



**2016/2225(INI)**

19.12.2016

# **AMENDMENTS**

## **1 - 215**

**Draft report**

**Ana Gomes**

(PE592.279v01-00)

Fundamental rights implications of Big Data: privacy, data protection, non-discrimination, security and law-enforcement  
(2016/2225(INI))



**Amendment 1**  
**Notis Marias**

**Motion for a resolution**  
**Citation 1 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 2**  
**Notis Marias**

**Motion for a resolution**  
**Citation 1 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 application of the principles of Subsidiarity and Proportionality,*

Or. el

**Amendment 3**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

*Amendment*

- *having regard to the guidelines for the regulation of computerised personal data files of the United Nations General Assembly in its Resolution 45/95 of 14 December 1990,*

**Amendment 4**

**Axel Voss, Michał Boni, Jeroen Lenaers**

**Motion for a resolution**

**Citation 3 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard to the Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions ' A Digital Single Market Strategy for Europe ' of 6 May 2015 COM(2015)192 final;*

Or. en

**Amendment 5**

**Axel Voss, Michał Boni, Jeroen Lenaers**

**Motion for a resolution**

**Citation 6 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard to Opinion 8/2016 of the European Data Protection Supervisor of 23 September 2016 entitled ' EDPS Opinion on coherent enforcement of fundamental rights in the age of big data ',*

Or. en

**Amendment 6**

**Birgit Sippel**

**Motion for a resolution**

**Citation 6 a (new)**

*Motion for a resolution*

*Amendment*

- *having regard to Opinion 8/2016 of the European Data Protection Supervisor of 23 September 2016 entitled 'EDPS Opinion on coherent enforcement of fundamental rights in the age of big data',*

Or. en

**Amendment 7**  
**Marju Lauristin**

**Motion for a resolution**  
**Recital A**

*Motion for a resolution*

*Amendment*

A. *whereas big data refers to the recurring accumulation of large amounts of data, including personal data, from a variety of sources, which are subject to automatic processing by computer algorithms and advanced data-processing techniques in order to generate certain correlations, trends and patterns (big data analytics);*

*deleted*

Or. en

**Amendment 8**  
**Lorenzo Fontana**

**Motion for a resolution**  
**Recital A**

*Motion for a resolution*

*Amendment*

A. whereas big data refers to the recurring accumulation of large amounts of data, including personal data, from a variety of sources, which are subject to automatic processing by computer algorithms and advanced data-processing techniques in order to generate certain correlations, trends and patterns (big data analytics);

A. whereas big data refers to the recurring accumulation of large amounts of data, including personal data, from a variety of sources, which are subject to automatic **analysis and** processing by computer algorithms and advanced data-processing techniques in order to generate certain correlations, trends and patterns, **including for commercial purposes or for sale** (big data analytics);

**Amendment 9**

**Ana Gomes**

**Motion for a resolution**

**Recital A**

*Motion for a resolution*

A. whereas big data refers to the recurring accumulation of large amounts of data, including personal data, from a variety of sources, which are subject to automatic processing by computer algorithms and advanced data-processing techniques in order to generate certain correlations, trends and patterns (big data analytics);

*Amendment*

A. whereas big data refers to the recurring accumulation of large amounts of data, including personal data, from a variety of sources, which are subject to automatic processing by computer algorithms and advanced data-processing techniques, ***using both stored data and streamed data***, in order to generate certain correlations, trends and patterns (big data analytics);

Or. en

**Amendment 10**

**Axel Voss, Michał Boni, Brice Hortefeux, Jeroen Lenaers**

**Motion for a resolution**

**Recital A**

*Motion for a resolution*

A. whereas big data refers to the ***recurring accumulation*** of large amounts of data, ***including personal data***, from a variety of sources, which are subject to automatic processing by ***computer*** algorithms and advanced data-processing techniques in order to generate certain correlations, trends and patterns (big data analytics);

*Amendment*

A. whereas big data refers to the ***collection and analysis*** of large amounts of data ***and flows of information*** from a variety of sources, which are subject to automatic processing by algorithms and advanced data-processing techniques in order to generate certain correlations, ***conclusions***, trends and patterns (big data analytics);

Or. en

**Amendment 11**

**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

***A a. whereas certain big data use-cases involve the training of artificial intelligence appliances such as neuronal networks and statistical models in order to predict certain events and behaviours; whereas the training data often is of questionable quality and not neutral;***

Or. en

**Amendment 12**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar**

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

*Motion for a resolution*

*Amendment*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour and our societies;

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour and our societies; ***whereas third countries and Member States' intelligence services have been increasingly relying on the processing and analytics of such datasets, outside of any legal framework, or most recently through the adoption of legislations for which compatibility with EU primary and secondary law raises concerns and remains to be ascertained;***

Or. en

**Amendment 13**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour and our societies;

*Amendment*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour and our societies, *usually without users' knowledge*;

Or. fr

**Amendment 14**  
**Emilian Pavel**

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

*Motion for a resolution*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour and our societies;

*Amendment*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour, *private life* and our societies;

Or. en



**Amendment 15**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, provide unprecedented insight into human behaviour and our societies;

*Amendment*

B. whereas the progress of communication technologies and the ubiquitous use of electronic devices, monitoring gadgets, social media, web interactions and networks, including devices which communicate information without human interference, have led to the development of massive, ever-growing data sets which, through advanced processing techniques and analytics, *may* provide unprecedented insight into human behaviour and our societies;

Or. en

**Amendment 16**  
**Marju Lauristin**

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

*Motion for a resolution*

*B a. whereas big data refers to the recurring accumulation of large amounts of data, including personal data, from a variety of sources, which are subject to automatic processing by computer algorithms and advanced data-processing techniques in order to generate certain correlations, trends and patterns (big data analytics);*

*Amendment*

Or. en

**Amendment 17**  
**Lorenzo Fontana**

**Motion for a resolution**

## Recital C

### *Motion for a resolution*

C. whereas corporations, governments and organisations have taken advantage of such data sets and big data analytics to ***foster competitiveness, innovation, market prediction, targeted advertising, scientific research and policy making in the field of transportation, ‘smart cities’, law enforcement, transparency, public health and disaster response;***

### *Amendment*

C. whereas corporations, governments and organisations have taken advantage of such data sets and big data analytics to ***better target their study and understanding of trends and human behaviour in all sectors of interest;***

Or. it

## Amendment 18

Marie-Christine Vergiat

### Motion for a resolution

#### Recital C

### *Motion for a resolution*

C. whereas corporations, ***governments*** and organisations ***have taken*** advantage of such data sets and big data analytics to ***foster competitiveness, innovation, market prediction, targeted advertising,*** scientific research ***and*** policy making in the field of transportation, ‘***smart cities***’, law enforcement, transparency, public health ***and*** disaster response;

### *Amendment*

C. whereas ***an increasing number of*** corporations, ***public sector bodies*** and organisations ***of all kinds take*** advantage of such data sets and big data analytics to ***improve, in particular,*** scientific research, policy making in the field of transportation, ***the environment, taxation,*** law enforcement, transparency, public health ***or improving*** disaster response, ***but also to increase private profit, market forecasts and targeted advertising;***

Or. fr

## Amendment 19

Axel Voss, Brice Hortefeux, Monika Hohlmeier

### Motion for a resolution

#### Recital C

### *Motion for a resolution*

C. whereas corporations, governments

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### *Amendment*

C. whereas corporations, ***companies,***

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and organisations have taken advantage of such data sets and big data analytics to foster competitiveness, innovation, market prediction, targeted advertising, scientific research and policy making in the field of transportation, ‘smart cities’, law enforcement, transparency, public health and disaster response;

governments, *political leaders* and organisations have taken advantage of such data sets and big data analytics to foster competitiveness, innovation, market prediction, *political campaigns*, targeted advertising, scientific research and policy making in the field of transportation, *political elections and outcomes*, , ‘smart cities’, law enforcement, transparency, public health and disaster response;

Or. en

**Amendment 20**  
**Michał Boni, Carlos Coelho**

**Motion for a resolution**  
**Recital C**

*Motion for a resolution*

C. whereas *corporations*, governments and organisations have *taken advantage* of such data sets and big data analytics to foster competitiveness, innovation, market prediction, targeted advertising, scientific research and policy making in the field of transportation, ‘smart cities’, law enforcement, transparency, public health and disaster response;

*Amendment*

C. whereas *business*, governments, *academia and scientific community* and organisations have *benefited* of such data sets and big data analytics to foster competitiveness, innovation, market prediction, targeted advertising, scientific research and policy making in the field of transportation, ‘smart cities’, *financial services*, law enforcement, transparency, public health and disaster response;

Or. en

**Amendment 21**  
**Emilian Pavel**

**Motion for a resolution**  
**Recital C**

*Motion for a resolution*

C. whereas *corporations, governments and organisations* have taken advantage of such data sets and big data analytics to foster competitiveness, innovation, market prediction, targeted

*Amendment*

C. whereas *both the private and public sectors* have taken advantage of such data sets and big data analytics to foster competitiveness, innovation, market prediction, targeted advertising, scientific

advertising, scientific research and policy making in the field of transportation, ‘smart cities’, law enforcement, transparency, public health and disaster response;

research and policy making in the field of transportation, ‘smart cities’, law enforcement, transparency, public health and disaster response;

Or. en

**Amendment 22**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

***C a. whereas the big data market is growing as the technology and process of data-driven decision making is increasingly accepted as a solution;***

Or. en

**Amendment 23**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

***C b. whereas there is no methodology yet to make an evidence-based assessment of the impact of big data but there is evidence proving that big data analytics and decision making solutions have the potential to have a significant impact in a wide range of application areas horizontally across both the public and private sectors;***

Or. en

**Amendment 24**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

*C c. whereas big data in decision making would ultimately provide a competitive advantage to European companies by improving business-critical management while the public sector would benefit from an increase in efficiency through greater insights on socio-economic developments at different scales;*

