European Parliament
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Committee on Legal Affairs

2020/2012(INL)

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AMENDMENTS
1 - 429

Draft report
Ibán García del Blanco
(PE650.508v01-00)

Framework of ethical aspects of artificial intelligence, robotics and related technologies
(202/2012(INL))

AM_Com_NonLegReport

Amendment 1
Liesje Schreinemacher

Motion for a resolution
Citation 2 a (new)

Motion for a resolution	*Amendment*
	- having regard to the Interinstitutional Agreement of 13 April 2016 on Better Law-Making (OJ L 123, 12.5.2016) and the Better Regulation Guidelines,

Or. en

Amendment 2
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Citation 2 a (new)

Motion for a resolution	*Amendment*
	- having regard to Article 169 of the Treaty on the Functioning of the European Union,

Or. en

Amendment 3
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Citation 2 b (new)

Motion for a resolution	*Amendment*
	- having regard to Directive (EU) 2019/770 of the European Parliament and of the Council of 20 May 2019 on certain aspects concerning contracts for the supply of digital content and digital services,

Or. en

Amendment 4
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Citation 7 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 of 11 December 2019 on The European Green Deal,

Or. en

Amendment 5
Ibán García Del Blanco

Motion for a resolution
Citation 7 a (new)

Motion for a resolution	*Amendment*
	- having regard to the Charter of Fundamental Rights of the European Union,

Or. en

Amendment 6
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Citation 14 a (new)

Motion for a resolution	*Amendment*
	- having regard to the OECD

Council Recommendation on Artificial Intelligence adopted on 22 May 2019,

Or. en

Amendment 7
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital A

Motion for a resolution	*Amendment*
A. whereas artificial intelligence, robotics and related technologies ***with*** the potential to directly impact all aspects of our societies, including basic social and economic principles and values***, are being developed very quickly***;	A. whereas ***so-called '***artificial ***intelligence', or extended*** intelligence, robotics and related technologies ***are being developed quickly and can have*** the potential to directly impact all aspects of our societies ***positively, as well as negatively, depending on how they are applied, and who can benefit from access to them***, including basic social and economic principles and values;

Or. en

Amendment 8
Daniel Buda

Motion for a resolution
Recital A

Motion for a resolution	*Amendment*
A. whereas artificial intelligence, robotics and related technologies with the potential to directly impact all aspects of our societies, including basic social and economic principles and values, are being developed very quickly;	A. whereas artificial intelligence, robotics and related technologies ***that have a lasting influence on all areas of activity throughout European society*** with the potential to directly impact all aspects of our societies, including basic social and economic principles and values, are being developed very quickly;

Or. ro

Amendment 9
Emil Radev

Motion for a resolution
Recital A

Motion for a resolution	*Amendment*
A. whereas artificial intelligence, robotics and related technologies with the potential to directly impact all aspects of our societies, including basic social and economic principles and values, are being developed very quickly;	A. whereas artificial intelligence, robotics and related technologies with the potential to directly impact all aspects of our societies, including basic ***rights and*** social and economic principles and values, are being ***promoted and*** developed very quickly;

Or. bg

Amendment 10
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Recital A

Motion for a resolution	*Amendment*
A. whereas artificial intelligence, robotics and related technologies with the potential to directly impact all aspects of our societies***, including basic social and economic principles and values,*** are being developed very quickly;	A. whereas artificial intelligence, robotics and related technologies with the potential to ***generate opportunities for business and citizens while*** directly impact all aspects of our societies are being developed very quickly;

Or. en

Amendment 11
Raffaele Stancanelli

Motion for a resolution
Recital A a (new)

Motion for a resolution	*Amendment*
	Aa. whereas artificial intelligence, robotics and related technologies will also lead to substantial changes to the labour market, posing a serious challenge to the public authorities in terms of reorganisation of the workforce;

Or. it

Amendment 12
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital A a (new)

Motion for a resolution	*Amendment*
	Aa. whereas artificial intelligence, robotics and related technologies can make a huge contribution to reaching our common goal of improving the lives of citizens and fostering prosperity within the EU;

Or. en

Amendment 13
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital A b (new)

Motion for a resolution	*Amendment*
	A. whereas, in areas such as health, agriculture, energy, transport, climate and various industrial processes artificial intelligence, robotics and related technologies can contribute to the development of better strategies and

innovations;

Or. en

Amendment 14
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital A c (new)

Motion for a resolution	*Amendment*
	Ac. whereas the development of artificial intelligence, robotics and related technologies is also a condition to reach the sustainability goals of the European Green Deal in many different sectors; whereas digital technologies can boost the impact of policies in delivering environmental protection;

Or. en

Amendment 15
Daniel Buda

Motion for a resolution
Recital B

Motion for a resolution	*Amendment*
B. whereas the Union and its Member States have a particular responsibility to make sure that these technologies contribute to the well-being and general interest of their citizens;	B. whereas the Union and its Member States have a particular responsibility to make sure that these technologies contribute to the well-being and general interest of their citizens***, while providing guarantees to enhance the added value of artificial intelligence in the EU***;

Or. ro

Amendment 16
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital B

Motion for a resolution	*Amendment*
B. whereas the Union and its Member States have a particular responsibility to make sure that these technologies contribute to the well-being and general interest of their citizens;	B. whereas the Union and its Member States have a particular responsibility to make sure that these technologies contribute to the well-being and general interest of their citizens***, and are advanced for the benefit of humanity***;

Or. en

Amendment 17
Emil Radev

Motion for a resolution
Recital B

Motion for a resolution	*Amendment*
B. whereas the Union and its Member States have a particular responsibility to make sure that these technologies contribute to the well-being and general interest of their citizens;	B. whereas the Union and its Member States have a particular responsibility to make sure that these technologies ***are safe and*** contribute to the well-being and general interest of their citizens;

Or. bg

Amendment 18
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Recital B a (new)

Motion for a resolution	*Amendment*
	Ba. whereas a European operational framework is of key importance in avoiding the fragmentation of the Single Market, resulting from differing national

legislations; whereas, an action at European level will help fostering much needed investment, data infrastructure, research and common ethical norms; whereas this framework should be established according to the better regulation principle;

Or. en

Amendment 19
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital B b (new)

Motion for a resolution	*Amendment*
	Bb. whereas such a framework should include legislative actions, where needed, including mandatory measures to prevent practices that would undoubtedly undermine fundamental rights and freedoms as defined in the Charter of Fundamental Rights of the European Union;

Or. en

Amendment 20
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital C

Motion for a resolution	*Amendment*
C. whereas a common framework for the development, deployment and use of artificial intelligence, robotics and related technologies within the Union should ***both protect*** citizens from their potential risks and ***promote the trustworthiness of such***	C. whereas a common framework for the development, deployment and use of artificial intelligence, robotics and related technologies within the Union should ***allow*** citizens ***to share the benefits drawn*** from their potential***, while protecting them, the public space and the environment from***

technologies in the world;	***possible*** risks and ***promoting trustworthy technology***;

Or. en

Amendment 21
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital C

Motion for a resolution	*Amendment*
C. whereas a common framework ***for*** the development, deployment and use of artificial intelligence, ***robotics and related technologies within the Union should both protect citizens from their potential risks and promote the trustworthiness of such technologies in the world***;	C. whereas a common ***European*** framework ***should ensure*** the development, ***the*** deployment and ***the*** use of ***trustworthy, ethical and technically robust*** artificial intelligence, ***based on Union's laws and values and guided by the principles of transparency and explainability, fairness, accountability and responsibility***;

Or. en

Amendment 22
Daniel Buda

Motion for a resolution
Recital C a (new)

Motion for a resolution	*Amendment*
	Ca. whereas, therefore, this common framework must make it possible to strike a balance with regard to the protection of citizens, maintaining confidence in the safety, reliability and consistency of goods and services, including digital technologies, and investment in innovative AI systems;

Or. ro

Amendment 23
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital D

Motion for a resolution	*Amendment*
D. whereas Parliament has carried out substantial research and adopted several positions on the legal and ethical questions relating to these technologies;	***deleted***

Or. en

Amendment 24
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital D a (new)

Motion for a resolution	*Amendment*
	Da. whereas the Union has a strict legal framework in place to ensure, inter alia, the protection of personal data and privacy and against discrimination, promote gender balance, environment protection and consumers' rights;

Or. en

Amendment 25
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital D b (new)

Motion for a resolution	*Amendment*
	Db. whereas such an extensive body of horizontal and sectoral legislation , including the existing rules on product

safety and liability, will continue to apply in relation to artificial intelligence, robotics and related technologies, although certain adjustments to specific legal instruments may be necessary to reflect the digital transformation and address new challenges posed by the use of artificial intelligence;

Or. en

Amendment 26
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital E

Motion for a resolution	*Amendment*
E. whereas ***such questions should be addressed through a comprehensive*** and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights ***that would*** bring legal certainty to businesses and citizens alike;	E. whereas ***in addition to adjustments to existing legislation a common*** and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights ***is needed to address the ethical questions related to development, deployment and use of artificial intelligence, robotics and related technologies in order to*** bring legal certainty to businesses and citizens alike;

Or. en

Amendment 27
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital E

Motion for a resolution	*Amendment*
E. whereas ***such*** questions should be addressed through a comprehensive and future-proof ***legal*** framework reflecting the Union's principles and values as enshrined	E. whereas ***legal and ethical*** questions ***relating to these technologies*** should be addressed through a comprehensive and future-proof framework ***of Union law,***

in the Treaties and the Charter of Fundamental Rights ***that would bring*** legal certainty ***to*** businesses and citizens alike;	reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights ***to increase*** legal certainty ***for*** businesses and citizens alike ***and to secure civil rights, labour rights and environmental standards***;

Or. en

Amendment 28
Marion Walsmann

Motion for a resolution
Recital E

Motion for a resolution	*Amendment*
E. whereas such questions should be addressed through a comprehensive and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal certainty to businesses and citizens alike;	E. whereas such questions should be addressed through a comprehensive and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal certainty to businesses and citizens alike ***and at the same time refraining from over-regulation by only closing existing legal loopholes***;

Or. de

Amendment 29
Daniel Buda

Motion for a resolution
Recital E

Motion for a resolution	*Amendment*
E. whereas such questions should be addressed through a comprehensive and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal	E. whereas such questions should be addressed through ***an effective,*** comprehensive and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring ***protection,***

certainty to businesses and citizens alike;	***confidence and*** legal certainty to businesses and citizens alike;

Or. ro

Amendment 30
Jiří Pospíšil

Motion for a resolution
Recital E

Motion for a resolution	*Amendment*
E. whereas ***such questions should be addressed through a comprehensive and future-proof*** legal framework ***reflecting*** the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal certainty to businesses and citizens alike;	E. ***whereas there are new issues arising related to the existing legal framework;*** whereas ***the*** legal framework ***should be future-proof and should reflect*** the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal certainty to businesses and citizens alike;

Or. cs

Amendment 31
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Recital E

Motion for a resolution	*Amendment*
E. whereas such questions should be addressed through a comprehensive and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal certainty to ***businesses*** and ***citizens*** alike;	E. whereas such questions should be addressed through a comprehensive and future-proof legal framework reflecting the Union's principles and values as enshrined in the Treaties and the Charter of Fundamental Rights that would bring legal certainty to ***all citizens*** and ***businesses*** alike;

Or. fr

Amendment 32
Liesje Schreinemacher

Motion for a resolution
Recital E a (new)

Motion for a resolution	*Amendment*
	Ea. Whereas the diversity of applications driven by artificial intelligence, robotics and related technologies complicates finding a single solution suitable for the entire spectrum of risks; notes in this respect that an approach should be adopted in which experiments, pilots and regulatory sandboxes are used to come up with proportional and evidence-based solutions;

Or. en

Amendment 33
Liesje Schreinemacher

Motion for a resolution
Recital E b (new)

Motion for a resolution	*Amendment*
	Eb. Whereas the future regulatory framework needs to take into consideration all the interests at stake; whereas careful examination of the consequences of any new regulatory framework on all actors in an impact assessment should be a prerequisite for further legislative steps; whereas the crucial role of Small- and Medium sized enterprises (SMEs) and start-ups especially in the European economy justifies a strictly proportionate approach to enable them to develop and innovate;

Or. en

Amendment 34
Marion Walsmann

Motion for a resolution
Recital F

Motion for a resolution	*Amendment*
F. whereas for the scope of that framework to be adequate it should cover a wide range of technologies and their components, including algorithms, software and data used or produced by them;	F. whereas for the scope of that framework to be adequate it should cover a wide range of technologies and their components, including algorithms, software and data used or produced by them***, but it should be borne in mind that, due to these technologies, this regulation should only be used in addition to the existing sector-specific legislation***;

Or. de

Amendment 35
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Recital F

Motion for a resolution	*Amendment*
F. whereas ***for*** the scope of that framework ***to*** be adequate it should cover a wide range of technologies and their components, including algorithms, software and data used or produced by them;	F. whereas the scope of that framework ***should*** be adequate***, proportionate and thoroughly assessed; whereas while*** it should cover a wide range of technologies and their components, including algorithms, software and data used or produced by them***, a targeted approach based on the concept of high risk is necessary to avoid hampering future innovations***;

Or. en

Amendment 36
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital F

Motion for a resolution	*Amendment*
F. whereas for the scope of ***that*** framework to be adequate it should cover ***a wide range of*** technologies ***and*** their ***components, including algorithms, software and data used or produced by them***;	F. whereas for the scope of ***such regulatory*** framework to be adequate***, proportionate and avoid the creation of unnecessary burdens, especially for SMEs,*** it should cover ***only those*** technologies ***in relation to which, considering*** their ***intended use and the sectors where they are employed, significant risk can be expected to occur***;

Or. en

Amendment 37
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital F

Motion for a resolution	*Amendment*
F. whereas for the scope of ***that*** framework to be adequate it should cover a wide range of technologies and their components, including algorithms, software and data used or produced by them;	F. whereas for the scope of ***the legal*** framework to be adequate it should cover a wide range of technologies and their components, including algorithms, software and data used or produced by them***, but also the global technical infrastructures allowing these technologies to function***;

Or. en

Amendment 38
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital G

Motion for a resolution	*Amendment*
G. whereas ***that*** framework should	G. whereas ***the Union's legal***

encompass all ***situations requiring due consideration of the Union's principles and values***, namely development***,*** deployment ***and*** use of the relevant technologies and their components;	framework should encompass all ***relevant stages***, namely ***from the*** development ***and*** deployment ***to the*** use of the relevant technologies and their components;

Or. en

Amendment 39
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital G

Motion for a resolution	*Amendment*
G. whereas that framework should ***encompass all situations requiring due consideration of the Union's principles and values, namely*** development, deployment and use of ***the*** relevant technologies and their components;	G. whereas that framework should ***make sure that the*** development, ***the*** deployment and ***the*** use of relevant technologies and their components ***are fully compliant with the Union's principles and values***;

Or. en

Amendment 40
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital G

Motion for a resolution	*Amendment*
G. whereas that framework should encompass all situations requiring due consideration of the Union's principles and values, namely development, deployment and use of the relevant technologies and their components;	G. whereas that framework should encompass all situations requiring due consideration of the Union's principles and values, namely development, deployment and use of the relevant ***high-risk*** technologies and their components;

Or. en

Amendment 41
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital H

Motion for a resolution	*Amendment*
H. whereas ***a harmonised approach to*** ethical principles relating to artificial intelligence, robotics and related technologies ***requires*** a common understanding ***in the Union of those concepts and*** of concepts such as algorithms***,*** software***, data or biometric recognition***;	H. whereas ethical principles relating to artificial intelligence, robotics and related technologies ***require*** a common understanding of concepts ***that make up the technologies,*** such as algorithms ***and*** software;

Or. en

Amendment 42
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital H

Motion for a resolution	*Amendment*
H. whereas a harmonised approach to ethical principles relating to artificial intelligence, robotics and related technologies requires a common understanding in the Union of those concepts and of concepts such as algorithms, software, data or biometric recognition;	H. whereas a harmonised approach to ethical principles relating to ***high-risk*** artificial intelligence, robotics and related technologies requires a common understanding in the Union of those concepts and of concepts such as algorithms, software, data or biometric recognition;

Or. en

Amendment 43
Daniel Buda

Motion for a resolution
Recital I

Motion for a resolution	*Amendment*
I. whereas action at Union level is justified by the need for a homogenous application of common ethical principles when developing, deploying and using artificial intelligence, robotics and related technologies;	I. whereas action at Union level is justified by the need ***to avoid regulatory fragmentation or a series of national regulatory provisions with no common denominator*** for a homogenous application of common ethical principles when developing, deploying and using artificial intelligence, robotics and related technologies;

Or. ro

Amendment 44
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Recital I

Motion for a resolution	*Amendment*
I. whereas action at Union level is justified by the need for a homogenous application of common ethical principles when developing, deploying and using artificial intelligence, robotics and related technologies;	I. whereas action at Union level is justified by the need for a homogenous application of common ethical principles when developing, deploying and using artificial intelligence, robotics and related technologies; ***whereas clear rules are needed where major risks are at stake;***

Or. en

Amendment 45
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital I

Motion for a resolution	*Amendment*
I. whereas action at Union level is justified ***by the need for*** a homogenous application of common ethical principles	I. whereas action at Union level is justified ***to ensure*** a homogenous application of common ethical principles

when developing, deploying and using artificial intelligence, robotics and related technologies;	***enshrined in law*** when developing, deploying and using artificial intelligence, robotics and related technologies;

Or. en

Amendment 46
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital I

Motion for a resolution	*Amendment*
I. whereas action at Union level is justified by the need for a homogenous application of common ethical principles when developing, deploying and using artificial intelligence, robotics and related technologies;	I. whereas action at Union level is justified by the need for a homogenous application of common ethical principles when developing, deploying and using ***high-risk*** artificial intelligence, robotics and related technologies;

Or. en

Amendment 47
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Recital I a (new)

Motion for a resolution	*Amendment*
	Ia. whereas the European Union needs to recognise, harness and promote the benefits of artificial intelligence, robotics and related technologies for the society, while democratically deciding on the limitations to be laid down and safeguards to be provided to ensure the development, deployment and use of ethically embedded technologies that respect the Charter of Fundamental Rights of the European Union;

Or. en

Amendment 48
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital J

Motion for a resolution	*Amendment*
J. whereas common ethical principles are only efficient where those responsible for ensuring, assessing and monitoring compliance are identified;	J. whereas common ethical principles are only efficient where ***they are also enshrined in law, and*** those responsible for ensuring, assessing and monitoring compliance are identified;

Or. en

Amendment 49
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital J a (new)

