Draft opinion

Paragraph 6 b (new)

Draft opinion

Amendment

6b. *Asks the Member States to ensure that civic society and stakeholders are able to take part in the planning of cloud computing initiatives;*

Or. en

Amendment 81
Dita Charanzová, Morten Løkkegaard, Kaja Kallas

Draft opinion
Paragraph 6 c (new)

Draft opinion

Amendment

6c. Underlines that with all cloud computing initiatives that cybersecurity issues must be addressed in the planning stage and strong protective actions adopted to guarantee this infrastructure against cyberattacks; recalls the work done by ENISA in this regards and asks the Commission and Member States to ensure that the agency takes part in this initiative;

Or. en

Amendment 82
Dita Charanzová, Morten Løkkegaard, Kaja Kallas

Draft opinion
Paragraph 6 d (new)

Draft opinion

Amendment

6d. Welcomes the focus and support given to the use of big data; while underlining the need for strong security and privacy measures, believes that big data could present a vital asset for future academic and non-academic research;

Or. en