Or. en

**Amendment 25**

**Axel Voss, Michal Boni, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

*Amendment*

D. whereas big data has the potential to bring ***undeniable*** benefits and opportunities for citizens, businesses and governments, ***but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;***

D. whereas big data has the potential to bring benefits and opportunities for citizens, businesses and governments ***as well as risks to data security and privacy;***

Or. en

**Amendment 26**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar**

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

*Motion for a resolution*

*Amendment*

D. whereas big data has the potential to bring undeniable benefits and

D. whereas big data has the potential to bring undeniable benefits and

opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;

opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law; *whereas the interest of the individual as well as the protection of fundamental rights ought to be further scrutinized in the context of big data mergers;*

Or. en

**Amendment 27**  
**Birgit Sippel**

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

*Motion for a resolution*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;

*Amendment*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights *such as the right to privacy and data protection, but also to other fundamental rights, including freedom of expression and non-discrimination*, as guaranteed by the EU Charter and Union law;

Or. en

**Amendment 28**  
**Emilian Pavel**

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

*Motion for a resolution*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection

*Amendment*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection

of fundamental rights as guaranteed by the EU Charter and Union law;

of fundamental rights as guaranteed by the EU Charter *of Fundamental Rights* and Union law, *such as data protection and privacy*;

Or. en

**Amendment 29**  
**Notis Marias**

**Motion for a resolution**  
**Recital Δ**

*Motion for a resolution*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;

*Amendment*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law, *such as the right to privacy*;

Or. el

**Amendment 30**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;

*Amendment*

D. whereas big data has the potential to bring undeniable benefits and opportunities for citizens, *academia and scientific community*, businesses and governments, but also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;

Or. en

**Amendment 31**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

D. whereas big data has the potential to bring **undeniable** benefits and opportunities for citizens, businesses and governments, **but** also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter and Union law;

*Amendment*

D. whereas, **whilst** big data has the potential to bring benefits and opportunities for citizens, businesses and governments, **it** also entails significant risks, namely with regard to the protection of fundamental rights as guaranteed by the EU Charter **of *Fundamental Rights*** and Union law;

Or. fr

**Amendment 32**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

***D a. whereas media reports have revealed the scale of personalised and targeted communication in political campaigns, not only, but also in the context of elections in the United States for several years now, and more recently in the context of the UK "Brexit" referendum;***

*Amendment*

Or. en

**Amendment 33**  
**Axel Voss, Michał Boni, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

***D a. whereas the Commission's Digital***

*Amendment*



*Single Market Strategy for Europe  
recognise the potential of data-driven  
technologies, services and big data as  
catalyst for economic growth, innovation  
and digitalisation in the EU;*

Or. en

**Amendment 34**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

*D a. whereas we observe a blurring  
difference between personal and non-  
personal data emerging from the use of  
big data and big data analytics has the  
potential to create new personal data;*

Or. en

**Amendment 35**  
**Axel Voss, Michał Boni, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

*Amendment*

*D b. whereas the big data sector is  
growing by 40% per year, seven times  
faster than the IT market;*

Or. en

**Amendment 36**  
**Axel Voss, Michał Boni, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

*Amendment*

***D c. whereas big data has a huge unrealised potential as a driver of productivity and as a way of offering better products and services to citizens;***

Or. en

**Amendment 37**

**Axel Voss, Michal Boni, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

**Motion for a resolution**

**Recital D d (new)**

*Motion for a resolution*

*Amendment*

***D d. whereas big data can increase the operational efficiency and targeting of service delivery in the public sector;***

Or. en

**Amendment 38**

**Axel Voss, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

**Motion for a resolution**

**Recital E**

*Motion for a resolution*

*Amendment*

***E. whereas the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are characterised by a high degree of opacity;***

*deleted*

Or. en

**Amendment 39**

**Ana Gomes, Birgit Sippel**

**Motion for a resolution**

**Recital E**

*Motion for a resolution*

E. whereas the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are characterised by a high degree of opacity;

*Amendment*

E. whereas the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are characterised by a high degree of opacity, ***which hinders the capacity of citizens and authorities to assess the processes and purpose of the collection, compilation, analysis and use of personal data, along with the appropriateness of security measures and safeguards applied for its protection or lack thereof;***

Or. en

**Amendment 40**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

E. whereas the pervasiveness of sensors, extensive ***routine data production and contemporary*** data-processing activities are characterised by a high degree of opacity;

*Amendment*

E. whereas the ***techniques employed involve, in particular, the*** pervasiveness of sensors, ***the retrieval and processing of*** extensive ***amounts of data, their use and dissemination for ever-increasing, inter-connecting purposes, and whereas these*** data-processing activities are characterised by a high degree of opacity;

Or. fr

**Amendment 41**  
**Emilian Pavel**

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

*Motion for a resolution*

E. whereas the pervasiveness of sensors, extensive routine data production and ***contemporary*** data-processing

*Amendment*

E. whereas the pervasiveness of sensors, extensive routine data production and data-processing activities ***could raise***

activities *are characterised by a high degree of opacity*;

*challenges with regards to transparency, user control, data protection and accountability*;

Or. en

#### **Amendment 42**

**Notis Marias**

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

**Recital E**

*Motion for a resolution*

E. *whereas* the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are characterised by a high degree of opacity;

*Amendment*

E. *deploring the fact that* the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are characterised by a high degree of opacity;

Or. el

#### **Amendment 43**

**Michał Boni, Carlos Coelho**

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

**Recital E**

*Motion for a resolution*

E. whereas the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are *characterised by a high degree of opacity*;

*Amendment*

E. whereas the pervasiveness of sensors, extensive routine data production and contemporary data-processing activities are *not always transparent enough*;

Or. en

#### **Amendment 44**

**Ana Gomes**

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

**Recital E a (new)**

*Motion for a resolution*

*Amendment*

***E a. (new) whereas the generalised use of smart devices, networks and web applications by citizens, businesses and organisations cannot be considered an indication of satisfaction with the products offered, but rather a general resignation with the fact that these services have become indispensable to live, communicate and work, despite the lack of understanding of the risks they might entail to our well being, security and rights;***

Or. en

**Amendment 45**

**Ana Gomes**

**Motion for a resolution**

**Recital E b (new)**

*Motion for a resolution*

*Amendment*

***E b. (new) whereas the concentration of large datasets produced by new technologies offers crucial information for large corporations, which triggers unprecedented shifts in the balance of power between citizens, governments and private actors; whereas such concentration of power in the hands of corporations might consolidate monopolies and abusive practices, and have a detrimental effect in consumers' rights and in fair market competition;***

Or. en

**Amendment 46**

**Marju Lauristin**

**Motion for a resolution**

**Recital F**

*Motion for a resolution*

F. whereas ***biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can trigger flawed decision-making procedures;***

*Amendment*

F. whereas ***the misuse of big data results can have*** legal, social and ethical implications;

Or. en

**Amendment 47**  
**Emilian Pavel**

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

*Motion for a resolution*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, ***errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can*** trigger flawed decision-making procedures;

*Amendment*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations ***and other errors may*** trigger flawed decision-making procedures;

Or. en

**Amendment 48**  
**Ana Gomes**

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

*Motion for a resolution*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can trigger flawed decision-making procedures;

*Amendment*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can trigger flawed decision-making procedures,

*with a detrimental impact on our societies, the lives and opportunities of citizens, and in particular for marginalised groups;*

Or. en

**Amendment 49**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can **trigger** flawed decision-making procedures;

*Amendment*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications, ***the risk of use for discriminatory or fraudulent purposes*** and the marginalisation of the role of humans in these processes can **result in** flawed ***or even dangerous*** decision-making procedures;

Or. fr

**Amendment 50**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

F. whereas ***biased algorithms and other analytical tools, low quality of data,*** spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can trigger flawed decision-making procedures;

*Amendment*

F. whereas ***a low quality of these processes could lead to biased algorithms,*** spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can trigger flawed decision-making procedures;

Or. en

## Amendment 51

Axel Voss

### Motion for a resolution

#### Recital F

##### *Motion for a resolution*

F. whereas *biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes can trigger flawed decision-making procedures;*

##### *Amendment*

F. whereas *a differentiation between data quantity and data quality is necessary in order to allow the effective use of big data (algorithms and other analytic tools), which has the potential to transform economies, delivering a new wave of productivity and consumer surplus;*

Or. en

## Amendment 52

Notis Marias

### Motion for a resolution

#### Recital ΣT

##### *Motion for a resolution*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes *can* trigger flawed decision-making procedures;

##### *Amendment*

F. whereas biased algorithms and other analytical tools, low quality of data, spurious correlations, errors, the underestimation of legal, social and ethical implications and the marginalisation of the role of humans in these processes trigger flawed decision-making procedures;

Or. el

## Amendment 53

Ana Gomes

### Motion for a resolution

#### Recital F a (new)

##### *Motion for a resolution*

##### *Amendment*

*F a. (new) Whereas data analysis and algorithms increasingly impact on the*



*information made accessible to citizens; whereas such techniques, if misused, may endanger fundamental rights to information and well as media freedom and pluralism; whereas the system of public broadcasting in Member States is directly related to the democratic, social and cultural needs of each society and to the need to preserve media pluralism, as stated in the Protocol on the system of public broadcasting in the Member States to the Amsterdam Treaty (11997D/PRO/09);*

Or. en

**Amendment 54**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

*F a. Whereas leaks of personal data or non- personal data that can re-identify a data subject would obviously impact upon the reputation of companies as a breach of security can have significant business implications;*

Or. en

**Amendment 55**  
**Ana Gomes**

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

*Motion for a resolution*

*Amendment*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources,

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources,

retained for unlimited amounts of time, have all created great uncertainty for both citizens and businesses over the specific requirements for compliance with general data-protection principles;

retained for unlimited amounts of time, have all created great uncertainty for both citizens and businesses over the specific requirements for compliance with general data-protection *law, namely the levels of safeguards granted by the principles of data minimisation, fairness, consent, access, lawful processing, portability, purpose limitation, accuracy, retention limitation and security;*