Motion for a resolution	*Amendment*
	Ja. whereas there are serious concerns that the current EU legal framework, including the consumer law acquis, data protection legislation, product safety and market surveillance legislation, as well as antidiscrimination legislation is not fit for purpose to effectively tackle the risks created by artificial intelligence, robotics and related technologies;

Or. en

Amendment 50
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital J b (new)

Motion for a resolution	*Amendment*
	Jb. whereas ethical guidance, such as the principles adopted by the High-Level Expert Group on Artificial Intelligence, provides a good starting point but is not enough to ensure that businesses act fairly and guarantee the effective protection of individuals;

Or. en

Amendment 51
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Recital K

Motion for a resolution	*Amendment*
K. whereas each Member State should establish a national supervisory authority responsible for ensuring, assessing and monitoring compliance***, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders*** and ***the civil society;***	K. whereas each Member State should establish a national supervisory authority responsible for ensuring, assessing and monitoring the compliance ***of the development, deployment and use of artificial intelligence, robotics*** and ***related technologies with these ethical principles;*** and to allow discussions and exchanges of views in close cooperation with stakeholders and civil society;

Or. fr

Amendment 52
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Recital K

Motion for a resolution	*Amendment*
K. whereas each Member State should ***establish*** a national supervisory authority responsible for ***ensuring,*** assessing ***and***	K. whereas each Member State should ***designate*** a national supervisory authority responsible for assessing ***the*** compliance ***of***

monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;	***high-risk technologies with the ethical framework***, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;

Or. en

Amendment 53
Jiří Pospíšil

Motion for a resolution
Recital K

Motion for a resolution	*Amendment*
K. whereas ***each Member State should establish*** a national supervisory authority responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;	K. Whereas ***the Member States may, depending on their capacities, consider establishing*** a national supervisory authority responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;

Or. cs

Amendment 54
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Recital K

Motion for a resolution	*Amendment*
K. whereas each Member State should ***establish a national*** supervisory authority responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;	K. whereas each Member State should ***designate a competent*** supervisory authority responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;

Or. en

Amendment 55
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Recital K

Motion for a resolution	*Amendment*
K. whereas each Member State should establish a national supervisory ***authority*** responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;	K. whereas each Member State should establish a national supervisory ***system*** responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;

Or. fr

Amendment 56
Marion Walsmann

Motion for a resolution
Recital K

Motion for a resolution	*Amendment*
K. whereas each Member State should establish a national supervisory authority responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society;	K. whereas each Member State should establish a national supervisory authority responsible for ensuring, assessing and monitoring compliance, and for enabling discussion and exchange of points of view in close cooperation with the concerned stakeholders and the civil society ***and national supervisory authorities should cooperate with each other;***

Or. de

Amendment 57
Marion Walsmann

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas Parliament continues to call for the establishment of a European Agency to ensure a harmonised approach across the Union and address the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	***deleted***

Or. de

Amendment 58
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas Parliament continues to call for the establishment of a European Agency to ensure a harmonised approach across the Union and address the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	***deleted***

Or. fr

Amendment 59
Raffaele Stancanelli

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas Parliament continues to call for the establishment of a European Agency to ensure a harmonised approach across the Union and address the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	***deleted***

Or. it

Amendment 60
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas Parliament continues to call for the establishment of a European Agency to ensure a harmonised approach across the Union and address the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	***deleted***

Or. en

Amendment 61
Emmanuel Maurel

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas ***Parliament continues*** to ***call for the establishment of a European Agency to ensure a harmonised approach across the Union*** and address the new	L. whereas ***in order*** to ***ensure a harmonised approach across the Union and the optimal functioning of the Digital Single Market*** and ***to*** address the new

opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments***, Parliament calls for the establishment of a European agency for artificial intelligence, robotics and related technologies***.

Or. fr

Amendment 62
Karen Melchior

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas ***Parliament continues to call for the establishment of a*** European Agency ***to ensure*** a harmonised approach across the Union ***and address*** the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	L. whereas ***the idea of entrusting an existing or new*** European Agency ***or European body with the task of ensuring*** a harmonised approach across the Union ***should be assessed as regards*** the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.

Or. en

Amendment 63
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas ***Parliament continues to call for the establishment of a*** European ***Agency to ensure*** a harmonised approach across the Union ***and address*** the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	L. whereas ***the idea of entrusting an existing*** European ***body with the task of ensuring*** a harmonised approach across the Union ***should be assessed as regards*** the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological

developments.

Or. en

Amendment 64
Jiří Pospíšil

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas Parliament ***continues to call*** for ***the establishment of a European Agency to ensure*** a harmonised approach across the Union and ***address*** the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	L. whereas Parliament ***calls*** for a harmonised approach ***to be ensured*** across the Union and ***for*** the new opportunities and challenges ***to be addressed within its framework***, in particular those of a cross-border nature, arising from ongoing technological developments.

Or. cs

Amendment 65
Daniel Buda

Motion for a resolution
Recital L

Motion for a resolution	*Amendment*
L. whereas ***Parliament continues to call for the establishment of a European Agency to*** ensure a harmonised approach across the Union and address the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.	L. whereas ***the European Commission should*** ensure a harmonised approach across the Union and address the new opportunities and challenges, in particular those of a cross-border nature, arising from ongoing technological developments.

Or. ro

Amendment 66
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Subheading 2

Motion for a resolution	*Amendment*
Human-centric ***and human-made*** artificial intelligence	Human-centric artificial intelligence

Or. en

Amendment 67
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph -1 (new)

Motion for a resolution	*Amendment*
	-1. Believes that any legislative action, in particular, related to new technologies should be in line with the principles of necessity and proportionality; points out, in this respect, that the ethical framework considered in this report should be applicable to high-risk artificial intelligence, robotics and related technologies;

Or. en

Amendment 68
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph -1 a (new)

Motion for a resolution	*Amendment*
	-1a. Considers that such an approach will allow companies to introduce innovative products into the market and create new opportunities while ensuring the protection of the European values;

Or. en

Amendment 69
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Paragraph -1 b (new)

Motion for a resolution	*Amendment*
	-1b. Considers that artificial intelligence, robotics and related technologies should be considered« high risk technologies » when they are used in sectors, where given the characteristics of the activities typically undertaken, and are used in such a manner that significant risks can be expected to occur from the viewpoint of safety and fundamental rights and freedoms;

Or. en

Amendment 70
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Paragraph -1 c (new)

Motion for a resolution	*Amendment*
	-1c. Asks the Commission to establish an exhaustive list of the technologies fulfilling these criteria in the form of annex to the Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies; considers that the Commission should review the exhaustive list, if necessary, every six months by means of a delegated act to add new high-risk technologies or delete existing ones if they do not fulfil the criteria anymore; recalls that any changes to the annex

should be thoroughly assessed and justified;

Or. en

Amendment 71
Ibán García Del Blanco

Motion for a resolution
Paragraph 1

Motion for a resolution	*Amendment*
1. Declares that the development, deployment and use of artificial intelligence, robotics and related technologies, including but not exclusively by human beings, should always respect human agency and oversight, as well as allow the retrieval of human control at any time;	1. Declares that the development, deployment and use of artificial intelligence, robotics and related technologies, including but not exclusively by human beings, should always respect human agency and ***democratic*** oversight, as well as allow the retrieval of human control at any time;

Or. en

Amendment 72
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 1

Motion for a resolution	*Amendment*
1. Declares that the development, deployment and use of artificial intelligence, robotics and related technologies, including but not exclusively by human beings, should always respect human agency and oversight, as well as allow the retrieval of human control ***at any time***;	1. Declares that the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including but not exclusively by human beings, should always respect human agency and oversight, as well as allow the retrieval of human control ***when needed***;

Or. en

Amendment 73
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 1

Motion for a resolution	*Amendment*
1. Declares that the development, deployment and use of artificial intelligence, robotics and related technologies, including but not exclusively by human beings, should always respect human agency and oversight, as well as allow the retrieval of human control at any time;	1. Declares that the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including but not exclusively by human beings, should always respect human agency and oversight, as well as allow the retrieval of human control at any time;

Or. en

Amendment 74
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 1

Motion for a resolution	*Amendment*
1. Declares that the development, deployment and use of artificial intelligence, robotics and related technologies***, including but not exclusively by human beings,*** should always ***respect*** human agency ***and*** oversight, ***as well as allow the retrieval of human*** control at any time;	1. Declares that the development, deployment and use of artificial intelligence, robotics and related technologies should always ***be ethically guided, and designed to allow for*** human agency***,*** oversight, ***understanding and*** control at any time;

Or. en

Amendment 75
Daniel Buda

Motion for a resolution
Paragraph 1 a (new)

Motion for a resolution	*Amendment*
	1a. Considers that AI systems must be tailored to human needs in line with the commitment to put them to work in the service of humanity and the common good, seeking to enhance well-being and individual freedom, while at the same time maximising the benefits offered, while preventing and reducing the risks;

Or. ro

Amendment 76
Raffaele Stancanelli

Motion for a resolution
Paragraph 1 a (new)

Motion for a resolution	*Amendment*
	1a. Asserts the principle whereby the development, spread and use of artificial intelligence, robotics and related technologies should always be at the service of human beings and never the other way round;

Or. it

Amendment 77
Emil Radev

Motion for a resolution
Paragraph 1 a (new)

Motion for a resolution	*Amendment*
	1a. Stresses the utmost importance of implementing appropriate control measures, including as regards the adaptability, accuracy and explainability of the system concerned;

Or. bg

Amendment 78
Daniel Buda

Motion for a resolution
Paragraph 1 b (new)

Motion for a resolution	*Amendment*
	1b. Is convinced that, in order to effectively exploit the advantages of AI, prevent possible misuse thereof and avoid regulatory fragmentation at EU level, it is essential to adopt legislation embodying principles adapted to future requirements throughout the EU and applicable to all AI systems; takes the view that, while sector-specific provisions are preferable for a wide range of possible applications, an effective and harmonised legal framework based on common principles and applicable across the board is necessary in order to establish equal standards throughout the Union and effectively protect our European values;

Or. ro

Amendment 79
Daniel Buda

Motion for a resolution
Paragraph 1 c (new)

Motion for a resolution	*Amendment*
	1c. Takes the view that these common framework principles must be based on respect for all rights set out in international human rights law, the EU Treaties and the EU Charter of Fundamental Rights;

Or. ro

Amendment 80
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 2

Motion for a resolution	*Amendment*
2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should always follow from an impartial, regulated and external assessment;	***deleted***

Or. en

Amendment 81
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 2

Motion for a resolution	*Amendment*
2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk ***as regards compliance with ethical principles should always follow from an impartial, regulated and external assessment***;	2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk ***when, considering their intended use and the critical sectors where they are employed, their autonomous operation involves a significant potential to cause harm to one or more persons, in a manner that is random and impossible to predict in advance***; ***considers that the significance of the risks depends on the interplay between the severity of possible harm, the likelihood that the risk materialises and the manner in which the technologies are being used;***

Or. en

Amendment 82
Emmanuel Maurel

Motion for a resolution
Paragraph 2

Motion for a resolution	*Amendment*
2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should always follow from an impartial, regulated and external assessment;	2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should always follow from an impartial, regulated and external assessment ***undertaken in particular on the basis of the analyses and conclusions of the above-mentioned European agency***;

Or. fr

Amendment 83
Caterina Chinnici

Motion for a resolution
Paragraph 2

Motion for a resolution	*Amendment*
2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should always follow from an impartial, regulated and external assessment;	2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should always follow from an impartial, regulated and external ***ex-ante*** assessment;

Or. en

Amendment 84
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 2

Motion for a resolution	*Amendment*
2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered ***high-risk as regards compliance with ethical principles*** should always follow from an impartial, regulated and external assessment;	2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered ***to bear a risk*** should always follow from an impartial, regulated and external assessment;

Or. en

Amendment 85
Jiří Pospíšil

Motion for a resolution
Paragraph 2

Motion for a resolution	*Amendment*
2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should ***always follow from an impartial, regulated and external assessment***;	2. Considers that the determination of whether artificial intelligence, robotics and related technologies are to be considered high-risk as regards compliance with ethical principles should ***be the subject of further discussion***;

Or. cs

Amendment 86
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Paragraph 2 a (new)

Motion for a resolution	*Amendment*
	2a. Underlines that the risk assessment of these technologies in light of ethical principles shall be complementary but not replace the risk assessment on the basis of objective criteria and in line with relevant sector-

specific legislation applicable in different fields such, inter alia, as those of health, transport, employment, justice and home affairs, media, education and culture;

Or. en

Amendment 87
Liesje Schreinemacher

Motion for a resolution
Paragraph 2 a (new)

Motion for a resolution	*Amendment*
	2a. Considers that this assessment should be developed in a way that limits the administrative burden for companies, and SMEs in particular, as much as possible by using existing tools; notes that the Data Protection Impact Assessment list as provided for in Regulation (EU) 2016/679 could be one of those tools;

Or. en

Amendment 88
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Paragraph 2 b (new)

Motion for a resolution	*Amendment*
	2b. Considers that any artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies considered as high-risk from a compliance with ethical principles perspective shall not be classified as low-risk from a sector-specific legislation perspective;

Or. en

Amendment 89
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Subheading 4

Motion for a resolution	*Amendment*
Safety ***features***, transparency ***and*** accountability	Safety, transparency***,*** accountability***, and accessibility***

Or. en

Amendment 90
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph -3 a (new)

Motion for a resolution	*Amendment*
	-3a. Recalls that the right to information of consumers is anchored as a key principle under the EU Treaties (Article 169 TFEU), and underlines that it therefore should be fully implemented in the artificial intelligence and automated decision-making context. It should especially encompass transparency regarding the fact that automation processes are involved and about their mode of functioning, such as how information is filtered and presented;

Or. en

Amendment 91
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph -3 b (new)

Motion for a resolution	*Amendment*
	-3b. Stresses that future regulation on artificial intelligence should follow a differentiated risk-based approach, based on the potential harm for the individual as well as for society at large, taking into account the specific use context of the artificial intelligence system, as well as the presumed opaqueness of decision-making; legal obligations should gradually increase with the identified risk level; in the lowest risk category there should be no special legal obligations beyond those already in place; algorithmic systems that may harm an individual, violate rights and freedoms, affect an individual's access to resources, or negatively impact their participation in society shall not be deemed to belong to the lowest risk category; this risk-based approach should be technologically neutral and follow transparent rules to establish legal certainty;

Or. en

Amendment 92
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph -3 c (new)

Motion for a resolution	*Amendment*
	-3c. Notes that it is essential for the risk assessment documentation, the software documentation, the algorithms and data sets used to be fully accessible to market surveillance authorities, while respecting Union law; additional prerogatives should be given to market surveillance authorities in this respect; stresses in this respect the importance of lawful reverse-engineering;

Or. en

Amendment 93
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph -3 d (new)

Motion for a resolution	*Amendment*
	-3d. Calls for a requirement for developers and deployers to provide for the relevant documentation on the use and design instructions, including source code, development tools and data used by the system, to be made easily accessible through a mandatory legal deposit, where a risk assessment so indicates; Notes that only such an obligation would allow authorities to assess the compliance of systems with Union law and ethical principles; Recommends that for vital and advanced medical appliances, these authorities, or other independent trusted entities, retain the means necessary to provide services, for example to persons carrying these appliances, such as maintenance, repairs, and enhancements, including software updates, especially in the case where such services are no longer carried out by the original supplier, to preserve human dignity, autonomy, and self-determination of the individual;

Or. en

Amendment 94
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 3

Motion for a resolution	*Amendment*
3. Maintains that artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed in a secure, technically rigorous manner and in good faith;	3. Maintains that artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed in a secure, ***traceable,*** technically rigorous***, ethically and legally binding*** manner and in good faith; ***Considers especially that all players throughout the development and supply chains of artificial intelligence products and services should be legally accountable for the ethical aspects laid out in this Regulation;***

Or. en

Amendment 95
Emil Radev

Motion for a resolution
Paragraph 3

Motion for a resolution	*Amendment*
3. Maintains that artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed in a secure, technically rigorous manner and in good faith;	3. Maintains that artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies***, regardless of the field in which they are used,*** should be developed in a secure, ***dependable and*** technically rigorous manner and in good faith;

Or. bg

Amendment 96
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 3

Motion for a resolution	*Amendment*
3. Maintains that ***artificial intelligence, robotics and related*** technologies, including the software, algorithms and data used or produced by such technologies should be developed in a secure***,*** technically ***rigorous*** manner ***and in good faith***;	3. Maintains that ***high-risk*** technologies, including the software, algorithms and data used or produced by such technologies should be developed in a ***legal,*** secure ***and*** technically ***robust*** manner;

Or. en

Amendment 97
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 3

Motion for a resolution	*Amendment*
3. Maintains that artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed in a secure, technically rigorous manner ***and in good faith***;	3. Maintains that ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed in a secure, technically rigorous manner;

Or. en

Amendment 98
Emil Radev

Motion for a resolution
Paragraph 3 a (new)

Motion for a resolution	*Amendment*
	3a. Highlights the need for mechanisms to ensure liability and accountability in respect of AI systems and their outcomes;

Or. bg

Amendment 99
Daniel Buda

Motion for a resolution
Paragraph 4

Motion for a resolution	*Amendment*
4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies, ***and that*** it should be complemented by auditability and traceability;	4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies; ***points out that it is not always possible to explain why a model has led to a particular result or decision, black box algorithms being a case in point; in such cases*** it should be complemented by auditability and traceability ***and transparent information regarding system capacities***;

Or. ro

Amendment 100
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara, Javier Nart

Motion for a resolution
Paragraph 4

Motion for a resolution	*Amendment*
4. Underlines that explainability ***is*** essential to ***ensuring that*** citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies, and that it should be complemented by auditability and traceability;	4. Underlines that ***transparency and*** explainability ***are*** essential to ***ensure*** citizens***'*** trust ***in*** these technologies, even if the degree of explainability is relative to the complexity of the technologies, and that it should be complemented by auditability and traceability; ***considers that the respect of these principles is a precondition to guarantee accountability;***

Or. en

Amendment 101
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 4

Motion for a resolution	*Amendment*
4. Underlines that explainability ***is essential to ensuring that citizens trust these*** technologies, even if the degree of explainability ***is*** relative to the complexity of the technologies***, and that it should be complemented by auditability and traceability***;	4. Underlines that explainability***, interpretability, auditability, traceability, and transparency, as well as access to technology, data and computing systems underlying such*** technologies ***contribute to citizens' trust in technology***, even if the degree of explainability ***may be*** relative to the complexity of the technologies;