Or. en

**Amendment 56**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, have all created great uncertainty for **both** citizens **and businesses** over the specific requirements for compliance with general data-protection principles;

*Amendment*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources, **the risk of fraud and fraudulent or even malicious or criminal use**, retained for unlimited amounts of time, have all created great uncertainty for citizens, **businesses and public authorities alike** over the specific requirements for compliance with general data-protection principles;

Or. fr

**Amendment 57**  
**Axel Voss, Michał Boni, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

G. whereas the proliferation of data processing and analytics, the multitude of

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*Amendment*

G. whereas the proliferation of data processing and analytics, the multitude of

actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, have all created great uncertainty for both citizens and businesses over the specific requirements for compliance with general data-protection principles;

actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, have all created great uncertainty for both citizens and businesses over the specific requirements for compliance with general data-protection principles ***but entail significant chances for citizens, mankind, business and economy;***

Or. en

**Amendment 58**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, have all created great uncertainty for both citizens and businesses over the specific requirements for compliance with ***general data-protection principles;***

*Amendment*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining, processing and sharing data and the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, have all created great uncertainty for both citizens and businesses over the specific requirements for compliance with ***data protection legislation;***

Or. en

**Amendment 59**  
**Emilian Pavel**

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

*Motion for a resolution*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining,

*Amendment*

G. whereas the proliferation of data processing and analytics, the multitude of actors involved in collecting, retaining,

processing *and* sharing *data and* the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, *have all created great* uncertainty *for both citizens and businesses* over the specific requirements for compliance with general data-protection principles;

processing, sharing *and data storage as well as* the combination of large data sets containing personal data from a variety of sources, retained for unlimited amounts of time, *could create* uncertainty over the specific requirements for compliance with general data-protection principles;

Or. en

**Amendment 60**  
**Monica Macovei**

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

*Motion for a resolution*

*Amendment*

*G a. whereas the use of data for profiling may be beneficial for providing better services and detecting fraud, and this technique can affect individuals by placing them in fixed categories, and thus the collection and processing of personal data regarding profiling should be transparent and lawful*

Or. en

**Amendment 61**  
**Ana Gomes**

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

*Motion for a resolution*

*Amendment*

*G a. (new) whereas there are a lot of unstructured legacy systems of vast volumes of data, that companies have been collecting for years, with unclear data governance systems, that need to systematically be brought into compliance;*

Or. en

**Amendment 62**  
**Marju Lauristin**

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

*Motion for a resolution*

**1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive algorithms;**

*Amendment*

*deleted*

Or. en

**Amendment 63**  
**Axel Voss, Jeroen Lenaers**

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

*Motion for a resolution*

**1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed *for judging the results of such analysis and its predictive algorithms*;**

*Amendment*

**1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed;**

Or. en

**Amendment 64**  
**Ana Gomes, Birgit Sippel**

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

*Motion for a resolution*

**1. Emphasises that information**

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*Amendment*

**1. Emphasises that information**

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revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive algorithms;

revealed by big data analysis ***does not offer an objective and impartial overview of any subject matter and*** is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive algorithms;

Or. en

## **Amendment 65** **Notis Marias**

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

#### *Motion for a resolution*

1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive algorithms;

#### *Amendment*

1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive algorithms ***which will respect the rights and freedoms of individuals;***

Or. el

## **Amendment 66** **Marie-Christine Vergiat**

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

#### *Motion for a resolution*

1. Emphasises that information revealed by big data analysis ***is only as reliable as*** the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of ***such*** analysis and its predictive algorithms;

#### *Amendment*

1. Emphasises that information revealed by big data analysis ***can only achieve a sufficient level of reliability if*** the underlying data permits, and that strong scientific and ethical standards are therefore needed for ***managing data collection and*** judging the results of ***their*** analysis and its predictive algorithms;

**Amendment 67**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

1. Emphasises that **information revealed by big data analysis is only as reliable as the underlying data permits, and that** strong scientific and ethical standards **are therefore needed for judging** the results of **such** analysis and its predictive algorithms;

*Amendment*

1. Emphasises that **compliance with the current data protection legislation, together with** strong scientific and ethical standards **will ensure that** the results of **big data** analysis and its predictive algorithms **contribute to establish trust and reliability of these solutions;**

Or. en

**Amendment 68**  
**Beatrix von Storch**

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

*Motion for a resolution*

1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and **ethical** standards are therefore needed for judging the results of such analysis and its predictive algorithms;

*Amendment*

1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and **legal** standards are therefore needed for judging the results of such analysis and its predictive algorithms;

Or. de

**Amendment 69**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive *algorithms*;

1. Emphasises that information revealed by big data analysis is only as reliable as the underlying data permits, and that strong scientific and ethical standards are therefore needed for judging the results of such analysis and its predictive *analysis*;

Or. en

**Amendment 70**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

***1 a. Emphasises that even if such scientific and ethical standards are met, predictive analysis based on big data can only offer a statistical probability and by no means can predict individual behaviour;***

Or. en

**Amendment 71**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

***1 b. Points out that sensitive information about persons can be inferred from non-sensitive data, which blurs the line between sensitive and non-sensitive data;***

Or. en

**Amendment 72**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when **public trust in** these technologies is ensured by strong enforcement of fundamental rights **and** legal certainty **for** all actors **involved**;

*Amendment*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when **the use of** these technologies is ensured by strong enforcement of **the standards and legislation to protect** fundamental rights, **the transparency of the instruments used and the proper provision of information to the audiences concerned in order to guarantee** legal certainty **and ensure or re-establish trust among** all actors **and audiences concerned**;

Or. fr

**Amendment 73**  
**Birgit Sippel**

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

*Motion for a resolution*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved;

*Amendment*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved; **stresses that the processing of personal data can only be done on the basis of the consent of the person concerned or some other legitimate basis laid down by law**;

Or. en

**Amendment 74**  
**Beatrix von Storch**

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

*Motion for a resolution*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved;

*Amendment*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved; ***insists that state bodies, when using these technologies, be strictly bound by the law;***

Or. de

**Amendment 75**  
**Fernando Ruas**

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

*Motion for a resolution*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved;

*Amendment*

2. Stresses that the prospects and opportunities of big data can only be fully enjoyed by citizens, corporations, governments and institutions when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved, ***within a modern, transparent and harmonised regulatory framework in the field of data protection;***

Or. pt

**Amendment 76**  
**Emilian Pavel**

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

*Motion for a resolution*

2. Stresses that the prospects and

*Amendment*

2. Stresses that the prospects and

opportunities of big data can only be fully enjoyed by citizens, **corporations, governments and institutions** when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved;

opportunities of big data can only be fully enjoyed by citizens, **as well as by the private and public sectors** when public trust in these technologies is ensured by strong enforcement of fundamental rights and legal certainty for all actors involved **considers that it is crucial that information is protected both in flow and at rest;**

Or. en

### **Amendment 77**

**Michał Boni, Carlos Coelho, Axel Voss**

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

##### *Motion for a resolution*

2. Stresses that the prospects and opportunities of big data **can only** be fully enjoyed by citizens, **corporations, governments and institutions** **when** public trust in these technologies **is** ensured by strong enforcement of fundamental rights and legal certainty for all actors involved;

##### *Amendment*

2. Stresses that the prospects and opportunities of big data **to** be fully enjoyed by citizens, **business, academia and scientific community**, governments and institutions **require** public trust in these technologies ensured by strong enforcement of fundamental rights and legal certainty for all actors involved;

Or. en

### **Amendment 78**

**Axel Voss, Michał Boni, Jeroen Lenaers, Monika Hohlmeier**

#### **Motion for a resolution Paragraph 2 a (new)**

##### *Motion for a resolution*

##### *Amendment*

**2 a. Underlines that big data analytics create added value in several ways and that there are a number of positive examples: Big data analytics in weather research help to analyse and fight climate change. In healthcare big data tools help predicting virus epidemics and the outbreak of diseases as Malaria or**

*Cholera. Healthcare interventions and medication therapy for cancer patients can be more tailored to individual patient's circumstances using big data. Big data helps to make cities smarter by reducing street lightening energy consumption, optimizing the timing of traffic signals and so reducing tones of CO2 emissions and it is an useful tool for traffic management and air quality management as well. Big data analytics help companies to uncover the potential for slavery in their supply chains and to mitigate it. Big data also helps to predict hunger crises and riots in areas of conflict. Sophisticated big data analytics predict when the maintenance of aircraft turbines is necessary. This reduce the maintenance operation and disruption for airlines, it improves the efficiencies and makes aircrafts safer. Big data makes wind power smarter through analytics and big data tools help to increase power generation and to reduce maintenance costs. Big data helps to improve working conditions and to reduce burn-out rates of employees;*

Or. en

**Amendment 79**  
**Ana Gomes, Birgit Sippel**

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

*Motion for a resolution*

*Amendment*

*2 a. (new) Notes that education and awareness over fundamental rights is urgently needed in the EU; urges the EU and Member States to invest in digital literacy and awareness-raising of digital rights, privacy and data protection among citizens, including children; underlines that this type of education needs to address the understanding of the principles/logic of how algorithms and automated decision-making processes*

*work and how to interpret them in a meaningful way; further notes the need to educate on fostering understanding on where and how data streams are collected (i.e. web scraping, combining streaming data with data of social networks and connected devices and aggregating that into a new data stream);*

Or. en

**Amendment 80**  
**Birgit Sippel, Ana Gomes**

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

*Motion for a resolution*

*Amendment*

*2 a. Points out that the border between personal and non-personal data is getting more and more blurred through the technological possibility to generate personal data through the analysis of non-personal data and that the General Data Protection Regulation does not fully cover this phenomenon;*

Or. en

**Amendment 81**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

*2 a. Emphasises that there is a need to promote an education system creating the basis for understanding the opportunities and risks of big data and develop accordingly the curricula in informatics throughout the Member States at all levels of education;*

Or. en

**Amendment 82**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

**2 a. Stresses that big data may not only result in infringements of the fundamental rights of individuals, but also in different treatments and indirect discrimination for groups of persons that have similar characteristics;**

Or. en

**Amendment 83**  
**Monica Macovei**

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

*Motion for a resolution*

*Amendment*

**2 a. Calls for increased dialogue and cooperation between data protection, consumer and competition authorities in order to protect the rights and interests of individuals, including the rights to life and security**

Or. en

**Amendment 84**  
**Emilian Pavel**

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

*Motion for a resolution*

*Amendment*

**2 a. Believes that the data economy should be built with the citizen at the centre and in control of personal data;**

**Amendment 85**  
**Ana Gomes, Birgit Sippel**

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

*Motion for a resolution*

*Amendment*

**2 b. (new) Highlights that big data-types of processing of personal data, which often encompass indefinite periods of retention of data without a specific identified purpose, are contrary to the data protection principles of purpose limitation and limits on retention; alerts therefore that such data processing and retention is only allowed under EU law if the data is properly anonymised, and where there is no risk of re-identification under likely and reasonable means;**

Or. en

**Amendment 86**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

**2 b. Stresses that the poor knowledge of citizens about the nature of big data allows the use of personal information in unintended ways;**

Or. en

**Amendment 87**  
**Monica Macovei**

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

*Motion for a resolution*

*Amendment*

**2 b. *Emphasises that transparency is key to building public trust and protecting individual rights***

Or. en

**Amendment 88**  
**Ana Gomes, Birgit Sippel**

**Motion for a resolution**  
**Paragraph 2 c (new)**

*Motion for a resolution*

*Amendment*

**2 c. *Believes that large public and private investment is needed to develop and make the most of Privacy Enhancing Technologies; believes that the incorporation of such technologies could grant enormous competitive advantage to EU businesses and services; calls for a concerted public and private strategy to enhance the EU as a world leader in this field;***

Or. en

**Amendment 89**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

*Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation ***and anonymisation*** techniques, insofar as there are risks of re-identification, ***or, in any case, when use of non-personal data***

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation techniques, insofar as there are risks of re-identification;



*might impact on individuals' private lives or other rights and freedoms;*

Or. en

## **Amendment 90**

**Axel Voss, Brice Hortefeux, Jeroen Lenaers**

### **Motion for a resolution**

#### **Paragraph 3**

##### *Motion for a resolution*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, **are** applicable to data processing ***even when that*** processing is preceded by pseudonymisation **and anonymisation** techniques, ***insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;***

##### *Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, ***is*** applicable to data processing ***when re-identification remains possible, e.g. when*** processing is preceded by pseudonymisation techniques, ***as it is still considered to be personal data;***

Or. en

## **Amendment 91**

**Birgit Sippel**

### **Motion for a resolution**

#### **Paragraph 3**

##### *Motion for a resolution*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

##### *Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality, ***data minimisation, purpose limitation*** and non-discrimination ***as well as the right of individuals to receive information regarding the logic involved in the automated decision-making and profiling and the right to seek redress,*** are applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation

techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

Or. en

**Amendment 92**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

*Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality, ***the rejection of profiling*** and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are ***unforeseeable*** risks of re-identification, or, in any case, when use of non-personal data might ***lead to the stigmatisation of whole sections of the population and*** impact on individuals' private lives or other rights and freedoms ***guaranteed by national and European laws and international conventions***;

Or. fr

**Amendment 93**  
**Beatrix von Storch**

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

*Motion for a resolution*

3. ***Points*** out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data

*Amendment*

3. ***Stresses the importance of the right to anonymity***; ***points*** out that Union law for the protection of privacy and personal data, as well as the rights to

processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

Or. de

**Amendment 94**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation **and** anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

*Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is preceded by pseudonymisation **techniques, and by** anonymisation techniques insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

Or. en

**Amendment 95**  
**Valdemar Tomaševski**

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

*Motion for a resolution*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is

*Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, are applicable to data processing even when that processing is

preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and *freedoms*;

preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and *civil liberties*;

Or. pl

## **Amendment 96** **Notis Marias**

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

#### *Motion for a resolution*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, *are* applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

#### *Amendment*

3. Points out that Union law for the protection of privacy and personal data, as well as the rights to equality and non-discrimination, *should be* applicable to data processing even when that processing is preceded by pseudonymisation and anonymisation techniques, insofar as there are risks of re-identification, or, in any case, when use of non-personal data might impact on individuals' private lives or other rights and freedoms;

Or. el

## **Amendment 97** **Axel Voss, Michał Boni, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

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

#### *Motion for a resolution*

#### *Amendment*

***3 a. Underlines that the Digital Single Market must be built on reliable, trustworthy and high-speed networks and services that safeguard data subject's fundamental rights to data protection and privacy while also encouraging innovation and big data analytics in order to create the right conditions and a level***

*playing field to boost European (digital) economy;*

Or. en

**Amendment 98**  
**Marju Lauristin**

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

*Motion for a resolution*

*Amendment*

**3 a. Highlights that privacy by design is an indispensable tool for big data, allowing for early implementation of relevant controls that are protecting the individuals' personal data by default;**

Or. en

**Amendment 99**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

**3 a. Recalls that under the GDPR, the further processing of personal data for statistical purposes may only result in aggregate data which cannot be re-applied to individuals;**

Or. en

**Amendment 100**  
**Ana Gomes**

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

*Motion for a resolution*

*Amendment*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to *the logic of* data processing and analytics by businesses, *as an essential tool to guarantee the individuals' informed and meaningful consent over the use of their personal data, which often entails long periods of retention and repurposing*;

Or. en

**Amendment 101**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

*Amendment*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency *and for algorithmic accountability* with regard to data processing and analytics by businesses; *recalls that the GDPR already foresees a right to be informed about the logic involved in data processing*;

Or. en

**Amendment 102**  
**Birgit Sippel, Ana Gomes**

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

*Motion for a resolution*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

*Amendment*

4. Takes the view that transparency, fairness, **lawfulness**, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses, **public authorities and any other actors that use big data analytics**;

Or. en

**Amendment 103**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of **corporations**, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

*Amendment*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of **business**, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses **and compliance with the current data protection legislation**;

Or. en

**Amendment 104**  
**Axel Voss, Brice Hortefeux, Jeroen Lenaers**

## Motion for a resolution

### Paragraph 4

#### *Motion for a resolution*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

#### *Amendment*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses, ***administrations, decision makers and public actors***;

Or. en

## Amendment 105

Marie-Christine Vergiat

## Motion for a resolution

### Paragraph 4

#### *Motion for a resolution*

4. Takes the view that transparency, ***fairness***, accountability and control over personal data are core values through which specific rights and obligations are derived, and which ***should*** guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

#### *Amendment*

4. Takes the view that ***education, information, equality***, transparency, ***equality***, accountability and control over personal data are core values through which specific rights and obligations are derived, and which ***must*** guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

Or. fr

## Amendment 106

Lorenzo Fontana

## Motion for a resolution

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## Paragraph 4

### *Motion for a resolution*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

### *Amendment*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and ***important*** obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

Or. it

## Amendment 107

Emilian Pavel

### Motion for a resolution

#### Paragraph 4

### *Motion for a resolution*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of ***corporations***, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

### *Amendment*

4. Takes the view that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of ***the private sector***, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

Or. en

## Amendment 108

Notis Marias

### Motion for a resolution

#### Paragraph 4

*Motion for a resolution*

4. **Takes the view** that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

*Amendment*

4. **Stresses** that transparency, fairness, accountability and control over personal data are core values through which specific rights and obligations are derived, and which should guide the action of corporations, public authorities and other actors that use data to frame their decision-making procedures; emphasises the need for much greater transparency with regard to data processing and analytics by businesses;

Or. el

**Amendment 109**  
**Ana Gomes**

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

*Motion for a resolution*

**Amendment 110**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

*Amendment*

**4 a. (new) Notes with concern that current models of giving consent by consumers, expressed through the acceptance by data subjects of complex, long and unintelligible Terms and Obligations, do not comply with the standards of EU law; highlights, in this context, the need to ensure, through transparency of the logic of data processing, the ability of the consumer to make autonomous decisions regarding their preferences and choices;**

Or. en

**4a. Stresses the importance of reinforcing the right of users of connected objects to be informed and to be able to refuse the collection and use of their personal data collected for purposes other than those clearly provided for by the normal use of the connected objects in question;**

Or. fr

**Amendment 111  
Birgit Sippel**

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

*Motion for a resolution*

*Amendment*

**4 a. Is concerned that the concentration in digital markets stifles competition and thus choice and could harm the rights of data subjects and consumers, including with regard to mergers;**

Or. en

**Amendment 112  
Birgit Sippel**

**Motion for a resolution  
Paragraph 5**

*Motion for a resolution*

*Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics; ***underlines the necessity for closer collaboration among regulators of conduct in the digital***

*environment, thus strengthening the synergies between regulatory frameworks for consumers, antitrust and data protection and proposes to further explore the possibility of setting up a Digital Clearing House [1]; furthermore calls for adequate funding and staffing of such authorities;*

*[1] Opinion 8/2016 of the European Data Protection Supervisor of 23 September 2016 entitled 'EDPS Opinion on coherent enforcement of fundamental rights in the age of big data', p. 15.*

Or. en

**Amendment 113**  
**Ana Gomes**

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

*Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

*Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics; ***further highlights the urgent need for more, and also informal, forms of cooperation between the industry, the regulators, the Commission and the legislator, as requested by the industry, in order to foster the culture of compliance and facilitate the processes to find more methods to create privacy and data protection by design and default, and to discuss current issues;***

Or. en

**Amendment 114**  
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**Fernando Ruas**

**Motion for a resolution  
Paragraph 5**

*Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

*Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty ***and security*** concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics, ***so as to ensure a high level of protection for citizens' individual rights***;

Or. pt

**Amendment 115  
Axel Voss, Jeroen Lenaers**

**Motion for a resolution  
Paragraph 5**

*Motion for a resolution*

5. Highlights the ***fundamental*** role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the ***coming years and decades*** to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