Or. en

Amendment 102
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 4

Motion for a resolution	*Amendment*
4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies, and that it should be complemented by auditability and traceability;	4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies, and that it should be complemented by ***regulation and guidelines to ensure*** auditability and traceability;

Or. fr

Amendment 103
Emil Radev

Motion for a resolution
Paragraph 4

Motion for a resolution	*Amendment*
4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies***, and that it should be complemented by auditability and traceability***;	4. Underlines that ***traceability of AI systems should be ensured. In this connection,*** explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies;

Or. bg

Amendment 104
Jiří Pospíšil

Motion for a resolution
Paragraph 4

Motion for a resolution	*Amendment*
4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies, and that it should be complemented by auditability and traceability;	4. Underlines that explainability is essential to ensuring that citizens trust these technologies, even if the degree of explainability is relative to the complexity of the technologies, and that it should be complemented by auditability and traceability ***of the records of their activities***;

Or. cs

Amendment 105
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 4 a (new)

Motion for a resolution	*Amendment*
	4a. Considers that citizens should be informed when interacting with a system using artificial intelligence in particular to personalise a product or service to its users, whether they can switch off or

restrain the personalisation; considers, furthermore, that transparency measures should be accompanied, as far as this is technically possible, by clear and understandable explanations of the data used, of the algorithm, of its purpose, of its outcomes, and of its potential dangers;

Or. en

Amendment 106
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 4 a (new)

Motion for a resolution	*Amendment*
	4a. Asks the Commission to issue binding rules for companies to publish transparency reports including the existence, functionality, process, main criteria, the logic behind the datasets used and possible outcome of algorithmic systems and efforts to identify, prevent and mitigate discrimination in artificial intelligence and automated decision making systems in a timely, impartial, easily-readable, and accessible manner;

Or. en

Amendment 107
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 4 b (new)

Motion for a resolution	*Amendment*
	4b. Stresses that where public money essentially contributes to the development or implementation of artificial intelligence, robotics and related technologies, the code, the generated data

- as far as it is non-personal - and the trained model should be public by default, in addition to open procurement and open contracting standards to enable transparency and reuse, among other goals, to maximise the achievement of the Single Market, and to avoid market fragmentation;

Or. en

Amendment 108
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Subheading 4 a (new)

Motion for a resolution	*Amendment*
	Redress

Or. en

Amendment 109
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 4 c (new)

Motion for a resolution	*Amendment*
	4c. Recalls the importance of ensuring the availability of effective remedies for individuals and calls on the Member States to ensure that accessible, affordable, independent and effective procedures are available to guarantee an impartial review of all claims of violations of consumer, civil and equal rights through the use of algorithmic systems, whether stemming from public or private sector actors;

Or. en

Amendment 110
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 5

Motion for a resolution	*Amendment*
5. ***Recalls that*** the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should respect human dignity and ensure equal treatment for all;	5. ***Is concerned by the risks of biases and discrimination in*** the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies***; recalls that***, ***in all circumstances, they*** should respect human dignity and ensure equal treatment for all;

Or. en

Amendment 111
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 5

Motion for a resolution	*Amendment*
5. Recalls that the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by ***such technologies***, should respect human dignity and ensure equal treatment for all;	5. Recalls that the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by ***them***, should respect ***Union law, as well as*** human ***rights and*** dignity***, autonomy and self-determination of the individual,*** and ensure equal treatment ***and non-discrimination*** for all;

Or. en

Amendment 112
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 5

Motion for a resolution	*Amendment*
5. Recalls that the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should respect human dignity and ensure equal treatment for all;	5. Recalls that the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should respect human dignity and ensure equal treatment for all;

Or. en

Amendment 113
Daniel Buda

Motion for a resolution
Paragraph 5 a (new)

Motion for a resolution	*Amendment*
	5a. Stresses that AI systems should be designed to respect, serve and protect moral values and physical and mental integrity, promote a sense of personal and cultural identity and help satisfy essential needs; underlines the need to avoid any use of AI systems that might lead to inadmissible direct or indirect coercion, threaten to undermine psychological autonomy and mental health or lead to unjustified surveillance, deception or inadmissible manipulation;

Or. ro

Amendment 114
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 5 a (new)

Motion for a resolution	*Amendment*
	5a. Firmly believes that there is an urgent need to examine how fundamental human rights texts and principles, as well as the resultant obligations, should be applied effectively to ensure that these emerging technologies do not create gaps in terms of protection;

Or. fr

Amendment 115
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 6

Motion for a resolution	*Amendment*
6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by setting rules for the processes through which they are designed and used***, as this approach would have the potential to turn software, algorithms and data into a considerable counterbalance to bias and discrimination, and a positive force for social change***;	6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by setting rules for the processes through which they are designed and used;

Or. fr

Amendment 116
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 6

Motion for a resolution	*Amendment*
6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by ***setting*** rules	6. Affirms that possible bias in and discrimination by software, algorithms and data ***can cause manifest harm to***

for the processes through which they are designed and used***, as*** this approach ***would*** have the potential to turn software, algorithms and data into ***a considerable counterbalance to*** bias and discrimination, and a ***positive*** force for social change;	***individuals and to society, therefore they*** should be addressed by ***encouraging the development and sharing of strategies to counter these, such as de-biasing datasets in research and development, and by the development of*** rules for the processes through which they are designed and used***; considers*** this approach ***to*** have the potential to turn software, algorithms and data into ***an asset in combating*** bias and discrimination, and a force for ***positive*** social change;

Or. en

Amendment 117
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 6

Motion for a resolution	*Amendment*
6. ***Affirms*** that possible bias in and discrimination by software***,*** algorithms ***and data should*** be addressed by setting rules ***for the processes through which they are designed and used, as this approach would have*** the potential to ***turn software, algorithms and data into a considerable counterbalance to bias and*** discrimination***, and a positive force for social change***;	6. ***Considers*** that possible bias in and discrimination by software ***and*** algorithms ***could*** be addressed by setting rules ***on data processing; points out also that the use of AI, robotics and related technologies has*** the potential to ***fight*** discrimination ***in certain situation***;

Or. en

Amendment 118
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 6

Motion for a resolution	*Amendment*
6. Affirms that possible bias in and discrimination by software, algorithms and	6. Affirms that possible bias in and discrimination by software, algorithms and

data should be addressed by setting rules for the processes through which they are designed and used, as this approach would have the potential to turn software, algorithms and data into a considerable counterbalance to bias and discrimination, and a positive force for social change;	data should be addressed by setting rules for the processes through which they are designed and used, as this approach would have the potential to turn software, algorithms and data into a considerable counterbalance to bias and discrimination, and a positive force for ***equal rights and*** social change;

Or. fr

Amendment 119
Raffaele Stancanelli

Motion for a resolution
Paragraph 6

Motion for a resolution	*Amendment*
6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by setting rules for the processes through which they are designed and used, as this approach would have the potential to turn software, algorithms and data into a considerable counterbalance to bias and discrimination***,*** ***and a positive force for social change***;	6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by setting rules for the processes through which they are designed and used, as this approach would have the potential to turn software, algorithms and data into a considerable counterbalance to bias and discrimination;

Or. it

Amendment 120
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 6

Motion for a resolution	*Amendment*
6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by setting rules for the processes through which they are designed and used, as this approach would have the potential to turn software,	6. Affirms that possible bias in and discrimination by software, algorithms and data should be addressed by setting rules for the processes through which they are designed and used, as this approach would have the potential to turn software,

algorithms and data into a considerable counterbalance to bias and discrimination, and a positive force for social change;	algorithms and data into a considerable counterbalance to ***unfair*** bias and discrimination, and a positive force for social change;

Or. en

Amendment 121
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution	*Amendment*
	6a. Underlines the importance of an ethical and regulatory framework including in particular provisions on the quality of data sets used for artificial intelligence and automated decision making systems depending on their context, especially regarding the representativeness of the training data, on the de-biasing of data sets, on the algorithms used, and on data and aggregation standards;

Or. en

Amendment 122
Stéphane Séjourné, Liesje Schreinemacher, Karen Melchior, Adrián Vázquez Lázara

Motion for a resolution
Subheading 5 a (new)

Motion for a resolution	*Amendment*
	Right to redress

Or. en

Amendment 123
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara,

Javier Nart

Motion for a resolution
Paragraph 6 a (new)

Motion for a resolution	*Amendment*
	6a. Considers that any natural or legal person should be able to seek redress of a decision issued by a high-risk artificial intelligence, robotics or related technology at his or her detriment;

Or. en

Amendment 124
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard ***and promote*** fundamental values ***of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity***;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard ***social equality, labour rights and prosperity as well as*** fundamental ***rights and*** values;

Or. en

Amendment 125
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, ***freedom of expression and political pluralism,*** diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;

Or. fr

Amendment 126
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies ***should*** safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies ***has a role to play in contributing to find solutions that*** safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;

Or. en

Amendment 127
Emil Radev

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, ***the rule of law,*** diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity***, etc.***;

Or. bg

Amendment 128
Ibán García Del Blanco

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental ***rights and*** values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, ***accessibility,*** digital literacy, innovation and creativity;

Or. en

Amendment 129
Caterina Chinnici

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should safeguard and promote fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, ***protection of children,*** cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;

Or. en

Amendment 130
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 7

Motion for a resolution	*Amendment*
7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should ***safeguard and promote*** fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;	7. Emphasises that socially responsible artificial intelligence, robotics and related technologies should ***aim at safeguarding and promoting*** fundamental values of our society such as democracy, diverse and independent media and objective and freely available information, health and economic prosperity, equality of opportunity, workers' and social rights, quality education, cultural and linguistic diversity, gender balance, digital literacy, innovation and creativity;

Or. en

Amendment 131
Raffaele Stancanelli

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution	*Amendment*
	7a. Stresses the vital importance of guaranteeing freedom of thought and expression, to prevent some ideas that are not considered 'politically correct' from being deleted in advance through the use of certain software and algorithms, with the aim of promoting certain ideas and values to the detriment of others;

Or. it

Amendment 132
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution	*Amendment*
	7a. Stresses that the benefits of developing and using artificial intelligence, robotics and related technologies must be shared in such a way as to reduce social inequalities;

Or. fr

Amendment 133
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 7 b (new)

Motion for a resolution	*Amendment*
	7b. Asserts that the European model for developing artificial intelligence,

robotics and related technologies must be based on citizens' trust and greater social cohesion;

Or. fr

Amendment 134
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 7 c (new)

Motion for a resolution	*Amendment*
	7c. Objects to the deployment of artificial intelligence systems such as facial, biometric or emotion recognition in public spaces, with the exception of certain establishments which might be visited by the public and which, by their nature, pose a high security risk to individuals and the state;

Or. fr

Amendment 135
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 7 d (new)

Motion for a resolution	*Amendment*
	7d. Considers any artificial intelligence mechanism which hinders or restricts freedom of expression exercised digitally, except in cases of abuse of that freedom as laid down by law and sanctioned by the judiciary, to be illegal under the fundamental principles of the European Union;

Or. fr

Amendment 136
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 7 e (new)

Motion for a resolution	*Amendment*
	7e. Calls for a ban on the deployment of any artificial intelligence system which restricts users' access to public services;

Or. fr

Amendment 137
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 8

Motion for a resolution	*Amendment*
8. ***Proposes that the*** potential of artificial intelligence, robotics and related technologies ***in this regard should be maximized and explored through responsible research and innovation that requires the*** mobilisation of resources by the Union and its Member States;	8. ***Stresses the importance of responsible research and development aiming at maximizing a full*** potential of artificial intelligence, robotics and related technologies ***for citizens and public good; calls for*** mobilisation of resources by the Union and its Member States ***in order to develop and support responsible innovation***;

Or. en

Amendment 138
Raffaele Stancanelli

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution	*Amendment*
	8a. Stresses that technological expertise will be increasingly important and it will therefore be necessary

	continuously to update training courses, in particular for the new generations, and to promote the vocational retraining of people who are already working; innovation and training should be promoted not only in the private sector but also in the public sector;

Or. it

Amendment 139
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 9

Motion for a resolution	*Amendment*
9. Insists that ***the development, deployment and use*** of these technologies should ***not cause*** injury or harm of any kind to individuals or society;	9. Insists that ***developer, deployers and users*** of these technologies should ***be held responsible for*** injury or harm of any kind to individuals or society ***in accordance with the relevant Union and national liability rules***;

Or. en

Amendment 140
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 9

Motion for a resolution	*Amendment*
9. Insists that the development, deployment and use of these technologies should not cause injury or harm of any kind to individuals ***or*** society;	9. Insists that the development, deployment and use of these technologies should not cause injury or harm of any kind to individuals***,*** society ***or environment***;

Or. en

Amendment 141
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 9 a (new)

Motion for a resolution	*Amendment*
	9a. Emphasises, in particular, that job losses resulting from the deployment of artificial intelligence systems must lead to a corresponding sharing of productivity gains and to appropriate public policies such as a reduction of working time;

Or. fr

Amendment 142
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 10

Motion for a resolution	*Amendment*
10. States that it is essential that artificial intelligence, robotics and related technologies ***support*** the achievement of sustainable development, climate neutrality and circular economy goals; the development, deployment and use of these technologies should ***be environmentally friendly, and*** contribute to ***minimising*** any harm caused to the environment during their lifecycle and across their entire supply chain;	10. States that it is essential that artificial intelligence, robotics and related technologies ***benefit the people and the planet, contribute to*** the achievement of sustainable development***, the preservation of the environment***, climate neutrality and circular economy goals; the development, deployment and use of these technologies should contribute to ***the green transition, preserve the environment, and minimise and remedy*** any harm caused to the environment during their lifecycle and across their entire supply chain;

Or. en

Amendment 143
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 10

Motion for a resolution	*Amendment*
10. States that ***it is essential that*** artificial intelligence, robotics and related technologies support the achievement of sustainable development, climate neutrality and circular economy goals; the development, deployment and use of these technologies should be environmentally friendly, and contribute to minimising any harm caused to the environment during their lifecycle and across their entire supply chain;	10. States that ***high-risk*** artificial intelligence, robotics and related technologies ***can contribute to finding solutions to*** support the achievement of sustainable development, climate neutrality and circular economy goals; the development, deployment and use of these technologies should be environmentally friendly, and contribute to minimising any harm caused to the environment during their lifecycle and across their entire supply chain ***in line with Union law***;

Or. en

Amendment 144
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 10

Motion for a resolution	*Amendment*
10. States ***that it is essential*** that artificial intelligence, robotics and related technologies support the achievement of sustainable development, climate neutrality and circular economy goals; the development, deployment and use of these technologies should be environmentally friendly, and contribute to minimising any harm caused to the environment during their lifecycle and across their entire supply chain;	10. States that artificial intelligence, robotics and related technologies ***can be used by government and businesses to*** support the achievement of sustainable development, climate neutrality and circular economy goals; the development, deployment and use of these technologies should be environmentally friendly, and contribute to minimising any harm caused to the environment during their lifecycle and across their entire supply chain;

Or. en

Amendment 145
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 10 a (new)

Motion for a resolution	*Amendment*
	10a. Considers that, for the purposes of the previous paragraph, the environmental impact of developing and deploying artificial intelligence, robotics and related technologies should always be evaluated throughout their lifetime and that the evaluation should include an estimate of the impact of the extraction of the materials needed, the energy consumption and the greenhouse gas emissions caused by their production, development and operation;

Or. fr

Amendment 146
Ibán García Del Blanco

Motion for a resolution
Paragraph 11

Motion for a resolution	*Amendment*
11. Proposes that the potential of artificial intelligence, robotics and related technologies ***in this regard*** should be maximized ***and explored*** through responsible research and innovation that requires the mobilisation of resources by the Union and its Member States;	11. Proposes that ***for the purpose of developing responsible cutting-edge artificial intelligence solutions,*** the potential of artificial intelligence, robotics and related technologies should be ***explored, stimulated and*** maximized through responsible research and innovation that requires the mobilisation of resources by the Union and its Member States;

Or. en

Amendment 147
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 11

Motion for a resolution	*Amendment*
11. Proposes that the potential of artificial intelligence, robotics and related technologies in this regard should be maximized and explored through responsible research and ***innovation*** that requires the mobilisation of resources by the Union and its Member States;	11. Proposes that the potential of artificial intelligence, robotics and related technologies in this regard should be maximized and explored through responsible research and ***development*** that requires the mobilisation of resources by the Union and its Member States;

Or. en

Amendment 148
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 12

Motion for a resolution	*Amendment*
12. Highlights that the development, deployment and use of these technologies provide ***numerous*** opportunities for ***the achievement*** of the Sustainable Development Goals outlined by the United Nations;	12. Highlights that the development, deployment and use of these technologies provide opportunities for ***promoting*** of the Sustainable Development Goals outlined by the United Nations***, global energy transition and decarbonisation***;

Or. en

Amendment 149
Emmanuel Maurel, Manon Aubry

Motion for a resolution
Paragraph 12

Motion for a resolution	*Amendment*
12. ***Highlights*** that the development, deployment and use of these technologies provide ***numerous*** opportunities for the achievement of the Sustainable Development Goals outlined by the United	12. ***Acknowledges*** that the development, deployment and use of these technologies provide opportunities for the achievement of the Sustainable Development Goals outlined by the United

Nations;	Nations;

Or. fr

Amendment 150
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution	*Amendment*
	12a. Considers that the objectives of social responsibility, gender balance, environmental protection and sustainability should be without prejudice to existing general and sectorial obligations within these fields; believes that the Commission should establish non-binding guidelines to the intention of developers, deployers and users on the methodology for the achievement of these objectives;

Or. en

Amendment 151
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution	*Amendment*
	12a. Calls on the Commission to promote and fund the development of human-centric artificial intelligence, robotics and related technologies that address environment and climate challenges and that ensure the equal enjoyment of fundamental rights through the use of tax, procurement, or other incentives;

Or. en

Amendment 152
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 13

Motion for a resolution	*Amendment*
13. Observes that data production and use***, including personal data such as biometric data,*** resulting from the development, deployment and use of artificial intelligence, robotics and related technologies are rapidly increasing, thereby underlining the need to respect the rights of citizens to privacy and protection of personal data in line with Union law;	13. Observes that data production and use resulting from the development, deployment and use of artificial intelligence, robotics and related technologies are rapidly increasing, thereby underlining the need to respect ***and enforce*** the rights of citizens to privacy and protection of personal data in line with Union law;

Or. en

Amendment 153
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 14

Motion for a resolution	*Amendment*
14. Points out that the possibility provided by these technologies of using personal ***data*** and non-personal data to categorise and micro-target people, identify ***the*** vulnerabilities of individuals, or exploit accurate predictive knowledge, has to be counterweighted by ***the*** principles ***of*** data minimisation, the right to obtain an explanation of a decision based on automated processing and privacy by design, as well as those of proportionality, necessity and limitation based on purpose;	14. Points out that the possibility provided by these technologies of using personal and non-personal data to categorise and micro-target people, identify vulnerabilities of individuals, or exploit accurate predictive knowledge, has to be counterweighted by ***effectively enforced data protection and privacy*** principles ***such as*** data minimisation***, the right to object to profiling and control one's data***, the right to obtain an explanation of a decision based on automated processing and privacy by design, as well as those of proportionality, necessity and limitation based on ***strictly identified*** purpose;

Or. en

Amendment 154
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 14

Motion for a resolution	*Amendment*
14. Points out that the possibility provided by ***these*** technologies of using personal data and non-personal data to categorise and micro-target people, identify the vulnerabilities of individuals, or exploit accurate predictive knowledge, has to be counterweighted by the principles of data minimisation, the right to obtain an explanation of a decision based on automated processing and privacy by design, as well as those of proportionality, necessity and limitation based on purpose;	14. Points out that the possibility provided by ***high-risk*** technologies of using personal data and non-personal data to categorise and micro-target people, identify the vulnerabilities of individuals, or exploit accurate predictive knowledge, has to be counterweighted by the principles of data minimisation, the right to obtain an explanation of a decision based on automated processing and privacy by design, as well as those of proportionality, necessity and limitation based on purpose ***in compliance with GDPR***;

Or. en

Amendment 155
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 15

Motion for a resolution	*Amendment*
15. Emphasises that when remote recognition technologies are used by public authorities during times of national emergency, such as during a national health crisis, their use should always be proportionate, limited in time and respectful of human dignity and fundamental rights;	***deleted***

Or. en

Amendment 156
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 15

Motion for a resolution	*Amendment*
15. Emphasises that when remote recognition technologies are used by public authorities ***during times of national emergency, such as during a national health crisis***, their use should always be proportionate, limited in time and respectful of human dignity ***and*** fundamental rights;	15. Emphasises that when remote recognition technologies***, such as recognition of biometric features, notably facial recognition,*** are used by public authorities, their use should always be ***voluntary,*** proportionate, ***targeted and*** limited ***to specific objectives, restricted*** in time***, and carried out in accordance with Union law, with due regard to human rights and dignity, autonomy and self-determination of the individual, and the fundamental rights set out in the Charter. Criteria for and limits to that use should be submitted to democratic scrutiny and debate, subjected to judicial review*** and respectful of human dignity***, autonomy and self-determination of the individual, and further*** fundamental rights;

Or. en

Amendment 157
Jiří Pospíšil

Motion for a resolution
Paragraph 15

Motion for a resolution	*Amendment*
15. Emphasises that when remote recognition technologies are used by public authorities during times of national emergency, such as during a national health crisis, their use should always be proportionate, limited in time and respectful of human dignity and fundamental rights;	15. Emphasises that when remote recognition technologies are used by public authorities during times of national emergency, such as during a national health crisis, their use should always be proportionate, ***transparent,*** limited in time and respectful of human dignity and fundamental rights;

Or. cs

Amendment 158
Ibán García Del Blanco

Motion for a resolution
Paragraph 15

Motion for a resolution	*Amendment*
15. Emphasises that when remote recognition technologies are used by public authorities during times of national emergency, such as during a national health crisis, their use should always be proportionate, limited in time and respectful of human dignity and fundamental rights;	15. Emphasises that when remote recognition technologies are used by public authorities during times of national emergency, such as during a national health crisis, their use should always be proportionate, limited in time and ***scope, and*** respectful of human dignity and fundamental rights;

Or. en

Amendment 159
Sergey Lagodinsky, Alexandra Geese, Patrick Breyer

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution	*Amendment*
	15a. Calls on the Commission to propose a ban on artificial intelligence, automated decision making and related technologies for purposes of mass surveillance and for the use of biometric technologies by private actors in public spaces to safeguard the rights and freedoms guaranteed under the Charter of fundamental rights;

Or. en

Amendment 160
Stéphane Séjourné

Motion for a resolution
Subheading 8 a (new)

Motion for a resolution	*Amendment*
	Public power decisions

Or. en

Amendment 161
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution	*Amendment*
	15a. Points out that while the benefits of deploying artificial intelligence, robotics and related technologies within the framework of public power decisions are unquestionable, severe misuses are also possible, such as mass surveillance, predictive policing and breaches of due process rights;

Or. en

Amendment 162
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 15 b (new)

Motion for a resolution	*Amendment*
	15b. Considers that technologies which can replace decisions taken by public authorities should be treated with the utmost precaution, notably in the area of justice and law enforcement;

Or. en

Amendment 163
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 15 c (new)

Motion for a resolution	*Amendment*
	15c. Believes that Member States should have recourse to such technologies only if there is thorough evidence of their trustworthiness and if human verification is possible or systematic in cases where fundamental liberties are at stake; underlines the importance for national authorities to undertake strict fundamental rights impact assessment for high-risk artificial intelligence systems deployed in these cases;

Or. en

Amendment 164
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher

Motion for a resolution
Paragraph 15 d (new)

Motion for a resolution	*Amendment*
	15d. Is of the opinion that any decision taken by high-risk artificial intelligence, robotics or related technologies within the framework of prerogatives of public power should be subject to strict human verification and due process;

Or. en

Amendment 165
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher

Motion for a resolution
Paragraph 15 e (new)

Motion for a resolution	*Amendment*
	15e. Believes that the technological advancement should not allow for the use of artificial intelligence, robotics and related technologies to autonomously distribute rights or to impose legal obligations on individuals;

Or. en

Amendment 166
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 16

Motion for a resolution	*Amendment*
16. Stresses that appropriate governance of the development, deployment and use of artificial intelligence, robotics and related technologies, including by having measures in place focusing on accountability and addressing potential risks of bias and discrimination, increases citizens' safety and trust in those technologies;	16. Stresses that appropriate governance of the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including by having measures in place focusing on accountability and addressing potential risks of ***unfair*** bias and discrimination, increases citizens' safety and trust in those technologies;

Or. en

Amendment 167
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 16

Motion for a resolution	*Amendment*
16. Stresses that appropriate governance of the development, deployment and use of artificial intelligence, robotics and related	16. Stresses that appropriate governance of the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related

technologies, including by having measures in place focusing on accountability and addressing potential risks of bias and discrimination, increases citizens' safety and trust in those technologies;

technologies, including by having measures in place focusing on accountability and addressing potential risks of bias and discrimination, increases citizens' safety and trust in those technologies;

Or. en

Amendment 168
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 16

Motion for a resolution	*Amendment*
16. Stresses that appropriate governance of the development, deployment and use of artificial intelligence, robotics and related technologies, including by having measures in place focusing on accountability and addressing potential risks of bias and discrimination, ***increases*** citizens' safety and trust in those technologies;	16. Stresses that appropriate governance of the development, deployment and use of artificial intelligence, robotics and related technologies, including by having measures in place focusing on accountability and addressing potential risks of bias and discrimination, ***can increase*** citizens' safety and trust in those technologies;

Or. en

Amendment 169
Emil Radev

Motion for a resolution
Paragraph 16

Motion for a resolution	*Amendment*
16. Stresses that appropriate governance of the development, deployment and use of artificial intelligence, robotics and related technologies, including by having measures in place focusing on accountability and addressing potential	16. Stresses that appropriate governance of the development, deployment and use of artificial intelligence, robotics and related technologies, including by having measures in place focusing on accountability and addressing potential

risks ***of bias and discrimination***, increases citizens' safety and trust in those technologies;	risks, increases citizens' safety and trust in those technologies;

Or. bg

Amendment 170
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Paragraph 16 a (new)

Motion for a resolution	*Amendment*
	16a. Considers that a common European framework for the governance of these technologies prepared by the European Commission or another relevant institution, body, office or agency of the Union (such as a European Agency for Artificial Intelligence, as called for below) designated for this task should be the basis for this governance in order to ensure a coherent European approach and prevent a fragmentation of the single market;

Or. en

Amendment 171
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 17

Motion for a resolution	*Amendment*
17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of and access to such data must be governed in accordance with the ***requirements of quality, integrity,***	17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of and access to such data must be governed in accordance with the ***law***;

security, privacy and control;

Or. en

Amendment 172
Ibán García Del Blanco

Motion for a resolution
Paragraph 17

Motion for a resolution	*Amendment*
17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of ***and*** access to such data must be governed in accordance with the requirements of quality, integrity, security, privacy and control;	17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of***,*** access to ***and use of*** such data must be governed in accordance with the requirements of quality, integrity, ***transparency,*** security, privacy and control;

Or. en

Amendment 173
Jiří Pospíšil

Motion for a resolution
Paragraph 17

Motion for a resolution	*Amendment*
17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of and access to such data must be governed in accordance with the requirements of quality, integrity, security, privacy and control;	17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of and access to such data must be governed in accordance with the requirements of quality, integrity, ***interoperability,*** security, privacy and control;

Or. cs

Amendment 174
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 17

Motion for a resolution	*Amendment*
17. Observes that data are used in large volumes in the development of artificial intelligence, robotics and related technologies and that the processing, sharing of and access to such data must be governed in accordance with the requirements of quality, integrity, security, privacy and control;	17. Observes that data are used in large volumes in the development of ***high-risk*** artificial intelligence, robotics and related technologies and that the processing, sharing of and access to such data must be governed in accordance with the requirements of quality, integrity, security, privacy and control;

Or. en

Amendment 175
Brando Benifei

Motion for a resolution
Paragraph 17 a (new)

Motion for a resolution	*Amendment*
	17a. Recalls that access to data is an essential component in the growth of the digital economy; points out in this regard that interoperability of data, by limiting lock-in effects, plays a key role in ensuring fair market conditions and promoting a level playing field in the Digital Single Market;

Or. en

Amendment 176
Esteban González Pons

Motion for a resolution
Paragraph 17 a (new)

Motion for a resolution	*Amendment*
	17a. Points out in this regard that, if they are to be dependable, artificial intelligence, robotics and their related technologies must be technically robust and accurate;

Or. es

Amendment 177
Daniel Buda

Motion for a resolution
Paragraph 18

Motion for a resolution	*Amendment*
18. Underlines the need to ensure that data belonging to vulnerable groups, such as people with disabilities, patients, children, minorities ***and*** migrants, are protected adequately;	18. Underlines the need to ensure that data belonging to vulnerable groups, such as people with disabilities, patients, children, minorities***,*** migrants ***and other groups at risk of exclusion***, are protected adequately;

Or. ro

Amendment 178
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 18

Motion for a resolution	*Amendment*
18. Underlines the need to ensure that data belonging to vulnerable groups, such as people with disabilities, patients, children, minorities and migrants***, are protected adequately***;	18. Underlines the need to ensure that ***personal data is protected adequately, especially*** data belonging to vulnerable groups, such as people with disabilities, patients, children, minorities and migrants;

Or. en

Amendment 179
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 18

Motion for a resolution	*Amendment*
18. Underlines the need to ensure that data ***belonging to*** vulnerable groups, such as people with disabilities, patients, children, minorities and migrants, are ***protected*** adequately;	18. Underlines the need to ensure that data ***on, or stemming from*** vulnerable groups, such as people with disabilities, patients, children, minorities and migrants, are adequately ***protected***;

Or. en

Amendment 180
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 18 a (new)

Motion for a resolution	*Amendment*
	18a. Highlights that such regulatory governance should also and specifically address the public sector, notably governments due to their unique position of power allowing them to employ algorithmic systems with major impact on citizens' lives and fundamental rights;

Or. en

Amendment 181
Liesje Schreinemacher

Motion for a resolution
Paragraph 18 a (new)

Motion for a resolution	*Amendment*
	18a. Considers that the use of artificial intelligence, robotics and related technologies by public authorities

requires specific attention because of its potential impact on fundamental rights protection;

Or. en

Amendment 182
Liesje Schreinemacher

Motion for a resolution
Paragraph 18 b (new)

Motion for a resolution	*Amendment*
	18b. Notes that the development, deployment and use of artificial intelligence, robotics and related technologies by public authorities are often outsourced to private parties; considers that this should not compromise the protection of public values and fundamental rights in any way; considers that public procurement terms and conditions should reflect the ethical standards imposed on public authorities;

Or. en

Amendment 183
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Subheading 10

Motion for a resolution	*Amendment*
National supervisory authorities	***Competent*** supervisory authorities

Or. en

Amendment 184
Ibán García Del Blanco

Motion for a resolution
Paragraph 19

Motion for a resolution	*Amendment*
19. Notes the added value of having national supervisory authorities in each Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;	19. Notes the added value of having national supervisory authorities in each Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies; ***as well as for harmonising and balancing potential tensions between rights and ethics principles through methods of accountable deliberation;***

Or. en

Amendment 185
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 19

Motion for a resolution	*Amendment*
19. Notes ***the added value of having national*** supervisory authorities in ***each*** Member ***State*** responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;	19. Notes ***that relevant or designated*** supervisory authorities in Member ***States*** responsible for ensuring, assessing and monitoring compliance with ***legal and*** ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies ***can contribute to the compliance of development and research in artificial intelligence, robotics and related technologies***;

Or. en

Amendment 186
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 19

Motion for a resolution	*Amendment*
19. Notes the added value of having national supervisory authorities in each Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;	19. Notes the added value of having national supervisory authorities in each Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies;

Or. en

Amendment 187
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 19

Motion for a resolution	*Amendment*
19. Notes the added value of having national supervisory ***authorities*** in each Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;	19. Notes the added value of having national supervisory ***systems*** in each Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;

Or. fr

Amendment 188
Jiří Pospíšil

Motion for a resolution
Paragraph 19

Motion for a resolution	*Amendment*
19. Notes the ***added value of having*** national supervisory authorities in each	19. Notes the ***possible role of*** national supervisory authorities in each Member

Member State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;	State responsible for ensuring, assessing and monitoring compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies;

Or. cs

Amendment 189
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Paragraph 19 a (new)

Motion for a resolution	*Amendment*
	19a. Notes that these authorities shall cooperate with the authorities responsible for implementing sectorial legislation in order to identify technologies which are high-risk from an ethical perspective and in order to supervise the implementation of required and appropriate measures where such technologies are identified;

Or. en

Amendment 190
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 19 a (new)

Motion for a resolution	*Amendment*
	19a. Calls for such authorities to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;

Or. en

Amendment 191
Esteban González Pons

Motion for a resolution
Paragraph 19 a (new)

Motion for a resolution	*Amendment*
	19a. Points out that in all circumstances Member States must avoid duplicating the tasks of national authorities in so far as this is possible;

Or. es

Amendment 192
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 20

Motion for a resolution	*Amendment*
20. Indicates that such ***authorities*** should liaise not only among themselves but also with the European Commission and other relevant institutions, bodies, offices and agencies of the Union in order to guarantee coherent cross-border action;	20. Indicates that such ***national supervisory systems*** should liaise not only among themselves but also with the European Commission and other relevant institutions, bodies, offices and agencies of the Union in order to guarantee coherent cross-border action;

Or. fr

Amendment 193
Jiří Pospíšil

Motion for a resolution
Paragraph 20

Motion for a resolution	*Amendment*
20. Indicates that such authorities ***should*** liaise not only among themselves	20. Indicates that such authorities ***may*** liaise not only among themselves but also

but also with the European Commission and other relevant institutions, bodies, offices and agencies of the Union in order to guarantee coherent cross-border action;	with the European Commission and other relevant institutions, bodies, offices and agencies of the Union in order to guarantee coherent cross-border action;

Or. cs

Amendment 194
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 20 a (new)

Motion for a resolution	*Amendment*
	20a. Suggests that, in the context of such a cooperation, common criteria and an application process be developed for the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;

Or. en

Amendment 195
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 21

Motion for a resolution	*Amendment*
21. Calls for such authorities to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;	***deleted***

Or. en

Amendment 196
Ibán García Del Blanco

Motion for a resolution
Paragraph 21

Motion for a resolution	*Amendment*
21. Calls for such authorities to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;	21. Calls for such authorities to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, ***and less digitally-mature companies,*** in particular small and medium-sized enterprises or start-ups; ***notably towards awareness-raising and support for development, deployment, training and talent acquisition to ensure efficient technology transfer and access to technologies, projects, results and networks;***

Or. en

Amendment 197
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 21

Motion for a resolution	*Amendment*
21. Calls for such authorities to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;	21. Calls for such authorities to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to ***relevant research and development, and*** concerned stakeholders, in particular small and medium-sized enterprises or start-ups;

Or. en

Amendment 198
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 21

Motion for a resolution	*Amendment*
21. Calls for such ***authorities*** to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;	21. Calls for such ***national supervisory systems*** to be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;

Or. fr

Amendment 199
Jiří Pospíšil

Motion for a resolution
Paragraph 21

Motion for a resolution	*Amendment*
21. ***Calls for*** such authorities ***to*** be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;	21. ***Considers that*** such authorities ***could*** be tasked with promoting regular exchanges with civil society and innovation within the Union by providing assistance to concerned stakeholders, in particular small and medium-sized enterprises or start-ups;

Or. cs

Amendment 200
Marion Walsmann

Motion for a resolution
Subheading 11

Motion for a resolution	*Amendment*
A European Agency for Artificial	***deleted***

Intelligence

Or. de

Amendment 201
Daniel Buda

Motion for a resolution
Subheading 11

Motion for a resolution	*Amendment*
A European Agency for Artificial Intelligence	***deleted***

Or. ro

Amendment 202
Raffaele Stancanelli

Motion for a resolution
Subheading 11

Motion for a resolution	*Amendment*
A European Agency for Artificial Intelligence	***deleted***

Or. it

Amendment 203
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Subheading 11

Motion for a resolution	*Amendment*
A European Agency for Artificial Intelligence	***deleted***

Or. en

Amendment 204
Marion Walsmann

Motion for a resolution
Paragraph 22

Motion for a resolution	*Amendment*
22. Recalls that Parliament's resolution of 16 February 2017 with recommendations to the Commission on Civil Law Rules on Robotics asked the Commission to consider the designation of a European Agency for Artificial Intelligence;	***deleted***

Or. de

Amendment 205
Raffaele Stancanelli

Motion for a resolution
Paragraph 22

Motion for a resolution	*Amendment*
22. Recalls that Parliament's resolution of 16 February 2017 with recommendations to the Commission on Civil Law Rules on Robotics asked the Commission to consider the designation of a European Agency for Artificial Intelligence;	***deleted***