*Amendment*

5. Highlights the role that the Commission, the European Data Protection Board and other independent ***data protection*** supervisory authorities should play in the ***future*** to promote legal certainty ***in general and in particular*** concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics ***in order to promote transparency for citizens and business***;

Or. en

**Amendment 116  
Marie-Christine Vergiat**

**Motion for a resolution**

## Paragraph 5

### *Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to ***promote*** legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

### *Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board, ***the European Data Protection Supervisor*** and other independent supervisory authorities should play in the coming years and decades to ***ensure*** legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with ***the collection of data and*** the use of data processing and analytics;

Or. fr

## Amendment 117

Michał Boni, Carlos Coelho

### Motion for a resolution

#### Paragraph 5

### *Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

### *Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board, ***national data protection authorities*** and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

Or. en

## Amendment 118

Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar, Kaja Kallas

### Motion for a resolution

#### Paragraph 5

*Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

*Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to promote ***transparency, due process and*** legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

Or. en

**Amendment 119**  
**Notis Marias**

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

*Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play ***in the coming years and decades*** to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

*Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

Or. el

**Amendment 120**  
**Beatrix von Storch**

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

*Motion for a resolution*

5. Highlights the fundamental role that ***the Commission, the European Data Protection Board and other independent supervisory authorities*** should play in the

*Amendment*

5. Highlights the fundamental role that ***reliably predictable law and clearly defined legal rules*** should play in the coming years and decades to promote legal

coming years and decades to promote legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

Or. de

**Amendment 121**  
**Emilian Pavel**

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

*Motion for a resolution*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to *promote* legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

*Amendment*

5. Highlights the fundamental role that the Commission, the European Data Protection Board and other independent supervisory authorities should play in the coming years and decades to *ensure* legal certainty concerning concrete standards protecting fundamental rights and guarantees associated with the use of data processing and analytics;

Or. en

**Amendment 122**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

***5a. Stresses that the development of big data makes anonymisation increasingly difficult, and that specific risks may arise particularly when the anonymised data are exported to third countries, where a re-identification could take place;***

*Amendment*

Or. fr



**Amendment 123**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

**5 a. Underlines that the essence of big data should be to achieve comparable correlations with as little personal data as possible; stresses in that regard that science, business and public communities should focus on research and innovation in the area of anonymisation;**

Or. en

**Amendment 124**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

**5 b. Recognises that while the application of pseudonymisation, anonymisation or encryption to personal data can reduce the risks to the data subjects concerned when personal data are used in big data applications or cloud computing, any processing of sensitive data should take into account the risks of future abuses of these measures; recalls that anonymisation is an irreversible process by which personal data can no longer be used to identify or single out a natural person;**

Or. en

**Amendment 125**  
**Axel Voss, Brice Hortefeux, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

*Amendment*

**6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;**

*deleted*

Or. en

**Amendment 126**

**Michał Boni, Carlos Coelho**

**Motion for a resolution**

**Paragraph 6**

*Motion for a resolution*

*Amendment*

**6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;**

**6. *Recalls* that anonymisation is an irreversible process and cannot lead to re-identification; calls on the Commission and independent supervisory authorities to prepare guidelines on how to properly anonymise data;**

Or. en

**Amendment 127**

**Marie-Christine Vergiat**

**Motion for a resolution**

**Paragraph 6**

*Motion for a resolution*

*Amendment*

**6. Takes the view that anonymisation techniques should comprise technical**

**6. Takes the view that anonymisation techniques should comprise technical**

measures and contractual obligations which ensure non-re-identification; calls on **corporations** to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

measures and contractual obligations which ensure non-re-identification; calls on **all entities involved in the collection, analysis and processing of big data** to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

Or. fr

**Amendment 128**  
**Valdemar Tomaševski**

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

*Motion for a resolution*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

*Amendment*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide **audit** recommendations, **which should be implemented without delay**;

Or. pl

**Amendment 129**  
**Birgit Sippel**

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

*Motion for a resolution*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on

*Amendment*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on

corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

corporations **and other actors involved in the analysis of big data** to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

Or. en

**Amendment 130**  
**Emilian Pavel**

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

*Motion for a resolution*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on **corporations** to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

*Amendment*

6. Takes the view that anonymisation techniques should comprise **of** technical measures and contractual obligations which ensure non-re-identification; calls on **the private and public sector** to regularly review such risks in light of new technologies and to document the appropriateness of measures adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

Or. en

**Amendment 131**  
**Notis Marias**

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

*Motion for a resolution*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures

*Amendment*

6. Takes the view that anonymisation techniques should comprise technical measures and contractual obligations which ensure non-re-identification; calls on corporations to regularly review such risks in light of new technologies and to document the appropriateness of measures

adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

adopted, allowing independent supervisory authorities to monitor practices and provide recommendations;

Or. el

### **Amendment 132**

**Axel Voss, Michał Boni, Jeroen Lenaers, Monika Hohlmeier**

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

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

*Motion for a resolution*

*Amendment*

**6 a. Highlights the advantages of pseudonymisation provided for by the GDPR as an appropriate safeguard in order to guarantee a high level of protection of personal data. Points out that pseudonymisation and encryption techniques can play an important role to foster innovation and economic growth by enabling the further processing of personal data for big data analytics, while at the same time ensuring a strong protection of the data subject's privacy. Calls therefore upon the Commission – in its upcoming review of the e-Privacy Directive (2002/58/EC) - to also recognize pseudonymisation as an appropriate safeguard that can reduce risks of the data subjects concerned;**

Or. en

### **Amendment 133**

**Axel Voss, Monika Hohlmeier**

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

##### **Paragraph 6 b (new)**

*Motion for a resolution*

*Amendment*

**6 b. Urges that pseudonymisation and the re-use of data is becoming an issue that strongly needs to be addressed. In this regard calls upon the Commission to**

*bring forward a legislative proposal recognizing pseudonymous data as a new data category. Therefor it would be necessary to introduce a clear legal framework for the use of big data techniques which re-identify individuals by applying the encoding key and therein to include appropriate safeguards for re-identification procedures;*

Or. en

**Amendment 134**  
**Marju Lauristin**

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

*Motion for a resolution*

7. Urges corporations and other data controllers to make use of instruments provided for by the GDPR, such as codes of conduct *and* certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

*Amendment*

7. Urges corporations and other data controllers to make use of instruments provided for by the GDPR, such as codes of conduct, certification schemes, *privacy by design and privacy by default*, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

Or. en

**Amendment 135**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

7. *Urges* corporations and other data controllers *to* make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, *to seek* greater certainty over their specific obligations under Union law and *to* bring

*Amendment*

7. *Insists that* corporations, *public authorities* and other data controllers make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, *establish* greater certainty over their specific obligations

their practices and activities into compliance with the appropriate Union legal standards and safeguards;

under Union law and bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

Or. fr

**Amendment 136**  
**Notis Marias**

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

*Motion for a resolution*

7. *Urges* corporations and other data controllers to make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

*Amendment*

7. *Calls on* corporations and other data controllers to make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

Or. el

**Amendment 137**  
**Michał Boni, Carlos Coelho, Axel Voss**

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

*Motion for a resolution*

7. Urges *corporations* and other data controllers to make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union *legal standards and safeguards*;

*Amendment*

7. Urges *business* and other data controllers to make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union *legislation*;

Or. en

## Amendment 138

Emilian Pavel

### Motion for a resolution

#### Paragraph 7

##### *Motion for a resolution*

7. Urges ***corporations and other data controllers*** to make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

##### *Amendment*

7. Urges ***the private sector*** to make use of instruments provided for by the GDPR, such as codes of conduct and certification schemes, to seek greater certainty over their specific obligations under Union law and to bring their practices and activities into compliance with the appropriate Union legal standards and safeguards;

Or. en

## Amendment 139

Axel Voss, Jeroen Lenaers, Monika Hohlmeier

### Motion for a resolution

#### Paragraph 7 a (new)

##### *Motion for a resolution*

##### *Amendment*

***7 a. Urges the EU legislators to consider that we still have to remove a series of technical and in particular legal barriers to benefit fully from the potential of big data and other data technologies. Takes the view, that in this regard the data minimisation provided for by the GDPR as one of the principles relating to processing of personal data, as well as the automated processing and profiling could be an obstacle to big data analytics. Calls therefore upon the Commission to provide an appropriate and corresponding legal framework to allow companies to easily create value out of big data while protecting the privacy of citizens and providing data security. In this regard, the Commission should help citizens to understand what benefits the use of big***



*data offers along with the risks;*

Or. en

**Amendment 140**

**Morten Helveg Petersen, Sophia in 't Veld, Nathalie Griesbeck, Maite Pagazaurtundúa Ruiz, Angelika Mlinar**

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

*Motion for a resolution*

*Amendment*

**7 a. Invites the European Commission to consider taking into account data protection and consumer protection standards in the context of relevant merger control cases and cases of exploitative abuse as understood by competition law under Article 102 TFEU; believes that the Merger Regulation should be further interpreted to protect the rights under the EU Charter to privacy, data protection and freedom of expression online;**

Or. en

**Amendment 141**

**Ana Gomes, Birgit Sippel**

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

*Motion for a resolution*

*Amendment*

**7 a. (new) Is particularly concerned with the detrimental impact that data analytics may have on fairness and equality of opportunities for access to education and employment due to the use of algorithmic systems to recruit and score applications, which may counter diversity and perpetuate biases and discrimination against some populations groups;**

**Amendment 142**

**Emilian Pavel**

**Motion for a resolution**

**Paragraph 7 a (new)**

*Motion for a resolution*

*Amendment*

**7 a. Stresses that the principles of 'data minimisation', 'purpose specification', 'limitation', as well as transparency and consent are fully compatible with big data and they should be fully implemented;**

Or. en

**Amendment 143**

**Marju Lauristin**

**Motion for a resolution**

**Paragraph 7 a (new)**

*Motion for a resolution*

*Amendment*

**7 a. Takes the view that a privacy impact assessment should be obligatory for the public sector and for the companies using big data analytics in their everyday activities;**

Or. en

**Amendment 144**

**Ana Gomes**

**Motion for a resolution**

**Paragraph 7 b (new)**

*Motion for a resolution*

*Amendment*

**7 b. Calls on the Commission and Member States to ensure that data-driven technologies do not narrow down or discriminate access to a pluralistic media**

*environment, but rather foster media freedom and pluralism; emphasises that cooperation between governments, educational institutions and media organisations will play a pivotal role in ensuring that digital media literacy is supported to empower citizens and protect their rights to information and to freedom of expression;*

Or. en

**Amendment 145**  
**Ana Gomes**

**Motion for a resolution**  
**Paragraph 7 c (new)**

*Motion for a resolution*

*Amendment*

*7 c. (new) Notes that the GDPR contains specific safeguards which could help tackle the market imbalances in the digital sector, namely the enforcement, by DPAs, of data minimisation, the right of individuals to receive information regarding the logic involved in automated decision-making and profiling and the fact that DPAs and consumer authorities may advise competition authorities on mergers in the digital sector; takes the view that responsibilities for businesses must take into account factors like the companies' market power and the kind of data processing used and its risks; is concerned by the concentration of markets in the digital sector, which may increase prices and lead to arbitrary price discrimination by private operators, based on the analysis of large amounts of data ; stresses in this regard, that the enforcement of data portability under GDPR is crucial to reverse this trend in the market, whereby the data subject should be allowed to receive personal data concerning him or her which he or she has provided to a controller in a structured, commonly used, machine-readable and interoperable format, and to*

*transmit it to another controller, i.e., a competitor;*

Or. en

**Amendment 146**  
**Ana Gomes**

**Motion for a resolution**  
**Paragraph 7 d (new)**

*Motion for a resolution*

*Amendment*

**7 d. (new) Acknowledges the positive impact of smart devices and big data in improving access by citizens to information of public interest and the interaction of individuals with public authorities, thereby improving levels of public scrutiny, inclusive governance and democratic participation, accountability and the rule of law; calls on the EU and Member States to ensure that open, free and machine readable non personal data is available, by default, over issues of public interest and which may be used by citizens, businesses and organisations for various purposes;**

Or. en

**Amendment 147**  
**Ana Gomes**

**Motion for a resolution**  
**Paragraph 7 e (new)**

*Motion for a resolution*

*Amendment*

**7 e. (new) Takes the view that publication of personal data by public authorities for reasons of public interest, such as the prevention of corruption, conflicts of interest, tax fraud and money laundering, may be admissible in a democratic society, provided that the data is disclosed in conditions laid down by**

*law, that the appropriate safeguards are in place and that such publication is necessary to the aim pursued and proportionate;*

Or. en

## **Amendment 148**

**Ana Gomes, Birgit Sippel**

### **Motion for a resolution**

#### **Paragraph 8**

##### *Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

##### *Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities; ***calls for strengthening investment into privacy by design and default and new encryption techniques that decentralise storage of compromising information; stresses that such measures should not only be applied by big companies and governmental agencies, but by all actors involved in big data analytics, including SMEs, and other actors dealing with sensitive data, such as lawyers, journalists and people working in the health sector;***

Or. en

## **Amendment 149**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar, Kaja Kallas**

### **Motion for a resolution**

#### **Paragraph 8**

*Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

*Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities; ***takes the view that the use of end-to-end encryption should also be encouraged and when necessary, mandated, in accordance with the principle of data protection by design; recommends in this regard that any future legislative framework specifically prohibit encryption providers, communications service providers and all other organisations (at all levels of the supply chain) from allowing or facilitating 'back-doors';***

Or. en

**Amendment 150**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

*Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques, ***especially in the context of the "Internet of things"***; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities ***as well as additional legal measures such as***

*software liability;*

Or. en

## **Amendment 151**

**Michal Boni, Carlos Coelho**

### **Motion for a resolution**

#### **Paragraph 8**

##### *Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

##### *Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities; ***recognizes the added value of the technological development that will improve security;***

Or. en

## **Amendment 152**

**Axel Voss, Brice Hortefeux, Jeroen Lenaers**

### **Motion for a resolution**

#### **Paragraph 8**

##### *Motion for a resolution*

8. Acknowledges that data ***loss and theft, infection by malware***, unauthorised access to data and unlawful surveillance are ***some of the most pressing risks associated with contemporary data processing activities, such as big data techniques***; believes that tackling such ***threats*** requires ***genuine and concerted*** cooperation between the private sector, governments, law enforcement authorities

##### *Amendment*

8. Acknowledges that data ***security breaches***, unauthorised access to data and unlawful surveillance are ***concerning citizens, therefore*** believes that tackling such ***risks*** requires cooperation between the private sector, governments, law enforcement authorities and independent ***data protection*** supervisory authorities;

and independent supervisory authorities;

Or. en

**Amendment 153**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

*Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that tackling such threats ***while protecting fundamental data protection rights*** requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

Or. fr

**Amendment 154**  
**Beatrix von Storch**

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

*Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that ***tackling such threats requires genuine and concerted cooperation*** between the private sector, governments, law enforcement authorities and independent supervisory authorities;

*Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with contemporary data processing activities, such as big data techniques; believes that, ***in the light of these threats, it is important to preserve the distinction*** between ***the spheres of*** the private sector, governments, law enforcement authorities and independent



supervisory authorities;

Or. de

## **Amendment 155**

**Emilian Pavel**

### **Motion for a resolution**

#### **Paragraph 8**

##### *Motion for a resolution*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with *contemporary* data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

##### *Amendment*

8. Acknowledges that data loss and theft, infection by malware, unauthorised access to data and unlawful surveillance are some of the most pressing risks associated with data processing activities, such as big data techniques; believes that tackling such threats requires genuine and concerted cooperation between the private sector, governments, law enforcement authorities and independent supervisory authorities;

Or. en

## **Amendment 156**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar, Kaja Kallas**

### **Motion for a resolution**

#### **Paragraph 8 a (new)**

##### *Motion for a resolution*

##### *Amendment*

**8 a. Reminds that in accordance with Article 15 of Directive 2001/31/EC, Member States shall not impose a general obligation on providers of transmission, storage and hosting services to monitor the information which they transmit or store, nor a general obligation actively to seek facts or circumstances indicating illegal activity; reiterates in particular that the Court of Justice of the European Union, in its Judgments C-360/10 and C-70/10, rejected measures for the 'active**

*monitoring' of almost all users of the services concerned (internet access providers in one case, a social network in the other) and specified that any injunction requiring a hosting services provider to undertake general monitoring shall be precluded;*

Or. en

**Amendment 157**  
**Kati Piri**

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

*Motion for a resolution*

*Amendment*

*8 a. Is concerned about the collection and use of personal data by large social media platforms in combination with the use of algorithms that determine what news is being consumed by its users and the impact this has on the political process, in particular on the concept of free and fair elections; underlines that a large market share of those social media platforms must go hand in hand with a large responsibility in protecting the freedom of opinion, which could be jeopardized by the influence of algorithms determining the news consumption of the users of social media platforms;*

Or. en

**Amendment 158**  
**Emilian Pavel**

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

*Motion for a resolution*

*Amendment*

*8 a. Urges that primary attention should be paid to the security of e-Government systems, so as to ensure*

*citizens' privacy and protection of their personal data, such as through 'privacy by design and by default', regular use of data anonymisation techniques, performing mandatory privacy impact assessments;*

Or. en

**Amendment 159**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

*Amendment*

*8a. Calls for the strengthening of supervision and of the role of European and national authorities in the control and collection of big data processing algorithms held by public and private entities;*

Or. fr

**Amendment 160**  
**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar, Kaja Kallas**

**Motion for a resolution**  
**Paragraph 8 b (new)**

*Motion for a resolution*

*Amendment*

*8 b. Highlights that the increase of data generation and data flows due to technological development, and in particular the Internet of Things, also implies further vulnerabilities and new cyber security challenges; recommends in this regard to adapt and further develop minimum security standards to ensure big data development does not increase exposure to cyber security risks;*

Or. en

**Amendment 161**  
**Emilian Pavel**

**Motion for a resolution**  
**Paragraph 8 b (new)**

*Motion for a resolution*

*Amendment*

**8 b. Welcomes the European Commission's contractual Public-Private Partnership (cPPP) on cybersecurity, a strong collaboration between the public and private sector can enhance cyber resilience and can better combat cybercrime; strongly suggests good case practices sharing from Member States that already set up effective public-private partnerships;**

Or. en

**Amendment 162**  
**Beatrix von Storch**

**Motion for a resolution**  
**Paragraph 9**

*Motion for a resolution*

*Amendment*

**9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;**

*deleted*

Or. de

**Amendment 163**  
**Ana Gomes**

**Motion for a resolution**  
**Paragraph 9**

*Motion for a resolution*

9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

*Amendment*

9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;***urges the EU and Member States to define and adopt, as far as possible, a simple, explicit and common ethical framework that may guide data usage and the ongoing enforcement of EU law;***

Or. en

**Amendment 164**

**Valdemar Tomaševski**

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

9. Calls on the Union and the Member States to ***identify and minimise algorithmic discrimination and bias and to*** develop a strong and common ethics framework for the processing of personal data ***and automated decision-making;***

*Amendment*

9. Calls on the Union and the Member States to develop a strong and common ethics framework for the processing of personal data;

Or. pl

**Amendment 165**

**Axel Voss, Jeroen Lenaers**

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

9. ***Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;***

*Amendment*

9. ***Takes the view that every endeavor should be made in order to minimize algorithmic discrimination and bias;***

**Amendment 166**  
**Jan Philipp Albrecht**

**Motion for a resolution**  
**Paragraph 9**

*Motion for a resolution*

9. Calls on the *Union* and the *Member States* to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

*Amendment*

9. Calls on the *Commission, the Member States* and the *data protection authorities* to identify and minimise algorithmic discrimination and bias, *including price-discrimination*, and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