Or. it

Amendment 206
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 22

Motion for a resolution	*Amendment*
22. Recalls that Parliament's resolution of 16 February 2017 with recommendations to the Commission on Civil Law Rules on Robotics asked the Commission to consider the designation of a European Agency for Artificial Intelligence;	***deleted***

Or. fr

Amendment 207
Daniel Buda

Motion for a resolution
Paragraph 22

Motion for a resolution	*Amendment*
22. Recalls that Parliament's resolution of 16 February 2017 with recommendations to the Commission on Civil Law Rules on Robotics asked the Commission to consider the designation of a European Agency for Artificial Intelligence;	***deleted***

Or. ro

Amendment 208
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 22

Motion for a resolution	*Amendment*
22. Recalls that Parliament's resolution of 16 February 2017 with recommendations to the Commission on Civil Law Rules on Robotics asked the Commission to consider the designation of a European Agency for Artificial	***deleted***

Intelligence;

Or. en

Amendment 209
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 22

Motion for a resolution	*Amendment*
22. Recalls that Parliament's resolution of 16 February 2017 with recommendations to the Commission on Civil Law Rules on Robotics asked the Commission to consider the designation of a European Agency for Artificial Intelligence;	***deleted***

Or. en

Amendment 210
Marion Walsmann

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section;	***deleted***

Or. de

Amendment 211
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section;	***deleted***

Or. fr

Amendment 212
Raffaele Stancanelli

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section;	***deleted***

Or. it

Amendment 213
Jiří Pospíšil

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates	***deleted***

and actions of each national supervisory authority as referred to in the previous sub-section;

Or. cs

Amendment 214
Daniel Buda

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section;	***deleted***

Or. ro

Amendment 215
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section;	***deleted***

Or. en

Amendment 216
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section;	23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and actions of each national supervisory authority as referred to in the previous sub-section ***and drafting a common framework for the governance of the development, deployment and use of artificial intelligence, robotics and related technologies***;

Or. en

Amendment 217
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to ***follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the mandates and*** actions of each national supervisory authority as referred to in the previous sub-section;	23. Calls on the Commission to ***coordinate the*** actions of each national supervisory authority as referred to in the previous sub-section;

Or. en

Amendment 218
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 23

Motion for a resolution	*Amendment*
23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the ***mandates and*** actions ***of each national*** supervisory ***authority as referred to*** in the ***previous sub-section***;	23. Calls on the Commission to follow-up on that request, especially in view of the added-value of having a body at Union level coordinating the actions***, and sharing best practice of the competent*** supervisory ***authorities, and of contributing to the collaboration of research and development*** in the ***field throughout the EU***;

Or. en

Amendment 219
Karen Melchior

Motion for a resolution
Paragraph 23 a (new)

Motion for a resolution	*Amendment*
	23a. Calls on the Commission to entrust an existing or new European Agency, or European body, with the task to ensure a harmonised implementation of the European ethical framework for high-risk artificial intelligence, robotics and related technologies;

Or. en

Amendment 220
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 23 a (new)

Motion for a resolution	*Amendment*
	23a. Calls on the Commission to assess whether a European body would be necessary to ensure a harmonised implementation of the European ethical

framework for high-risk artificial intelligence, robotics and related technologies;

Or. en

Amendment 221
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 23 b (new)

Motion for a resolution	*Amendment*
	23b. Calls on the Commission to explore entrusting an existing EU body, such as ENISA, EDPS, or the European Ombudsman, to ensure the harmonised implementation of the European ethical framework for high-risk artificial intelligence, robots and related technologies;

Or. en

Amendment 222
Karen Melchior

Motion for a resolution
Paragraph 23 b (new)

Motion for a resolution	*Amendment*
	23b. Calls on the Commission to explore entrusting a new or an existing EU body, such as ENISA, EDPS, or the European Ombudsman, to ensure the harmonised implementation of the European ethical framework for high-risk artificial intelligence, robots and related technologies;

Or. en

Amendment 223
Marion Walsmann

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body, as well as the certification referred to in the following paragraph, would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;	***deleted***

Or. de

Amendment 224
Daniel Buda

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body, as well as the certification referred to in the following paragraph, would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;	***deleted***

Or. ro

Amendment 225
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body, as well as the certification referred to in the following paragraph, would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;	***deleted***

Or. fr

Amendment 226
Raffaele Stancanelli

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body, as well as the certification referred to in the following paragraph, would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;	***deleted***

Or. it

Amendment 227
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body, as well as the certification referred to in the following paragraph, would not only benefit the development of Union industry	***deleted***

and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;

Or. en

Amendment 228
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body***, as well as the certification referred to in the following paragraph,*** would not only benefit the development of Union industry and innovation in that context but also increase the awareness of ***our*** citizens regarding the opportunities and risks inherent to ***these technologies***;	24. Believes that such a body would not only benefit the development of Union industry and innovation in that context but also increase the awareness of citizens regarding the opportunities and risks inherent to ***technology***;

Or. en

Amendment 229
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body***, as well as the certification referred to in the following paragraph,*** would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;	24. Believes that such a body would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;

Or. en

Amendment 230
Ibán García Del Blanco

Motion for a resolution
Paragraph 24

Motion for a resolution	*Amendment*
24. Believes that such a body, as well as the certification referred to in the following paragraph, would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;	24. Believes that such a body, as well as the ***European*** certification referred to in the following paragraph, would not only benefit the development of Union industry and innovation in that context but also increase the awareness of our citizens regarding the opportunities and risks inherent to these technologies;

Or. en

Amendment 231
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 24 a (new)

Motion for a resolution	*Amendment*
	24a. Suggests to create a centre of expertise, bringing together academia, research, industry, and individual experts at Union level, either as an integral part of or associated with such Agency, to foster exchange of knowledge and technical expertise, and to facilitate collaboration throughout the EU and beyond;

Or. en

Amendment 232
Marion Walsmann

Motion for a resolution
Subheading 12

Motion for a resolution	*Amendment*
European certification of ethical compliance	***deleted***

Or. de

Amendment 233
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Subheading 12

Motion for a resolution	*Amendment*
European certification of ethical compliance	***deleted***

Or. en

Amendment 234
Marion Walsmann

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests that the European Agency for Artificial Intelligence develops common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;	***deleted***

Or. de

Amendment 235
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests that the European Agency for Artificial Intelligence develops common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;	***deleted***

Or. en

Amendment 236
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. ***Suggests that the*** European ***Agency for*** Artificial Intelligence ***develops common criteria and an application process relating to the granting of a*** European ***certificate of*** ethical ***compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;***	25. ***Calls on the Commission to explore the possibility to develop a*** European ***certification of ethical compliance, to be granted at the request of developers of*** artificial intelligence***, robotics and related technologies, which comply with the*** European ethical ***framework;***

Or. en

Amendment 237
Raffaele Stancanelli

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests that the European ***Agency for Artificial Intelligence develops*** common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;	25. Suggests that the ***Commission, together with the national supervisory authorities, develop*** common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;

Or. it

Amendment 238
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests ***that*** the ***European Agency for Artificial Intelligence develops common criteria*** and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory ***authority***;	25. Suggests the ***creation of a European certificate of compliance*** and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory ***system***;

Or. fr

Amendment 239
Jiří Pospíšil

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests ***that the European Agency for Artificial Intelligence develops common criteria and an application process relating to*** the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;	25. Suggests ***the development of common criteria and procedures governing*** the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;

Or. cs

Amendment 240
Daniel Buda

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests that ***the European Agency for Artificial Intelligence develops*** common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective national supervisory authority;	25. Suggests that ***action be taken within the European Commission to develop*** common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify ***at national level*** the positive assessment of compliance carried out by the respective national supervisory authority;

Or. ro

Amendment 241
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 25

Motion for a resolution	*Amendment*
25. Suggests that the European Agency for Artificial Intelligence develops common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective ***national*** supervisory authority;	25. Suggests that the European Agency for Artificial Intelligence develops common criteria and an application process relating to the granting of a European certificate of ethical compliance following a request by any developer, deployer or user seeking to certify the positive assessment of compliance carried out by the respective ***competent*** supervisory authority;

Or. en

Amendment 242
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution	*Amendment*
	25a. Believes that such European certificate of ethical compliance would foster ethics by design throughout the supply chain of AI ecosystems;

Or. en

Amendment 243
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 25 b (new)

Motion for a resolution	*Amendment*
	25b. Recommends the certification to be a mandatory prerequisite to the eligibility for public procurement procedures on artificial intelligence and automated decision making systems in the Union;

Or. en

Amendment 244
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 25 c (new)

Motion for a resolution	*Amendment*
	25c. Proposes that the European Agency for Artificial Intelligence coordinate the determination of breaches of the principles of non-discrimination by the competent supervisory authorities, in cooperation with other competent authorities in the Union, notably the Consumer Protection Cooperation Network, national consumer protection bodies and civil society, and facilitate means for individuals to meaningfully contest and remedy harm caused by such discrimination, and other infringement of fundamental rights by artificial intelligence and automated decision making systems, whether stemming from public or private sector actors;

Or. en

Amendment 245
Daniel Buda

Motion for a resolution
Paragraph 26

Motion for a resolution	*Amendment*
26. Stresses that the Union's ethical principles for the development, deployment and use of these technologies should be promoted worldwide by cooperating with international partners and liaising with third countries with different development and deployment models.	26. Stresses that the Union's ethical principles for the development, deployment and use of these technologies ***could make Europe a world leader in the IA sector and*** should ***therefore*** be promoted worldwide by cooperating with international partners and liaising with

	third countries with different development and deployment models.

Or. ro

Amendment 246
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 26

Motion for a resolution	*Amendment*
26. Stresses that the Union's ethical principles for the development, deployment and use of these technologies should be promoted worldwide by cooperating with international partners and ***liaising*** with third countries ***with different*** development and deployment ***models***.	26. Stresses that the Union's ***legal and*** ethical principles for the development, deployment and use of these technologies should be promoted worldwide by cooperating with international partners and ***continuing the critical and ethics-based dialogue*** with third countries ***implementing alternative models of AI regulation,*** development and deployment.

Or. en

Amendment 247
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 26

Motion for a resolution	*Amendment*
26. Stresses that the Union's ethical principles for the development, deployment and use of these technologies should be promoted worldwide by cooperating with international partners and liaising with third countries with different development and deployment models.	26. Stresses that the Union's ethical principles for the development, deployment and use of these ***high-risk*** technologies should be promoted worldwide by cooperating with international partners and liaising with third countries with different development and deployment models.

Or. en

Amendment 248
Liesje Schreinemacher

Motion for a resolution
Paragraph 27

Motion for a resolution	*Amendment*
27. Recalls that the opportunities and risks inherent to these technologies have a global dimension ***that requires a consistent approach at international level and thus*** calls on the Commission to ***work in*** bilateral and multilateral ***settings to advocate and*** ensure ethical compliance	27. Recalls that the opportunities and risks inherent to these technologies have a global dimension***, as the software and data used for these systems are frequently imported in and exported out of the European Union;*** calls on the Commission to ***take the initiative to investigate which*** bilateral and multilateral ***treaties and agreements should be adjusted to*** ensure ***a consistent approach and promote*** ethical compliance ***globally;***

Or. en

Amendment 249
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 27

Motion for a resolution	*Amendment*
27. Recalls that the opportunities and risks inherent to these technologies have a global dimension that requires a consistent approach at international level and thus calls on the Commission to work in bilateral and multilateral settings to advocate and ***ensure*** ethical compliance.	27. Recalls that the opportunities and risks inherent to these technologies have a global dimension that requires a consistent approach at international level and thus calls on the Commission to work in bilateral and multilateral settings to advocate and ***promote the European model of*** ethical compliance.

Or. en

Amendment 250
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 27

Motion for a resolution	*Amendment*
27. Recalls that the opportunities and risks inherent to these technologies have a global dimension that requires ***a consistent approach at*** international ***level*** and thus calls on the Commission to work in bilateral and multilateral settings to advocate and ensure ethical compliance.	27. Recalls that the opportunities and risks inherent to these technologies have a global dimension that requires international ***cooperation*** and thus calls on the Commission to work in bilateral and multilateral settings to advocate and ensure ethical compliance.

Or. en

Amendment 251
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 28

Motion for a resolution	*Amendment*
28. Points out the added-value of a European Agency as referred to above in this context as well.	***deleted***

Or. fr

Amendment 252
Marion Walsmann

Motion for a resolution
Paragraph 28

Motion for a resolution	*Amendment*
28. Points out the added-value of a European Agency as referred to above in this context as well.	***deleted***

Or. de

Amendment 253
Daniel Buda

Motion for a resolution
Paragraph 28

Motion for a resolution	*Amendment*
28. Points out the added-value of a European Agency as referred to above in this context as well.	***deleted***

Or. ro

Amendment 254
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 28

Motion for a resolution	*Amendment*
28. Points out the added-value of a European Agency as referred to above in this context as well.	***deleted***

Or. en

Amendment 255
Jiří Pospíšil

Motion for a resolution
Paragraph 28

Motion for a resolution	*Amendment*
28. Points out the added-value of a European Agency as referred to above in this context as well.	***deleted***

Or. cs

Amendment 256
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 28

Motion for a resolution	*Amendment*
28. Points out the added-value of a European ***Agency*** as referred to above in this context as well.	28. Points out the added-value of a European ***regulatory framework for high-risk artificial intelligence, robotics and related technologies*** as referred to above in this context as well.

Or. en

Amendment 257
Jiří Pospíšil

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles ***resulting in a legal framework at Union level supervised by national competent authorities, coordinated and enhanced by a European Agency for Artificial Intelligence and duly respected and certified within the internal market***;	29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles ***while making maximum use of the existing legal framework***;

Or. cs

Amendment 258
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level ***supervised by national competent authorities, coordinated and enhanced by a European Agency for Artificial Intelligence and duly respected and certified within the internal market***;	29. Concludes, following the above reflections on aspects related to the ethical dimension of ***high-risk*** artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level;

Or. en

Amendment 259
Marion Walsmann

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent authorities, ***coordinated and enhanced by a European Agency for Artificial Intelligence*** and duly respected ***and certified*** within the internal market;	29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent authorities, and duly respected within the internal market;

Or. de

Amendment 260
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical ***dimension*** of artificial intelligence, robotics and related technologies, that the ethical dimension should be ***framed as a series of principles resulting*** in a legal framework at Union level ***supervised by national*** competent authorities, coordinated and enhanced by ***a*** European Agency for Artificial Intelligence and duly respected and certified within the internal market;	29. Concludes, following the above reflections on aspects related to the ***legal and*** ethical ***dimensions*** of artificial intelligence, robotics and related technologies, that the ethical dimension should be ***enshrined*** in a legal framework at Union level***, supported by*** competent ***supervisory*** authorities, coordinated and enhanced by ***the aforementioned*** European Agency for Artificial Intelligence***, regularly evaluated by the aforementioned centre of expertise*** and duly respected and certified within the internal market;

Or. en

Amendment 261
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent authorities, ***coordinated and enhanced by a European Agency for Artificial Intelligence*** and duly respected and certified within the internal market;	29. Concludes, following the above reflections on aspects related to the ***high-risk*** ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent authorities, and duly respected and certified within the internal market;

Or. en

Amendment 262
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent ***authorities***, coordinated ***and enhanced*** by ***a*** European ***Agency for Artificial Intelligence*** and duly respected and certified within the internal market;	29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent ***systems***, coordinated by ***the*** European ***Commission*** and duly respected and certified within the internal market;

Or. fr

Amendment 263
Daniel Buda

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level ***supervised by national competent authorities***, ***coordinated and enhanced by a European Agency for Artificial Intelligence and duly respected and certified within the internal market***;	29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in ***an effective, forward looking and comprehensive*** legal framework at Union level***, reflecting the standards and values enshrined in the treaties and in the Charter of Fundamental Rights and affording protection, trust and legal safety to members of the public and economic operators***;

Or. ro

Amendment 264
Raffaele Stancanelli

Motion for a resolution
Paragraph 29

Motion for a resolution	*Amendment*
29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent authorities, coordinated and enhanced by ***a European Agency for Artificial Intelligence*** and duly respected and certified within the internal market;	29. Concludes, following the above reflections on aspects related to the ethical dimension of artificial intelligence, robotics and related technologies, that the ethical dimension should be framed as a series of principles resulting in a legal framework at Union level supervised by national competent authorities, coordinated and enhanced by ***the Commission*** and duly respected and certified within the internal market;

Or. it

Amendment 265
Marion Walsmann

Motion for a resolution
Paragraph 30

Motion for a resolution	*Amendment*
30. Following the procedure of Article 225 of the Treaty on the Functioning of the European Union, requests the Commission to submit a proposal for a Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies on the basis of Article 114 of the Treaty on the Functioning of the European Union and following the detailed recommendations set out in the annex hereto;	30. Following the procedure of Article 225 of the Treaty on the Functioning of the European Union, requests the Commission to submit a proposal for a Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies on the basis of Article 114 of the Treaty on the Functioning of the European Union and following the detailed recommendations set out in the annex hereto***, and the proposal should not undermine sector-specific legislation, but only cover the legal loopholes***;

Or. de

Amendment 266
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Paragraph 30

Motion for a resolution	*Amendment*
30. Following the procedure of Article 225 of the Treaty on the Functioning of the European Union, requests the Commission to submit a proposal for a Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies on the basis of Article 114 of the Treaty on the Functioning of the European Union and following the detailed recommendations set out in the annex hereto;	30. Following the procedure of Article 225 of the Treaty on the Functioning of the European Union, requests the Commission to submit a proposal for a Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies on the basis of Article 114 of the Treaty on the Functioning of the European Union and following the detailed recommendations set out in ***this report and*** the annex hereto;

Or. en

Amendment 267
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 30

Motion for a resolution	*Amendment*
30. Following the procedure of Article 225 of the Treaty on the Functioning of the European Union, requests the Commission to submit a proposal for a Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies on the basis of Article 114 of the Treaty on the Functioning of the European Union and following the detailed recommendations set out in the annex hereto;	30. Following the procedure of Article 225 of the Treaty on the Functioning of the European Union, requests the Commission to submit a proposal for a Regulation on ethical principles for the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies on the basis of Article 114 of the Treaty on the Functioning of the European Union and following the detailed recommendations set out in the annex hereto;

Or. en

Amendment 268
Marion Walsmann

Motion for a resolution
Paragraph 31

Motion for a resolution	*Amendment*
31. Recommends that the European Commission review existing Union law applicable to artificial intelligence, robotics and related technologies in order to address the rapidity of their development in line with the recommendations set out in the annex hereto;	31. Recommends that the European Commission review existing Union law applicable to artificial intelligence, robotics and related technologies in order to address the rapidity of their development in line with the recommendations set out in the annex hereto***, avoiding both over-regulation and administrative burdens, especially for SMEs***;

Or. de

Amendment 269
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 31

Motion for a resolution	*Amendment*
31. Recommends that the European Commission review existing Union law applicable to artificial intelligence, robotics and related technologies in order to address the rapidity of their development in line with the recommendations set out in the annex hereto;	31. Recommends that the European Commission***, after consulting with all the relevant stakeholders,*** review existing Union law applicable to ***high-risk*** artificial intelligence, robotics and related technologies in order to ***review it when necessary and*** address the rapidity of their development in line with the recommendations set out in the annex hereto;

Or. en

Amendment 270
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 31 a (new)

Motion for a resolution	*Amendment*
	31a. Believes that a periodical assessment of the European regulatory framework related to artificial intelligence, robotics and related technologies will be essential to ensure that the applicable legislation is up to date with the rapidly growing technological progress;

Or. en

Amendment 271
Marion Walsmann

Motion for a resolution
Paragraph 32

Motion for a resolution	*Amendment*
32. Considers that the requested proposal would have financial implications if a new European Agency for Artificial Intelligence is set up;	***deleted***

Or. de

Amendment 272
Gilles Lebreton, Jean-Paul Garraud, Gunnar Beck, Luisa Regimenti

Motion for a resolution
Paragraph 32

Motion for a resolution	*Amendment*
32. Considers that the requested proposal would have financial implications if a new European Agency	***deleted***

for Artificial Intelligence is set up;

Or. fr

Amendment 273
Raffaele Stancanelli

Motion for a resolution
Paragraph 32

Motion for a resolution	*Amendment*
32. Considers that the requested proposal would have financial implications if a new European Agency for Artificial Intelligence is set up;	***deleted***

Or. it

Amendment 274
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Paragraph 32

Motion for a resolution	*Amendment*
32. Considers that the requested proposal would have financial implications if ***a new*** European ***Agency for Artificial Intelligence is set up***;	32. Considers that the requested proposal would have financial implications if ***an existing*** European ***body is entrusted with the above-mentioned functions in order to ensure the necessary technical means and human resources to fulfil its newly attributed tasks***;

Or. en

Amendment 275
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Paragraph 32

Motion for a resolution	*Amendment*
32. Considers that the requested proposal ***would*** have financial implications ***if a new European Agency for Artificial Intelligence is set up***;	32. Considers that the requested proposal ***does not*** have financial implications;

Or. en

Amendment 276
Stéphane Séjourné, Liesje Schreinemacher, Karen Melchior, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point I – indent 1

Motion for a resolution	*Amendment*
- to build trust in artificial intelligence, robotics and related technologies by ensuring that these technologies will be ***developed, deployed and used*** in an ethical manner;	- to build trust in artificial intelligence, robotics and related technologies by ensuring that ***when*** these technologies ***entail a high-risk for the protection of safety and fundamental rights and freedoms their development, deployment and use*** will be ***done*** in an ethical manner;

Or. en

Amendment 277
Emil Radev

Motion for a resolution
Annex I – part A – point I – indent 1

Motion for a resolution	*Amendment*
- to build trust in artificial intelligence, robotics and related technologies by ensuring that these technologies will be developed, deployed and used in ***an ethical manner***;	- to build trust in artificial intelligence, robotics and related technologies by ensuring that these technologies will be developed, deployed and used in ***full compliance with the EU's ethical principles in the field of artificial intelligence***;

Or. bg

Amendment 278
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point I – indent 1

Motion for a resolution	*Amendment*
- to build trust in ***artificial intelligence, robotics and related*** technologies by ensuring that these technologies will be developed, deployed and used in an ethical manner;	- to build trust in ***intelligent and autonomous*** technologies by ensuring that these technologies will be developed, deployed and used in an ethical manner ***at all levels of involved stakeholders and of society***;

Or. en

Amendment 279
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point I – indent 1

Motion for a resolution	*Amendment*
- to build trust in artificial intelligence, robotics and related technologies by ensuring that these technologies will be developed, deployed and used in an ethical manner;	- to build trust in ***high-risk*** artificial intelligence, robotics and related technologies by ensuring that these technologies will be developed, deployed and used in an ethical manner;

Or. en

Amendment 280
Daniel Buda

Motion for a resolution
Annex I – part A – point I – indent 1 a (new)

Motion for a resolution	*Amendment*
	- to ensure the balance between public protection on the one hand and business incentives to invest in innovation, especially AI systems, on the other;

Or. ro

Amendment 281
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point I – indent 2

Motion for a resolution	*Amendment*
- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses and start-ups to assess and address regulatory requirements and risks during the development process;	- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses and start-ups to assess and address ***with certainty current and future*** regulatory requirements and risks during the ***innovation and business*** development process***, and during the subsequent phase of use by professionals and private individuals***;

Or. en

Amendment 282
Marion Walsmann

Motion for a resolution
Annex I – part A – point I – indent 2

Motion for a resolution	*Amendment*
- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses and ***start-ups*** to assess and address regulatory requirements and	- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses***, start-ups*** and ***SMEs*** to assess and address regulatory requirements

risks during the development process;	and risks during the development process***, especially by minimising burdens and red tape***;

Or. de

Amendment 283
Daniel Buda

Motion for a resolution
Annex I – part A – point I – indent 2

Motion for a resolution	*Amendment*
- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses and start-ups to assess and address regulatory requirements and risks during the development process;	- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses, ***small and medium-sized enterprises*** and start-ups to assess and address regulatory requirements and risks during the development process;

Or. ro

Amendment 284
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point I – indent 2

Motion for a resolution	*Amendment*
- to support the development of artificial intelligence, robotics and related technologies in the Union, including by helping businesses and start-ups to assess and address regulatory requirements and risks during the development process;	- to support the development of ***high-risk*** artificial intelligence, robotics and related technologies in the Union, including by helping businesses and start-ups to assess and address regulatory requirements and risks during the development process;

Or. en

Amendment 285
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point I – indent 3

Motion for a resolution	*Amendment*
- to support deployment of artificial intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework;	- to support deployment of artificial intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework***, in the aim of encouraging regulatory certainty and innovation while guaranteeing fundamental rights and consumer protection***;

Or. en

Amendment 286
Marion Walsmann

Motion for a resolution
Annex I – part A – point I – indent 3

Motion for a resolution	*Amendment*
- to support deployment of artificial intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework;	- to support deployment of artificial intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework ***which should apply as a complement to existing sector-specific legislation;***

Or. de

Amendment 287
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point I – indent 3

Motion for a resolution	*Amendment*
- to support deployment of artificial	- to support deployment of artificial

intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework;	intelligence, robotics and related technologies in the Union by providing the appropriate ***and proportionate*** regulatory framework;

Or. en

Amendment 288
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point I – indent 3

Motion for a resolution	*Amendment*
- to support deployment of artificial intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework;	- to support deployment of ***high-risk*** artificial intelligence, robotics and related technologies in the Union by providing the appropriate regulatory framework;

Or. en

Amendment 289
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point I – indent 4

Motion for a resolution	*Amendment*
- to support use of artificial intelligence, robotics and related technologies in the Union by ensuring that they are developed, deployed and used in an ethical manner;	***deleted***

Or. en

Amendment 290
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point I – indent 4

Motion for a resolution	*Amendment*
- to support use of artificial intelligence, robotics and related technologies in the Union by ensuring that they are developed, deployed and used in an ethical manner;	- to support use of ***high-risk*** artificial intelligence, robotics and related technologies in the Union by ensuring that they are developed, deployed and used in an ethical manner;

Or. en

Amendment 291
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point I – indent 5

Motion for a resolution	*Amendment*
- to require better information flows among citizens and within organisations developing, deploying or using artificial intelligence, robotics and related technologies as a means of ensuring that these technologies are compliant with the ethical principles of the proposed Regulation.	- to require ***transparency and*** better information flows among citizens and within organisations developing, deploying or using artificial intelligence, robotics and related technologies as a means of ensuring that these technologies are compliant with ***Union law, human rights and values, and with*** the ethical principles of the proposed Regulation.

Or. en

Amendment 292
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point I – indent 5

Motion for a resolution	*Amendment*
- to require better information flows among citizens and within organisations developing, deploying or using artificial intelligence, robotics and related technologies as a means of ensuring that these technologies are compliant with the	- to require better information flows among citizens and within organisations developing, deploying or using ***high-risk*** artificial intelligence, robotics and related technologies as a means of ensuring that these technologies are compliant with the

ethical principles of the proposed Regulation.	ethical principles of the proposed Regulation.

Or. en

Amendment 293
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point II – indent 1

Motion for a resolution	*Amendment*
- a "Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies";	- a "Regulation on ethical principles for the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies";

Or. en

Amendment 294
Marion Walsmann

Motion for a resolution
Annex I – part A – point II – indent 2

Motion for a resolution	*Amendment*
- a European Agency for Artificial Intelligence and a European certification of ethical compliance;	***deleted***

Or. de

Amendment 295
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point II – indent 2

Motion for a resolution	*Amendment*
- a European Agency for Artificial	***deleted***

Intelligence and a European certification of ethical compliance;

Or. en

Amendment 296
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point II – indent 2

Motion for a resolution	*Amendment*
- a European Agency for Artificial Intelligence and a European certification of ethical compliance;	***deleted***

Or. en

Amendment 297
Daniel Buda

Motion for a resolution
Annex I – part A – point II – indent 2

Motion for a resolution	*Amendment*
- ***a European Agency for Artificial Intelligence and*** a European certification of ethical compliance;	- a European certification of ethical compliance;

Or. ro

Amendment 298
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point II – indent 4

Motion for a resolution	*Amendment*
- the work carried out by the ***"***Supervisory ***Authority" in each*** Member	- the work carried out by the ***competent*** supervisory ***authorities in the***

State to ensure that ethical principles are applied to artificial intelligence, robotics and related technologies;	Member ***States*** to ensure that ethical principles are applied to artificial intelligence, robotics and related technologies;

Or. en

Amendment 299
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point II – indent 4

Motion for a resolution	*Amendment*
- the work carried out by the "Supervisory Authority" in each Member State to ensure that ethical principles are applied to artificial intelligence, robotics and related technologies;	- the work carried out by the "Supervisory Authority" in each Member State to ensure that ethical principles are applied to ***high-risk*** artificial intelligence, robotics and related technologies;

Or. en

Amendment 300
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point II – indent 5

Motion for a resolution	*Amendment*
- the involvement and consultation of, as well as provision of support to, stakeholders, including start-ups, businesses, social partners, and other representatives of the civic society.	- the involvement and consultation of, as well as provision of support to, ***relevant research and development, and concerned*** stakeholders, including start-ups, businesses, social partners, and other representatives of the civic society.

Or. en

Amendment 301
Daniel Buda

Motion for a resolution
Annex I – part A – point II – indent 5

Motion for a resolution	*Amendment*
- the involvement and consultation of, as well as provision of support to, stakeholders, including start-ups, businesses, social partners, and other representatives of the civic society.	- the involvement and consultation of, as well as provision of support to, stakeholders, including start-ups, ***small and medium-sized enterprises,*** businesses, social partners, and other representatives of the civic society.

Or. ro

Amendment 302
Stéphane Séjourné, Liesje Schreinemacher, Karen Melchior, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point II – indent 5 a (new)

Motion for a resolution	*Amendment*
	- annex establishing a list of high-risk technologies which fall under the scope of this Regulation;

Or. en

Amendment 303
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point III – introductory part

Motion for a resolution	*Amendment*
III. The "Regulation on ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies" builds on the following principles:	III. The "Regulation on ethical principles for the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies" builds on the following principles:

Or. en

Amendment 304
Emil Radev

Motion for a resolution
Annex I – part A – point III – indent 1

Motion for a resolution	*Amendment*
- human-centric ***and*** human-made artificial intelligence, robotics and related technologies;	- Human-centric***,*** human-made ***and human-controlled*** artificial intelligence, robotics and related technologies;

Or. bg

Amendment 305
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point III – indent 1

Motion for a resolution	*Amendment*
- human-centric ***and human-made*** artificial intelligence, robotics and related technologies;	- human-centric artificial intelligence, robotics and related technologies;

Or. en

Amendment 306
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point III – indent 2

Motion for a resolution	*Amendment*
- ***risk*** assessment of artificial intelligence, robotics and related technologies;	- ***compliance*** assessment of ***high-risk*** artificial intelligence, robotics and related technologies;

Or. en

Amendment 307
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point III – indent 3

Motion for a resolution	*Amendment*
- safety features, transparency ***and*** accountability;	- safety features, transparency**,** accountability**, *and accessibility***;

Or. en

Amendment 308
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point III – indent 4

Motion for a resolution	*Amendment*
- safeguards against bias and discrimination;	- safeguards ***and remedies*** against bias and discrimination;

Or. en

Amendment 309
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point III – indent 4

Motion for a resolution	*Amendment*
- safeguards against bias and discrimination;	- safeguards against ***unfair*** bias and discrimination;

Or. en

Amendment 310
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point III – indent 4 a (new)

Motion for a resolution	*Amendment*
	- right to redress;

Or. en

Amendment 311
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point III – indent 5

Motion for a resolution	*Amendment*
- social responsibility and gender ***balance*** in artificial intelligence, robotics and related technologies;	- social responsibility and gender ***equality*** in artificial intelligence, robotics and related technologies;

Or. en

Amendment 312
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point III – indent 6

Motion for a resolution	*Amendment*
- environmentally ***friendly and*** sustainable artificial intelligence, robotics and related technologies;	- environmentally sustainable artificial intelligence, robotics and related technologies;

Or. en

Amendment 313
Sergey Lagodinsky, Alexandra Geese, Patrick Breyer

Motion for a resolution
Annex I – part A – point III – indent 7

Motion for a resolution	*Amendment*
- respect for privacy and limitations to the use of biometric recognition;	- respect for ***fundamental rights, including*** privacy and limitations to the use of biometric recognition;

Or. en

Amendment 314
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point III – indent 7 a (new)

Motion for a resolution	*Amendment*
	- safeguards related to the use of high-risk artificial intelligence, robotics and related technologies within the framework of public power decisions;

Or. en

Amendment 315
Daniel Buda

Motion for a resolution
Annex I – part A – point IV – introductory part

Motion for a resolution	*Amendment*
IV. The key elements of the Commission's task as regards compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies are:	IV. The key elements of the Commission's task as regards compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies are: ***- to issue guidance as regards the application of the proposed regulation;*** ***- to develop a European certificate of compliance with ethical principles;*** ***- to support regular exchanges with concerned stakeholders and the civil***

society.

Or. ro

Amendment 316
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point IV – introductory part

Motion for a resolution	*Amendment*
IV. The key elements of the Commission's task as regards compliance with ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies are:	IV. The key elements of the Commission's task as regards compliance with ***legal and*** ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies are:

Or. en

Amendment 317
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point IV – indent 1 a (new)

Motion for a resolution	*Amendment*
	- to issue guidance as regards the application of the proposed Regulation in order to ensure its consistent application, namely regarding the application of the criteria for artificial intelligence, robotics and related technologies to be considered high-risk;

Or. en

Amendment 318
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point IV – indent 1 a (new)

Motion for a resolution	*Amendment*
	- regularly assessing and if necessary, reviewing the annex of the Regulation by means of a delegated act

Or. en

Amendment 319
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point IV – indent 1 b (new)

Motion for a resolution	*Amendment*
	- to liaise with the "Supervisory Authority" in each Member State;

Or. en

Amendment 320
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point IV – indent 2

Motion for a resolution	*Amendment*
- raising awareness, providing information and engaging in exchanges with developers, deployers ***and*** users throughout the Union.	- raising awareness, providing information***, education, training*** and engaging in exchanges with ***designers,*** developers, deployers***, citizens,*** users ***and institutional bodies*** throughout the Union ***and internationally***.

Or. en

Amendment 321
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point IV – indent 2 a (new)

Motion for a resolution	*Amendment*
	- engaging discussions on global ethical norms at international level;

Or. en

Amendment 322
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point IV – indent 2 b (new)

Motion for a resolution	*Amendment*
	- establishing binding guidelines on the methodology of the compliance assessment to be followed by the national supervisory authorities;

Or. en

Amendment 323
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point IV – indent 2 c (new)

Motion for a resolution	*Amendment*
	- establishing non-binding guidelines directed to the developers, the deployers and the users;

Or. en

Amendment 324
Marion Walsmann

Motion for a resolution
Annex I – part A – point V

Motion for a resolution	*Amendment*
V. The European Agency for Artificial Intelligence should be established following a detailed proposal from the Commission, which should include the following main tasks:	***deleted***
- to supervise the application of the proposed Regulation;	
- to issue guidance as regards the application of the proposed Regulation;	
- to liaise with the "Supervisory Authority" in each Member State and coordinate their mandate and tasks;	
- to develop a European certificate of compliance with ethical principles;	
- to support regular exchanges with concerned stakeholders and the civil society.	

Or. de

Amendment 325
Daniel Buda

Motion for a resolution
Annex I – part A – point V

Motion for a resolution	*Amendment*
V. The European Agency for Artificial Intelligence should be established following a detailed proposal from the Commission, which should include the following main tasks:	***deleted***
- to supervise the application of the proposed Regulation;	
- to issue guidance as regards the application of the proposed Regulation;	
- to liaise with the "Supervisory	

Authority" in each Member State and coordinate their mandate and tasks;

- to develop a European certificate of compliance with ethical principles;

- to support regular exchanges with concerned stakeholders and the civil society.

Or. ro

Amendment 326
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point V

Motion for a resolution	*Amendment*
V. The European Agency for Artificial Intelligence should be established following a detailed proposal from the Commission, which should include the following main tasks:	***deleted***
- to supervise the application of the proposed Regulation;	
- to issue guidance as regards the application of the proposed Regulation;	
- to liaise with the "Supervisory Authority" in each Member State and coordinate their mandate and tasks;	
- to develop a European certificate of compliance with ethical principles;	
- to support regular exchanges with concerned stakeholders and the civil society.	

Or. en

Amendment 327
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point V

Motion for a resolution	*Amendment*
V. The European Agency for Artificial Intelligence should be established following a detailed proposal from the Commission, which should include the following main tasks:	***deleted***
- to supervise the application of the proposed Regulation;	
- to issue guidance as regards the application of the proposed Regulation;	
- to liaise with the "Supervisory Authority" in each Member State and coordinate their mandate and tasks;	
- to develop a European certificate of compliance with ethical principles;	
- to support regular exchanges with concerned stakeholders and the civil society.	