Or. en

**Amendment 167**  
**Lorenzo Fontana**

**Motion for a resolution**  
**Paragraph 9**

*Motion for a resolution*

9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common *ethics* framework for the processing of personal data and automated decision-making;

*Amendment*

9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common *legal* framework *based on the highest ethical principles* for the processing of personal data and automated decision-making;

Or. it

**Amendment 168**  
**Marie-Christine Vergiat**

**Motion for a resolution**  
**Paragraph 9**

*Motion for a resolution*

9. Calls on the Union and the Member States to identify and **minimise** algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

*Amendment*

9. Calls on the Union and the Member States to identify and **take every possible measure to reduce** algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

Or. fr

**Amendment 169**

**Emilian Pavel**

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

9. Calls on the **Union** and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

*Amendment*

9. Calls on the **European Commission** and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for the processing of personal data and automated decision-making;

Or. en

**Amendment 170**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar**

**Motion for a resolution**

**Paragraph 9**

*Motion for a resolution*

9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for **the** processing of personal data and automated decision-making;

*Amendment*

9. Calls on the Union and the Member States to identify and minimise algorithmic discrimination and bias and to develop a strong and common ethics framework for **a transparent** processing of personal data and automated decision-making;

Or. en

**Amendment 171**  
**Michał Boni, Carlos Coelho, Axel Voss**

**Motion for a resolution**  
**Paragraph 9 a (new)**

*Motion for a resolution*

*Amendment*

**9 a. Big data for scientific purposes**

*Stresses that big data analytics can be beneficial for the scientific development and research; believes that development and use of big data analytics for scientific purposes has to be with due regard for the fundamental rights enshrined in the Charter of Fundamental Rights and in compliance with the current Union data protection legislation;*

Or. en

**Amendment 172**  
**Ana Gomes**

**Motion for a resolution**  
**Paragraph 9 a (new)**

*Motion for a resolution*

*Amendment*

**9 a. (now) Notes that discriminatory results may arise from several stages of data processing and analysis, from choosing the datasets and algorithms used to make predictions, to the definition and interpretation of the information to be obtained through the data analysis;**

Or. en

**Amendment 173**  
**Jan Philipp Albrecht**

**Motion for a resolution**  
**Paragraph 9 a (new)**



*Motion for a resolution*

*Amendment*

**9 a.** *Calls on the Commission, the Member States and the data protection authorities to specifically evaluate the need for not only algorithmic transparency, but also for transparency about possible biases in the training data used to make inferences based on big data;*

Or. en

**Amendment 174**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar, Kaja Kallas**

**Motion for a resolution**

**Paragraph 9 a (new)**

*Motion for a resolution*

*Amendment*

**9 a.** *Open government data*  
*Emphasises the need to ensure that big data developments effectively contribute to a greater access to data produced or commissioned by government or government controlled entities which can be freely used, reused and redistributed by anyone, thus strengthening the principle of open government data, and enhancing transparency, e-governance as well as social and commercial value;*

Or. en

**Amendment 175**

**Ana Gomes**

**Motion for a resolution**

**Paragraph 9 b (new)**

*Motion for a resolution*

*Amendment*

**9 b.** *(new) Recommends that businesses conduct regular assessments of how representative the data sets are,*

*consider whether biases are being incorporated and develop strategies to overcome those biases; highlights the need to review how accurate and meaningful predictions based on data analytics are, having ethics concerns and fairness in mind;*

Or. en

**Amendment 176**  
**Birgit Sippel, Ana Gomes**

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

*Motion for a resolution*

10. *Encourages* all law enforcement actors that use data processing and analytics *to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, especially when decisions may carry high risks for individuals;*

*Amendment*

10. *Reminds* all law enforcement actors that use data processing and analytics *that the data protection directive of 2016 prohibits to base any decision solely on automated processing, including profiling, which produces an adverse legal effect concerning the data subject or significantly affects him or her, unless authorised by Union or Member State law to which the controller is subject and which provides appropriate safeguards for the rights and freedoms of the data subject, at least the right to obtain human intervention on the part of the controller;*

Or. en

**Amendment 177**  
**Kati Piri**

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

*Motion for a resolution*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages

*Amendment*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages

of the processing and analysis of data, especially when decisions may carry high risks for individuals;

of the processing and analysis of data, especially when decisions may carry high risks for individuals; ***underlines that the collection of personal data for law enforcement purposes must always be proportionate and that purpose and necessity for the collection of this data must be clearly proven;***

Or. en

**Amendment 178**  
**Beatrix von Storch**

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

*Motion for a resolution*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, especially when decisions may carry high risks for individuals;

*Amendment*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention, ***approved by court orders,*** throughout the various stages of the processing and analysis of data, especially when decisions may carry high risks for individuals;

Or. de

**Amendment 179**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, ***especially when*** decisions may carry ***high risks*** for individuals;

*Amendment*

10. Encourages all law enforcement actors that ***collect data and*** use data processing and analytics to ensure appropriate human intervention throughout the various stages of the ***collection,*** processing and analysis of data, ***in the light of the risks that these*** decisions may carry for individuals;

**Amendment 180**

**Notis Marias**

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, *especially when decisions may carry high risks for individuals*;

*Amendment*

10. Encourages all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, *while duly respecting the principle of personal data protection*;

Or. el

**Amendment 181**

**Jan Philipp Albrecht**

**Motion for a resolution**

**Paragraph 10**

*Motion for a resolution*

10. *Encourages* all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, especially when decisions may carry high risks for individuals;

*Amendment*

10. *Calls on* all law enforcement actors that use data processing and analytics to ensure appropriate human intervention throughout the various stages of the processing and analysis of data, especially when decisions may carry high risks for individuals;

Or. en

**Amendment 182**

**Birgit Sippel, Ana Gomes**

**Motion for a resolution**

**Paragraph 10 a (new)**

*Motion for a resolution*

*Amendment*

***10 a. Stresses the prohibition to process personal data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data for the purpose of uniquely identifying a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation, unless suitable measures to safeguard the data subject's rights and freedoms and legitimate interests are in place;***

Or. en

**Amendment 183**  
**Axel Voss, Brice Hortefeux**

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

*Motion for a resolution*

*Amendment*

***10 a. Calls upon the Commission to bring forward a legal proposal to allow the use of big data tools as an investigation method and for evidence purposes in particular to give law enforcement authorities the basis for authorisation for targeted server search for wanted persons whereby the data of a large number of people are checked against existing data in a database;***

Or. en

**Amendment 184**  
**Ana Gomes**

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

*Motion for a resolution*

*Amendment*

***10 a. (new) Notes that the potential of data processing and analytics in tackling***

*crime, and especially certain types of criminal activities, still needs to be scientifically assessed, despite the growing trend to adopt predictive technologies to prevent crime and redirect police resources based on information provided by these technologies;*

Or. en

**Amendment 185**  
**Birgit Sippel, Ana Gomes**

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

*Motion for a resolution*

*Amendment*

*10 b. Stresses the need to put in place appropriate safeguards including the provision of specific information to the data subject and the right to obtain human intervention, in particular to express his or her point of view, to obtain an explanation of the decision reached after such assessment or to challenge the decision; and that control through an independent and sufficiently staffed and financed authority has to be ensured;*

Or. en

**Amendment 186**  
**Axel Voss, Jeroen Lenaers, Monika Hohlmeier**

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

*Motion for a resolution*

*Amendment*

*11. Stresses, in particular, the importance of carrying out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors*

*deleted*

*involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;*

Or. en

**Amendment 187**  
**Ana Gomes, Birgit Sippel**

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

*Motion for a resolution*

11. Stresses, in particular, the importance of carrying out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

*Amendment*

11. Stresses, in particular, the importance of carrying out prior impact assessments ***and audits*** that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data ***and the quality of the technology purchased***, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals; ***further underlines the need to ensure that only the minimum necessary data is collected, used and stored;***

Or. en

**Amendment 188**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

11. Stresses, ***in particular***, the importance of carrying out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the

*Amendment*

11. Stresses ***the importance of compliance with the Data Protection Directive<sup>1a</sup>***, in particular ***regarding*** carrying out prior impact assessments that take account of ethical concerns in order to

data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

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***1<sup>a</sup> DIRECTIVE (EU) 2016/680 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 by competent authorities for the purposes of the prevention, investigation, detection or prosecution of criminal offences or the execution of criminal penalties, and on the free movement of such data, and repealing Council Framework Decision 2008/977/JHA***

Or. en

**Amendment 189**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

11. Stresses, in particular, the importance of carrying out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

*Amendment*

11. Stresses, in particular, the importance of carrying out prior impact assessments that take account of ethical concerns **and legal obligations** in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the **collection or** analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

Or. fr



**Amendment 190**  
**Birgit Sippel**

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

*Motion for a resolution*

11. Stresses, in particular, the importance of carrying out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

*Amendment*

11. Stresses, in particular, the importance of carrying out prior impact assessments that take account of ethical concerns **and legal obligations** in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to **understand and** challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

Or. en

**Amendment 191**  
**Notis Marias**

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

*Motion for a resolution*

11. Stresses, in particular, the **importance of carrying** out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

*Amendment*

11. Stresses, in particular, the **need to carry** out prior impact assessments that take account of ethical concerns in order to assess the inclusiveness, accuracy and quality of the data, and to ensure that individuals targeted by the decisions and/or actors involved in the decision-making processes are able to challenge the analysis, patterns and correlations and to prevent any harmful effects on certain groups of individuals;

Or. el

**Amendment 192**  
**Emilian Pavel**

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

*Motion for a resolution*

*Amendment*

*11 a. Points out that the trust of citizens in digital services can be seriously undermined by government activities of mass surveillance and unwarranted access to commercial and other personal data by law enforcement authorities; underlines the necessity for the strict compliance with fundamental rights when using commercial data for law enforcement purposes;*

Or. en

**Amendment 193**  
**Jan Philipp Albrecht**

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

*Motion for a resolution*

*Amendment*

*11 a. Points out that certain models of predictive policing are more privacy-friendly than others, e.g. where probabilistic predictions are made about places or events and not about individual persons; is concerned that almost all predictive policing tools are proprietary software, which limits transparency and accountability;*