Or. en

Amendment 328
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point V – indent 1

Motion for a resolution	*Amendment*
- to supervise the application of the proposed Regulation;	***deleted***

Or. en

Amendment 329
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 1

Motion for a resolution	*Amendment*
- to supervise the application of ***the proposed Regulation***;	- to supervise the application of ***relevant Union law***;

Or. en

Amendment 330
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point V – indent 2

Motion for a resolution	*Amendment*
- to issue guidance as regards the application of the proposed Regulation;	***deleted***

Or. en

Amendment 331
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 2

Motion for a resolution	*Amendment*
- to issue guidance as regards the application of ***the proposed Regulation***;	- to issue guidance as regards the application of ***relevant Union law***;

Or. en

Amendment 332
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point V – indent 3

Motion for a resolution	*Amendment*
- to liaise with the "Supervisory	***deleted***

Authority" in each Member State and coordinate their mandate and tasks;

Or. en

Amendment 333
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 3

Motion for a resolution	*Amendment*
- to liaise with the **"**Supervisory ***Authority" in each Member State and*** coordinate their ***mandate and tasks***;	- to liaise with the ***Member States and concerned competent*** supervisory ***authorities,*** coordinate their ***contributions and collaboration***;

Or. en

Amendment 334
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Annex I – part A – point V – indent 3 a (new)

Motion for a resolution	*Amendment*
	- to draft a common framework for the governance of the development, deployment and use of artificial intelligence, robotics and related technologies to be implemented by the national supervisory authorities;

Or. en

Amendment 335
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point V – indent 4

Motion for a resolution	*Amendment*
- to develop a European certificate of compliance with ethical principles;	***deleted***

Or. en

Amendment 336
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 4

Motion for a resolution	*Amendment*
- to develop a European certificate of compliance with ethical principles;	- to develop a European certificate of compliance with ***legal and*** ethical principles ***with specific requirements for artificial intelligence, robotics and related technologies targeting children, young adults or other vulnerable persons***;

Or. en

Amendment 337
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point V – indent 5

Motion for a resolution	*Amendment*
- to support regular exchanges with concerned stakeholders and the civil society.	***deleted***

Or. en

Amendment 338
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 5

Motion for a resolution	*Amendment*
- to support regular exchanges with concerned stakeholders and the civil society.	- to support ***cross-sector and cross-border co-operation through*** regular exchanges***, in the form of a structured dialogue,*** with concerned stakeholders and the civil society***, in the EU and in the world, notably with social partners, researchers and competent authorities in the fields of neuroscience, cognitive science, health, sociology, economy and law***.

Or. en

Amendment 339
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 5 a (new)

Motion for a resolution	*Amendment*
	- to support regular exchanges with concerned stakeholders as regards the development of technical standards at international level.

Or. en

Amendment 340
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point V – indent 5 b (new)

Motion for a resolution	*Amendment*
	- to organise or support the activities of the centre of experts, assessing technological standards and evaluation this regulation and work of the Agency

based on expertise of their members in the relative realm of technology and humanities.

Or. en

Amendment 341
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – introductory part

Motion for a resolution	*Amendment*
VI. The key tasks of ***the "***Supervisory ***Authority" in each*** Member ***State*** should be:	VI. The key tasks of ***competent*** supervisory ***authorities in the*** Member ***States*** should be:

Or. en

Amendment 342
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point VI – indent 1

Motion for a resolution	*Amendment*
- to assess whether artificial intelligence, robotics and related technologies, including software, algorithms and data used or produced by such technologies, developed, deployed and used in the Union are high-risk technologies;	- to assess whether artificial intelligence, robotics and related technologies, including software, algorithms and data used or produced by such technologies, developed, deployed and used in the Union are high-risk technologies ***in accordance with the criteria defined in the proposed Regulation***;

Or. en

Amendment 343
Stéphane Séjourné

Motion for a resolution
Annex I – part A – point VI – indent 1

Motion for a resolution	*Amendment*
- to assess ***whether*** artificial intelligence, robotics and related technologies***, including software, algorithms and data used or produced by such technologies, developed, deployed and used*** in the ***Union are high-risk technologies***;	- to assess ***the compliance of high-risk*** artificial intelligence, robotics and related technologies ***with the ethical principles set out*** in the ***proposed Regulation***;

Or. en

Amendment 344
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 1

Motion for a resolution	*Amendment*
- to assess whether artificial intelligence, robotics and related technologies, including software, algorithms and data used or produced by such technologies, developed, deployed and used in the Union are high-risk technologies;	- to assess whether artificial intelligence, robotics and related technologies, including software, algorithms and data used or produced by such technologies, developed, deployed and used in the Union are ***to be considered*** high-risk technologies;

Or. en

Amendment 345
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point VI – indent 2

Motion for a resolution	*Amendment*
- to monitor their compliance with the ethical principles set out in the proposed Regulation;	***deleted***

Or. en

Amendment 346
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 2

Motion for a resolution	*Amendment*
- to monitor their compliance with ***the*** ethical principles set out in the proposed Regulation;	- to monitor their compliance with ***law and*** ethical principles set out in the proposed Regulation;

Or. en

Amendment 347
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point VI – indent 2 a (new)

Motion for a resolution	*Amendment*
	- to issue a certificate of compliance with ethical principles, in line with common criteria and an application process developed in cooperation with other Supervisory Authorities, the European Commission and other relevant institutions, bodies, offices and agencies of the Union;

Or. en

Amendment 348
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point VI – indent 3

Motion for a resolution	*Amendment*
- to contribute to the consistent application of the proposed Regulation in cooperation with other Supervisory Authorities, the European Commission and other relevant institutions, bodies, offices and agencies of the Union; and	- to contribute to the consistent application of the proposed Regulation in cooperation with other Supervisory Authorities, the European Commission and other relevant institutions, bodies, offices and agencies of the Union***, namely regarding the application of the criteria for artificial intelligence, robotics and related technologies to be considered high-risk by elaborating, in the context of such cooperation, a common and exhaustive list of high-risk artificial intelligence, robotics and related technologies in line with the criteria set out in this Regulation***; and

Or. en

Amendment 349
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 3

Motion for a resolution	*Amendment*
- to contribute to the consistent application of the proposed Regulation in cooperation with other Supervisory Authorities, the European Commission and other relevant institutions, bodies, offices and agencies of the Union; and	- to contribute to the consistent application of the ***legal framework and the*** proposed Regulation in cooperation with other ***competent*** supervisory authorities, the European Commission and other relevant institutions, bodies, offices and agencies of the Union; and

Or. en

Amendment 350
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point VI – indent 4

Motion for a resolution	*Amendment*
- to be responsible for establishing standards for the governance of artificial intelligence, robotics and related technologies, including by liaising with the maximum possible number of stakeholders and civil society representatives.	***deleted***

Or. en

Amendment 351
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 4

Motion for a resolution	*Amendment*
- to be responsible for establishing standards for the governance of artificial intelligence, robotics and related technologies, including by ***liaising with the maximum possible number of*** stakeholders and civil society representatives***.***	- to be responsible for establishing standards for the governance of artificial intelligence, robotics and related technologies, including by ***sustaining a structured dialogue with all relevant*** stakeholders and civil society representatives***;***

Or. en

Amendment 352
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Annex I – part A – point VI – indent 4

Motion for a resolution	*Amendment*
- to be responsible for ***establishing*** standards for the governance of artificial intelligence, robotics and related technologies, including by liaising with the maximum possible number of stakeholders and civil society representatives.	- to be responsible for ***implementing*** standards for the governance of artificial intelligence, robotics and related technologies, including by liaising with the maximum possible number of stakeholders and civil society representatives.

Or. en

Amendment 353
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Annex I – part A – point VI – indent 4 a (new)

Motion for a resolution	*Amendment*
	- to cooperate with the authorities responsible for implementing sectorial legislation in order to identify technologies which are high-risk from an ethical perspective and in order to supervise the implementation of required and appropriate measures where such technologies are identified;

Or. en

Amendment 354
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 4 a (new)

Motion for a resolution	*Amendment*
	- to raise awareness, provide information on artificial intelligence, robotics and related technologies to the public, and support the training of relevant professions, including in the judiciary;

Or. en

Amendment 355
Marion Walsmann

Motion for a resolution
Annex I – part A – point VI – indent 4 a (new)

Motion for a resolution	*Amendment*
	- to support regular exchanges with concerned stakeholders and civil society.

Or. de

Amendment 356
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 4 b (new)

Motion for a resolution	*Amendment*
	- to empower people with the skills for AI and support workers for a fair transition;

Or. en

Amendment 357
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 4 c (new)

Motion for a resolution	*Amendment*
	- to serve as a first point of contact in cases of suspected discriminating treatment or of violation of other rights as a result of use of artificial intelligence and automated decision making systems, conduct ethical evaluation of such cases in cooperation with other competent authorities in the Union, notably the Consumer Protection Cooperation Network, national consumer protection bodies and civil society; to facilitate means to individuals to meaningfully contest and remedy harm caused by such discrimination or violations;

Or. en

Amendment 358
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VI – indent 4 d (new)

Motion for a resolution	*Amendment*
	- to facilitate the sharing of best practice and techniques for de-biasing datasets, and combatting discrimination in artificial intelligence and automated decision making systems, between competent supervisory authorities, research and development, civil society and individual experts.

Or. en

Amendment 359
Marion Walsmann

Motion for a resolution
Annex I – part A – point VII

Motion for a resolution	*Amendment*
VII. The key role of stakeholders should be to engage with the Commission***, the European Agency for Artificial Intelligence*** and the "Supervisory Authority" in each Member State.	VII. The key role of stakeholders should be to engage with the Commission and the "Supervisory Authority" in each Member State.

Or. de

Amendment 360
Stéphane Séjourné, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part A – point VII

Motion for a resolution	*Amendment*
VII. The key role of stakeholders should be to engage with the Commission***, the European Agency for Artificial Intelligence*** and the "Supervisory Authority" in each Member State.	VII. The key role of stakeholders should be to engage with the Commission and the "Supervisory Authority" in each Member State.

Or. en

Amendment 361
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part A – point VII

Motion for a resolution	*Amendment*
VII. The key role of stakeholders should be to engage with the Commission***, the European Agency for Artificial Intelligence*** and the "Supervisory Authority" in each Member State.	VII. The key role of stakeholders should be to engage with the Commission and the "Supervisory Authority" in each Member State.

Or. en

Amendment 362
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part A – point VII

Motion for a resolution	*Amendment*
VII. The key role of stakeholders should be to engage with the Commission, the European Agency for Artificial Intelligence and the ***"***Supervisory ***Authority" in each*** Member ***State***.	VII. The key role of stakeholders should be to engage with the Commission, the European Agency for Artificial Intelligence and the ***competent*** supervisory ***authorities in*** Member ***States***.

Or. en

Amendment 363
Karen Melchior

Motion for a resolution
Annex I – part A – point VII

Motion for a resolution	*Amendment*
VII. The key role of stakeholders should be to engage with the ***Commission, the*** European Agency ***for Artificial Intelligence*** and the "Supervisory Authority" in each Member State.	VII. The key role of stakeholders should be to engage with the ***relevant, new or existing,*** European Agency ***or European body*** and the "Supervisory Authority" in each Member State.

Or. en

Amendment 364
Daniel Buda

Motion for a resolution
Annex I – part B – recital 1

Motion for a resolution	*Amendment*
(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, are based on a desire to serve society. They can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.	(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, are based on a desire to serve society. They can entail opportunities and risks, which should be addressed and regulated by ***an efficient, forward- looking and*** comprehensive legal framework of ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.

Or. ro

Amendment 365
Stéphane Séjourné, Liesje Schreinemacher, Karen Melchior, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 1

Motion for a resolution	*Amendment*
(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, ***are*** based on a desire to serve society. ***They*** can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.	(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, ***should be*** based on a desire to serve society. ***Some of these technologies*** can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.

Or. en

Amendment 366
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 1

Motion for a resolution	*Amendment*
(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, are based on a desire to serve society. They can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.	(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, are based on a desire to serve society. They can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ethical principles to be complied with ***by high-risk technologies*** from the moment of the development and deployment of such technologies to their use.

Or. en

Amendment 367
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 1

Motion for a resolution	*Amendment*
(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, ***are based on a desire to*** serve society. They can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.	(1) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, ***should*** serve society. They can entail opportunities and risks, which should be addressed and regulated by a comprehensive legal framework of ***Union law, reflecting*** ethical principles to be complied with from the moment of the development and deployment of such technologies to their use.

Or. en

Amendment 368
Daniel Buda

Motion for a resolution
Annex I – part B – recital 2

Motion for a resolution	*Amendment*
(2) The level of compliance with the ethical principles regarding the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies in the Union should be equivalent in all Member States, in order to efficiently seize the opportunities and consistently address the risks of such technologies. It should be ensured that the application of the rules set out in this Regulation throughout the Union is homogenous.	(2) The level of compliance with the ethical principles regarding the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies in the Union should be equivalent in all Member States, in order to efficiently seize the opportunities***, avoid regulatory fragmentation*** and consistently address the risks of such technologies. It should be ensured that the application of the rules set out in this Regulation throughout the Union is homogenous.

Or. ro

Amendment 369
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 2

Motion for a resolution	*Amendment*
(2) The level of compliance with the ethical principles regarding the development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies in the Union should be equivalent in all Member States, in order to efficiently seize the opportunities and consistently address the risks of such technologies. It should be ensured that the application of the rules set out in this Regulation throughout the Union is homogenous.	(2) The level of compliance with the ethical principles regarding the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies in the Union should be equivalent in all Member States, in order to efficiently seize the opportunities and consistently address the risks of such technologies. It should be ensured that the application of the rules set out in this Regulation throughout the Union is homogenous.

Or. en

Amendment 370
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 3

Motion for a resolution	*Amendment*
(3) In this context, the current diversity of the rules and practices to be followed across the Union poses a significant risk to the protection of the well-being and prosperity of individuals and society alike, as well as to the coherent exploration of the full potential that artificial intelligence, robotics and related technologies have in promoting and preserving that well-being and prosperity. Differences in the degree of consideration of the ethical dimension inherent to these technologies can prevent	(3) In this context, the current diversity of the rules and practices to be followed across the Union poses a significant risk ***of fragmentation of the single market and*** to the protection of the well-being and prosperity of individuals and society alike, as well as to the coherent exploration of the full potential that artificial intelligence, robotics and related technologies have in promoting and preserving that well-being and prosperity. Differences in the degree of consideration of the ethical dimension

them from being freely developed, deployed or used within the Union and such differences can constitute an obstacle to the pursuit of economic activities at Union level, distort competition and impede authorities in the fulfilment of their obligations under Union law. In addition, the absence of a common framework of ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies results in legal uncertainty for all those involved, namely developers, deployers and users.

inherent to these technologies can prevent them from being freely developed, deployed or used within the Union and such differences can constitute an obstacle to the pursuit of economic activities at Union level, distort competition and impede authorities in the fulfilment of their obligations under Union law. In addition, the absence of a common framework of ethical principles for the development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies results in legal uncertainty for all those involved, namely developers, deployers and users.

Or. en

Amendment 371
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 3

Motion for a resolution	*Amendment*
(3) In this context, the current diversity of the rules and practices to be followed across the Union poses a significant risk to the protection of the well-being and prosperity of individuals and society alike, as well as to the coherent exploration of the full potential that artificial intelligence, robotics and related technologies have in promoting and preserving that well-being and prosperity. Differences in the degree of consideration of the ethical dimension inherent to these technologies can prevent them from being freely developed, deployed or used within the Union and such differences can constitute an obstacle to the pursuit of economic activities at Union level, distort competition and impede authorities in the fulfilment of their obligations under Union law. In addition, the absence of a common framework ***of*** ethical principles for the development,	(3) In this context, the current diversity of the rules and practices to be followed across the Union poses a significant risk to the protection of the well-being and prosperity of individuals and society alike, as well as to the coherent exploration of the full potential that artificial intelligence, robotics and related technologies have in promoting and preserving that well-being and prosperity. Differences in the degree of consideration of the ethical dimension inherent to these technologies can prevent them from being freely developed, deployed or used within the Union and such differences can constitute an obstacle to the pursuit of economic activities at Union level, distort competition and impede authorities in the fulfilment of their obligations under Union law. In addition, the absence of a common ***legal*** framework***, reflecting the Union's*** ethical principles

deployment and use of artificial intelligence, robotics and related technologies results in legal uncertainty for all those involved, namely developers, deployers and users.	for the development, deployment and use of artificial intelligence, robotics and related technologies results in legal uncertainty for all those involved, namely developers, deployers and users.

Or. en

Amendment 372
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 3

Motion for a resolution	*Amendment*
(3) In this context, the current diversity of the rules and practices to be followed across the Union poses a significant risk ***to the protection*** of the ***well-being and prosperity of individuals and society alike***, as well as to the coherent exploration of the full potential that artificial intelligence, robotics and related technologies have in promoting ***and preserving that well-being and prosperity***. Differences in the degree of consideration of the ethical dimension inherent to these technologies can prevent them from being freely developed, deployed or used within the Union and such differences can constitute an obstacle to the pursuit of economic activities at Union level, distort competition and impede authorities in the fulfilment of their obligations under Union law. In addition, the absence of a common framework of ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies results in legal uncertainty for all those involved, namely developers, deployers and users.	(3) In this context, the current diversity of the rules and practices to be followed across the Union poses a significant risk ***of fragmentation*** of the ***Single Market*** , as well as to the coherent exploration of the full potential that artificial intelligence, robotics and related technologies have in promoting ***innovation***. Differences in the degree of consideration of the ethical dimension inherent to these technologies can prevent them from being freely developed, deployed or used within the Union and such differences can constitute an obstacle to ***a level playing field and to*** the pursuit of ***technological progress and*** economic activities at Union level, distort competition and impede authorities in the fulfilment of their obligations under Union law. In addition, the absence of a common framework of ethical principles for the development, deployment and use of artificial intelligence, robotics and related technologies results in legal uncertainty for all those involved, namely developers, deployers and users.

Or. en

Amendment 373
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 4

Motion for a resolution	*Amendment*
(4) Nevertheless, this Regulation should provide a margin of manoeuvre for Member States, including with regard to how the mandate of their respective national supervisory authority is to be carried out in view of the objectives it is to pursue as laid down herein.	***deleted***

Or. en

Amendment 374
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 4

Motion for a resolution	*Amendment*
(4) Nevertheless, this Regulation should provide a margin of manoeuvre for Member States, including with regard to how the mandate of their ***respective national*** supervisory ***authority*** is to be carried out in view of the objectives it is to pursue as laid down herein.	(4) Nevertheless, this Regulation should provide a margin of manoeuvre for Member States, including with regard to how the mandate of their ***competent*** supervisory ***authorities*** is to be carried out in view of the objectives it is to pursue as laid down herein.