Or. en

**Amendment 194**  
**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar**

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

*Motion for a resolution*

*Amendment*

**11 a. Reminds that legislation permitting the public authorities to have access on a generalised basis to the content of electronic communications must be regarded as compromising the essence of the fundamental right to respect for private life, as guaranteed by Article 7 of the Charter;**

Or. en

**Amendment 195**

**Barbara Matera, Axel Voss**

**Motion for a resolution**

**Paragraph 8 a (new)**

*Motion for a resolution*

*Amendment*

**8 a. Urges the Commission and the Member States to put in place all juridical measures to fight against the phenomenon of violence against women online and cyber bullying; in particular asks to the EU and the Member States to combine forces in order to create a criminal offence framework that obliges online corporations to delete or to stop the spreading of degrading, offensive and humiliating content; it also asks to put in place psychological support for women victims of violence online and girls cyber bullied;**

Or. en

**Amendment 196**

**Monica Macovei**

**Motion for a resolution**

**Paragraph 8 a (new)**

*Motion for a resolution*

*Amendment*

**8 a. Emphasises the vulnerability of**

*children merits them particular protection with regards to personal data; highlights that data processing can also be used to undermine child trafficking*

Or. en

#### **Amendment 197**

**Morten Helveg Petersen, Nathalie Griesbeck, Sophia in 't Veld, Maite Pagazaurtundúa Ruiz, Angelika Mlinar, Kaja Kallas**

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

##### **Paragraph 12**

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

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities;

###### *Amendment*

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities; *insists in the regard on the need to guarantee adequate security for personal data, in accordance with Regulation(EU) 2016/679 and Directive (EU) 2016/680, as well as to minimize vulnerabilities through secured and decentralized database architectures;*

Or. en

#### **Amendment 198**

**Kati Piri**

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

##### **Paragraph 12**

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

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling

###### *Amendment*

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling

such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities;

such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities; ***highlights that accountability must be clear in case of grave neglect or unlawful behaviour by law enforcement staff leading to data loss and theft, infection by malware and unauthorised access to data by non-authorised persons;***

Or. en

**Amendment 199**  
**Beatrix von Storch**

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

*Motion for a resolution*

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities;

*Amendment*

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities; ***is concerned that, particularly in the hands of the authorities, centralised data have proved particularly vulnerable in the past, and takes the view that decentralised data banks mean lower security risks;***

Or. de

**Amendment 200**  
**Aldo Patriciello**

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

*Motion for a resolution*

12. Underlines the absolute need to protect law enforcement databases from

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*Amendment*

12. Underlines the absolute need to protect law enforcement databases from

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data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities;

data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities *and the creation possibly of a European task force made up of the Member States' best experts*;

Or. it

### **Amendment 201**

**Michał Boni, Carlos Coelho**

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

##### **Paragraph 12**

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

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities;

###### *Amendment*

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted cooperation between law enforcement authorities and independent supervisory authorities, *in compliance with the current legislation*;

Or. en

### **Amendment 202**

**Emilian Pavel**

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

##### **Paragraph 12**

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

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted

###### *Amendment*

12. Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons; believes that tackling such concerns requires genuine, concerted

cooperation between law enforcement authorities and independent supervisory authorities;

*and effective* cooperation between law enforcement authorities and independent supervisory authorities;

Or. en

### **Amendment 203**

**Axel Voss, Michał Boni, Brice Hortefeux, Jeroen Lenaers**

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

##### **Paragraph 12**

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

12. *Underlines the absolute need to protect law enforcement databases from data loss and theft, infection by malware and unauthorised access to data by non-authorised persons*; believes that tackling such *concerns* requires *genuine, concerted cooperation between* law enforcement authorities and independent supervisory authorities;

###### *Amendment*

12. *Acknowledges that data security breaches, unauthorised access to data and unlawful surveillance are concerning citizens, therefore* believes that tackling such *risks* requires *cooperation between the private sector, governments,* law enforcement authorities and independent *data protection* supervisory authorities;

Or. en

### **Amendment 204**

**Ana Gomes, Birgit Sippel**

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

##### **Paragraph 12 a (new)**

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

###### *Amendment*

*12 a. (new) Stresses the need for guidelines and systems to be incorporated into public tenders for law enforcement data processing models, tools and programs in order to guarantee that the underlying code can be and is checked by the law enforcement authority themselves prior to final purchase and can be verified for its correctness and security;*

Or. en

**Amendment 205**  
**Emilian Pavel**

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

*Motion for a resolution*

*Amendment*

**12 a. Highlights that cybersecurity measures that involve the handling of personal data, need to respect the protection of EU civil liberties and fundamental rights, ensuring the utmost respect for privacy and data protection;**

Or. en

**Amendment 206**  
**Emilian Pavel**

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

*Motion for a resolution*

*Amendment*

13. Warns that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and the targeting of certain **population groups, especially marginalised groups and ethnic and racial minorities;**

13. Warns that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and the targeting of **a certain person or a group of persons defined by reference to race, colour, ethnic or social origin, genetic features, language, religion or belief, political or any other opinion, membership of a national minority, property, birth, disability, age, gender, gender expression, gender identity, sexual orientation, residence status or health;**

Or. en

**Amendment 207**  
**Soraya Post**

**Motion for a resolution**

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## Paragraph 13

### *Motion for a resolution*

13. Warns that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and the targeting of certain population groups, especially marginalised groups and ethnic and racial minorities;

### *Amendment*

13. Warns that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and the targeting of certain population groups, especially marginalised groups and ethnic and racial minorities, ***such as the Roma, who are often subject to ethnic profiling, under- and over-policing;***

Or. en

## Amendment 208

**Axel Voss, Brice Hortefeux, Jeroen Lenaers**

### **Motion for a resolution**

#### **Paragraph 13**

### *Motion for a resolution*

13. ***Warns*** that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and the targeting of certain population groups, especially marginalised groups and ethnic and racial minorities;

### *Amendment*

13. ***Stresses*** that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities - ***also through data processing and data analytics*** - in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and the targeting of certain population groups, especially marginalised groups and ethnic and racial minorities;

Or. en

## Amendment 209

**Jan Philipp Albrecht**

### **Motion for a resolution**

#### **Paragraph 13**

### *Motion for a resolution*

### *Amendment*

13. Warns that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid **unlawful** discrimination and the targeting of certain population groups, especially marginalised groups and ethnic and racial minorities;

13. Warns that, owing to the intrusiveness of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid discrimination and the targeting of certain population groups, especially marginalised groups and ethnic and racial minorities, **but also individuals who by coincidence have certain characteristics**;

Or. en

**Amendment 210**  
**Michał Boni, Carlos Coelho**

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

*Motion for a resolution*

13. Warns that, owing to the **intrusiveness** of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and **the** targeting of certain population groups, especially marginalised groups and ethnic and racial minorities;

*Amendment*

13. Warns that, owing to the **impact** of decisions and measures taken by law enforcement authorities in citizens' lives and rights, maximum caution is necessary to avoid unlawful discrimination and targeting of certain population groups, especially marginalised groups and ethnic and racial minorities;

Or. en

**Amendment 211**  
**Ana Gomes, Birgit Sippel**

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

*Motion for a resolution*

**13 a. (new) Stresses that, especially with regard to the use of big data technologies by law enforcement, it is crucial to acknowledge limitations of the results and ensure that mechanisms are in place to catch and remedy possible errors; calls for proper training for the frontline**

*Amendment*

*collectors of data and users of  
"intelligence" derived from the data  
analysis;*

Or. en

**Amendment 212**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

*Amendment*

*13a. Stresses the risks to civil liberties  
and human rights of any predictive use  
that may be made of big data;*

Or. fr

**Amendment 213**  
**Marie-Christine Vergiat**

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

*Motion for a resolution*

*Amendment*

14. Calls on *the Member States' law enforcement authorities* that make use of data analytics to uphold the highest standards of ethics in the analysis of data and to ensure human intervention and accountability throughout the different stages of decision-making, not only to assess the representativeness, accuracy and quality of the data, but also to assess the appropriateness of each decision to be taken on the basis of that information;

14. Calls on *all parties* that make use of data analytics to uphold the highest standards of ethics in the analysis of data and to ensure human intervention and accountability throughout the different stages of decision-making, not only to assess the representativeness, accuracy and quality of the data, but also to assess the appropriateness of each decision to be taken on the basis of that information;

Or. fr

**Amendment 214**  
**Michał Boni, Carlos Coelho, Axel Voss**

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

*Motion for a resolution*

14. Calls on the Member States' law enforcement authorities that make use of data analytics to uphold the highest ***standards of ethics*** in the analysis of data and to ensure human intervention and accountability throughout the different stages of decision-making, not only to assess the representativeness, accuracy and quality of the data, but also to assess the appropriateness of each decision to be taken on the basis of that information;

*Amendment*

14. Calls on the Member States' law enforcement authorities that make use of data analytics to uphold the highest ***legal standards*** in the analysis of data and to ensure human intervention and accountability throughout the different stages of decision-making, not only to assess the representativeness, accuracy and quality of the data, but also to assess the appropriateness of each decision to be taken on the basis of that information;

Or. en

**Amendment 215**  
**Notis Marias**

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

*Motion for a resolution*

14. Calls on the Member States' law enforcement authorities that make use of data analytics to uphold the highest standards of ethics in the analysis of data and to ensure human intervention and accountability throughout the different stages of decision-making, not only to assess the representativeness, accuracy and quality of the data, but also to assess the appropriateness of each decision to be taken on the basis of that information;

*Amendment*

14. Calls on the Member States' law enforcement authorities that make use of data analytics to uphold the highest standards of ethics in the analysis of data and to ensure human intervention and accountability throughout the different stages of decision-making, not only to assess the representativeness, accuracy and quality of the data, but also to assess the appropriateness of each decision to be taken on the basis of that information;

Or. el