Or. en

Amendment 375
Marion Walsmann

Motion for a resolution
Annex I – part B – recital 4 a (new)

Motion for a resolution	*Amendment*
	(4a) In addition, this Regulation should

	only supplement existing sector-specific legislation and not undermine it. At the same time, red tape must be reduced as far as possible and the burdens minimised, especially for SMEs.

Or. de

Amendment 376
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 5

Motion for a resolution	*Amendment*
(5) The ***geographical*** scope of application of such a framework should cover all the components of artificial intelligence, robotics and related technologies ***developed, deployed or used*** in the Union, including in cases where part of the technologies might be located outside the Union or not have a ***specific*** location, such as in the case of cloud computing services.	(5) The scope of application of such a framework should cover all the components of artificial intelligence, robotics and related technologies ***throughout their development, deployment and use*** in the Union, including in cases where part of the technologies might be located outside the Union or not have a ***single*** location, such as in the case of cloud computing services.

Or. en

Amendment 377
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 6

Motion for a resolution	*Amendment*
(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies, algorithms and biometric recognition is required in order to allow for a harmonized regulatory approach. ***However, the specific legal definitions need to be developed in the context of this Regulation without***	(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies, algorithms and biometric recognition is required in order to allow for a harmonized regulatory approach.

prejudice to other definitions used in other legal acts and international jurisdictions.

Or. en

Amendment 378
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 6

Motion for a resolution	*Amendment*
(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies, algorithms and biometric recognition is required in order to allow for a harmonized regulatory approach. However, the specific legal definitions need to be developed in the context of this Regulation without prejudice to other definitions used in other legal acts and international jurisdictions.	(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies, algorithms and biometric recognition is required in order to allow for a harmonized regulatory approach. However, the specific legal definitions need to be developed in the context of this Regulation without prejudice to other definitions used in other legal acts and international jurisdictions. ***They should be technologically neutral and also subject to review whenever necessary.***

Or. en

Amendment 379
Marion Walsmann

Motion for a resolution
Annex I – part B – recital 6

Motion for a resolution	*Amendment*
(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies, algorithms and biometric recognition is required in order to allow for a harmonized regulatory approach. However, the specific legal definitions need to be developed in	(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies, algorithms and biometric recognition is required in order to allow for a harmonized regulatory approach ***and thus legal security for citizens and companies.***

the context of this Regulation without prejudice to other definitions used in other legal acts and international jurisdictions.	. However, the specific legal definitions need to be developed in the context of this Regulation without prejudice to other definitions used in other legal acts and international jurisdictions.

Or. de

Amendment 380
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 6

Motion for a resolution	*Amendment*
(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies**,** algorithms ***and biometric recognition*** is required in order to allow for a harmonized regulatory approach. However, the specific legal definitions need to be developed in the context of this Regulation without prejudice to other definitions used in other legal acts and international jurisdictions.	(6) A common understanding in the Union of notions such as artificial intelligence, robotics, related technologies ***and*** algorithms is required in order to allow for a harmonized regulatory approach. However, the specific legal definitions need to be developed in the context of this Regulation without prejudice to other definitions used in other legal acts and international jurisdictions.

Or. en

Amendment 381
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 6 a (new)

Motion for a resolution	*Amendment*
	(6a) There are technologies related to artificial intelligence and robotics that enable software to control physical or virtual processes, at a varying degree of autonomy[1a].

[1a] For automated driving of vehicles, six levels of driving automation have been proposed by SAE International standard J3016, last updated in 2018 to J3016_201806. https://www.sae.org/standards/content/j3016_201806/

Or. en

Amendment 382
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 6 b (new)

Motion for a resolution	*Amendment*
	(6b) Bias can originate both from decisions informed or made by an automated system as well as from data sets on which such decision making is based or trained. Such bias usually signifies a personal or social prejudice or perception of a person or a group based on their real or ascribed traits.

Or. en

Amendment 383
Brando Benifei

Motion for a resolution
Annex I – part B – recital 7

Motion for a resolution	*Amendment*
(7) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should be ***such as to ensure*** that the best interests of citizens are considered, and should respect fundamental rights as set out in the Charter	(7) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should be ***meant to complement human capabilities, not to substitute them, it should be aimed at ensuring*** that the best interests of

of Fundamental Rights of the European Union (‘the Charter’), settled case-law of the Court of Justice of the European Union, and other European and international instruments which apply in the Union.	citizens are considered, and ***it*** should respect fundamental rights as set out in the Charter of Fundamental Rights of the European Union (‘the Charter’), settled case-law of the Court of Justice of the European Union, and other European and international instruments which apply in the Union.

Or. en

Amendment 384
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 7

Motion for a resolution	*Amendment*
(7) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should be such as to ensure that the best interests of citizens ***are considered,*** and should respect fundamental rights as set out in the Charter of Fundamental Rights of the European Union (‘the Charter’), settled case-law of the Court of Justice of the European Union, and other European and international instruments which apply in the Union.	(7) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should be such as to ensure that ***their execution does not run against*** the best interests of ***affected*** citizens ***and the public*** and should respect ***Union law, based on*** fundamental rights as set out in the Charter of Fundamental Rights of the European Union (‘the Charter’), settled case-law of the Court of Justice of the European Union, and other European and international instruments which apply in the Union.

Or. en

Amendment 385
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 7

Motion for a resolution	*Amendment*
(7) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should be such as to ensure that the best interests of citizens are considered, ***and should respect*** fundamental rights as set out in the Charter of Fundamental Rights of the European Union ('the Charter'), settled case-law of the Court of Justice of the European Union, and other European and international instruments which apply in the Union.	(7) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should be such as to ensure that the best interests of citizens are considered, ***by respecting*** fundamental rights as set out in the Charter of Fundamental Rights of the European Union ('the Charter'), settled case-law of the Court of Justice of the European Union, and other European and international instruments which apply in the Union.

Or. en

Amendment 386
Ibán García Del Blanco

Motion for a resolution
Annex I – part B – recital 8

Motion for a resolution	*Amendment*
(8) Artificial intelligence, robotics and related technologies have been provided with the ability to learn from data and experience, as well as to take founded decisions. Such capacities need to remain subject to meaningful human review, judgment, intervention and control. The technical and operational complexity of such technologies should never prevent their deployer or user from being able to, at the very least, alter ***or halt*** them in cases where the compliance with the principles set out in this Regulation is at risk.	(8) Artificial intelligence, robotics and related technologies have been provided with the ability to learn from data and experience, as well as to take founded decisions. Such capacities need to remain subject to meaningful human review, judgment, intervention and control. The technical and operational complexity of such technologies should never prevent their deployer or user from being able to, at the very least, ***enable a fail-safe shutdown,*** alter***, halt or redress*** them in cases where the compliance with the principles set out in this Regulation is at risk.

Or. en

Amendment 387
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 8

Motion for a resolution	*Amendment*
(8) Artificial intelligence, robotics and related technologies have been provided with the ability to learn from data and experience, as well as to take founded decisions. Such capacities need to remain subject to meaningful human review, judgment, intervention and control. The technical and operational complexity of such technologies should never prevent their deployer or user from being able to, at the very least, ***alter or*** halt them in cases where the compliance with the principles set out in this Regulation is at risk.	(8) ***High-risk*** artificial intelligence, robotics and related technologies have been provided with the ability to learn from data and experience, as well as to take founded decisions. Such capacities need to remain subject to meaningful human review, judgment, intervention and control. The technical and operational complexity of such technologies should never prevent their deployer or user from being able to, at the very least, halt them in cases where the compliance with the principles set out in this Regulation is at risk.

Or. en

Amendment 388
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 8

Motion for a resolution	*Amendment*
(8) Artificial intelligence, robotics and related technologies ***have been provided with the ability to learn from data and experience, as well as to take founded decisions. Such capacities need to*** remain subject to meaningful human review, judgment, intervention and control. The technical and operational complexity of such technologies should never prevent their deployer or user from being able to, at the very least, alter or halt them in cases where the ***compliance with*** the principles ***set out in*** this Regulation ***is at risk***.	(8) ***Decisions made or informed by*** artificial intelligence, robotics and related technologies ***should*** remain subject to meaningful human review, judgment, intervention and control. The technical and operational complexity of such technologies should never prevent their deployer or user from being able to, at the very least, alter or halt them in cases where the ***execution of such technology amounts to essential risk for goods and rights of the user or run counter to*** the principles ***of the Union law and*** this Regulation.

Or. en

Amendment 389
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 8 a (new)

Motion for a resolution	*Amendment*
	(8a) This Regulation should be strictly proportionate to its objective so as not to hamper innovation in the Union. In this respect, it should be based on a targeted risk-based approach focusing on specific sectors where major interests are at stake.

Or. en

Amendment 390
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 8 b (new)

Motion for a resolution	*Amendment*
	(8b) The scope of the Regulation should be limited to high-risk artificial intelligence, robotics and related technologies used in sectors, where given the characteristics of the activities typically undertaken, significant risks can be expected to occur, and where their use is likely to create significant risk. A significant risk should be understood as directly endangering the protection of safety or fundamental rights and freedoms.

Or. en

Amendment 391
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 8 c (new)

Motion for a resolution	*Amendment*
	(8c) The sectors covered should be notably, but not exclusively, healthcare, transport, energy and finance. The high-risk technologies should be exclusively listed in the annex of this Regulation, which should be revised on a regular basis, keeping up with technological development.

Or. en

Amendment 392
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 9

Motion for a resolution	*Amendment*
(9) ***Any artificial intelligence, robotics and related*** technologies, including the software, algorithms and data used or produced by such technologies, ***which entails a high risk of breaching*** the principles of safety, transparency, accountability, non-bias or non-discrimination, social responsibility and gender balance, ***environmental friendliness and*** sustainability, privacy and governance***, should be considered high-risk from a compliance with ethical principles perspective where that is the conclusion of an impartial, regulated and external risk assessment by the national supervisory authority***.	(9) ***High-risk*** technologies, including the software, algorithms and data used or produced by such technologies, ***should respect*** the principles of safety, transparency, accountability, non-bias or non-discrimination, social responsibility and gender balance, ***right to redress,*** sustainability, privacy and governance.

Or. en

Amendment 393
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 9

Motion for a resolution	*Amendment*
(9) Any artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies***, which entails a high risk of breaching the principles of safety, transparency, accountability, non-bias or non-discrimination, social responsibility and gender balance, environmental friendliness and sustainability, privacy and governance, should*** be considered high-risk ***from a compliance with ethical principles perspective where that is the conclusion*** of an impartial, ***regulated*** and external risk assessment by the national supervisory authority.	(9) Any artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies ***are to*** be considered high-risk***, on the basis*** of an impartial, ***objective*** and external risk assessment by the national supervisory authority ***when, considering their intended use and the critical sectors where they are employed, their autonomous operation involves a significant potential to cause harm to one or more persons, in a manner that is random and impossible to predict in advance***.

Or. en

Amendment 394
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 9

Motion for a resolution	*Amendment*
(9) Any artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, which entails a high risk of breaching the principles ***of safety, transparency, accountability, non-bias or non-discrimination, social responsibility and gender balance, environmental friendliness and sustainability, privacy and governance,*** should be considered high-risk ***from a compliance with ethical principles perspective*** where that is the conclusion of an impartial, regulated and	(9) Any artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, which entails a high risk of breaching the ***Union's legal*** principles ***and fundamental rights*** should be considered high-risk where that is the conclusion of an impartial, regulated and external risk assessment by the ***Commission, the European Parliament, the European Agency for Artificial Intelligence or a competent*** supervisory authority. ***The affected developer and deployer should be heard and its own self-***

external risk assessment by the ***national*** supervisory authority.	***assessment be taken into account for the final decision.***

Or. en

Amendment 395
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 9 a (new)

Motion for a resolution	*Amendment*
	(9a) Determining how significant the potential to cause harm or damage by high-risk artificial intelligence, robotics and related technologies should depend on the interplay between the severity of possible harm, the likelihood that the risk materialises and the manner in which the technologies are being used. The degree of severity should be determined based on the extent of the potential harm resulting from the operation, the number of affected persons, the total value of the potential damage as well as the harm to society as a whole. The likelihood should be determined based on the role of the algorithmic calculations in the decision-making process, the complexity of the decision and the reversibility of the effects. Ultimately, the manner of usage should depend, among other things, on whether, taking into account the specific sector in which the artificial intelligence, robotics and related technologies operate, it could have legal or factual effects on important legally protected rights of the affected person, and whether the effects can reasonably be avoided.

Or. en

Amendment 396
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 9 a (new)

Motion for a resolution	*Amendment*
	(9a) The Commission should prepare non-binding guidelines on the methodology for compliance with this Regulation intended to developers, deployers and users. In doing so, the Commission should consult relevant stakeholders.

Or. en

Amendment 397
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 10

Motion for a resolution	*Amendment*
(10) Notwithstanding the risk assessment carried out in relation to compliance with ethical principles, artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should always be assessed as to their risk on the basis of objective criteria and in line with relevant sector-specific legislation applicable in different fields such as those of health, transport, employment, justice and home affairs, media, education and culture.	***deleted***

Or. en

Amendment 398
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 10

Motion for a resolution	*Amendment*
(10) ***Notwithstanding the risk assessment carried out in relation to compliance with ethical principles, artificial intelligence, robotics and related*** technologies***, including the software, algorithms and data used or produced by such technologies,*** should always be assessed as to their risk on the basis of objective criteria ***and in line with*** relevant sector-specific legislation applicable in different fields such as those of health, transport, employment, justice and home affairs, media, education and culture.	(10) ***High-risk*** technologies should always be assessed as to their risk on the basis of ***the*** objective criteria ***laid down in this Regulation and without prejudice to the*** relevant sector-specific legislation applicable in different fields such as those of health, transport, employment, justice and home affairs, media, education and culture.

Or. en

Amendment 399
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 10

Motion for a resolution	*Amendment*
(10) Notwithstanding the risk assessment carried out in relation to compliance with ethical principles, artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should always be assessed as to their risk on the basis of objective criteria and in line with relevant sector-specific legislation applicable in different fields ***such as those of health, transport, employment, justice and home affairs, media, education and culture***.	(10) Notwithstanding the risk assessment carried out in relation to compliance with ***Union law and*** ethical principles, artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should always be assessed as to their risk on the basis of objective criteria and in line with relevant sector-specific legislation applicable in different fields.

Or. en

Amendment 400
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Annex I – part B – recital 10

Motion for a resolution	*Amendment*
(10) Notwithstanding the risk assessment carried out in relation to compliance with ethical principles, artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should always be assessed as to their risk on the basis of objective criteria and in line with relevant sector-specific legislation applicable in different fields such as those of health, transport, employment, justice and home affairs, media, education and culture.	(10) Notwithstanding the risk assessment carried out in relation to compliance with ethical principles, artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should always be assessed as to their risk ***and subject to corresponding legal obligations*** on the basis of objective criteria and in line with relevant sector-specific legislation applicable in different fields such as those of health, transport, employment, justice and home affairs, media, education and culture.

Or. en

Amendment 401
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 10 a (new)

Motion for a resolution	*Amendment*
	(10a) When a high-risk technology has been considered compliant with the principles laid out in this regulation, the software, algorithms and data which are used or produced by the technology should be presumed compliant with this regulation, unless the national supervisory authority decides to conduct an assessment at its own initiative or at the request of the developer, the deployer or the user.

Or. en

Amendment 402
Evelyne Gebhardt, Brando Benifei, Bettina Vollath

Motion for a resolution
Annex I – part B – recital 10 a (new)

Motion for a resolution	*Amendment*
	(10a) Any artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies considered as high-risk from a compliance with ethical principles perspective shall not be classified as low risk from a sector-specific legislation perspective.

Or. en

Amendment 403
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 11

Motion for a resolution	*Amendment*
(11) Trustworthy artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed, deployed and used in a safe, transparent ***and*** accountable manner based on the features of robustness, resilience, security, accuracy and error identification, explainability ***and*** identifiability, and in a manner that makes it possible to be ***temporarily*** disabled ***and to revert to historical*** functionalities in cases of non-compliance with those ***safety*** features.	(11) Trustworthy artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed, deployed and used in a safe, transparent***,*** accountable ***and accessible*** manner based on the features of robustness, resilience, security, accuracy and error identification, explainability***, interpretability, auditability, transparency,*** identifiability***, and access to technology, data and computing systems underlying such technologies***, and in a manner that makes it possible to be disabled ***or reverted to a previous state, identified as restoring safe*** functionalities in cases of non-compliance with those features.

Or. en

Amendment 404
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 11

Motion for a resolution	*Amendment*
(11) Trustworthy artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed, deployed and used in a safe, transparent and accountable manner based on the features of robustness, resilience, security, accuracy and error identification, explainability and identifiability, and in a manner that makes it possible to be temporarily disabled and to revert to historical functionalities in cases of non-compliance with those safety features.	(11) ***To be*** trustworthy ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies should be developed, deployed and used in a safe, transparent and accountable manner based on the features of robustness, resilience, security, accuracy and error identification, explainability and identifiability, and in a manner that makes it possible to be temporarily disabled and to revert to historical functionalities in cases of non-compliance with those safety features.

Or. en

Amendment 405
Stéphane Séjourné, Liesje Schreinemacher, Karen Melchior, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 12

Motion for a resolution	*Amendment*
(12) Developers, deployers and users are responsible for compliance with safety, transparency, and accountability principles to the extent of their involvement with the artificial intelligence, robotics and related technologies concerned, including the software, algorithms and data used or produced by such technologies. Developers should ensure that the technologies concerned are designed and built in line with safety features, whereas deployers and users should deploy and use the concerned	(12) Developers, deployers and users ***of high-risk technologies*** are responsible for compliance with safety, transparency, and accountability principles to the extent of their involvement with the artificial intelligence, robotics and related technologies concerned, including the software, algorithms and data used or produced by such technologies. Developers should ensure that the technologies concerned are designed and built in line with safety features, whereas deployers and

technologies in full observance of those features.	users should deploy and use the concerned technologies in full observance of those features. ***To this end, developers of high-risk technologies should evaluate and anticipate the risks of misuse of their own technologies, in order to respond effectively if the problem arises.***

Or. en

Amendment 406
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 12

Motion for a resolution	*Amendment*
(12) Developers, deployers and users ***are*** responsible ***for*** compliance with safety, transparency, ***and*** accountability principles to the extent of their involvement with the artificial intelligence, robotics and related technologies concerned, including the software, algorithms and data used or produced by such technologies. Developers should ensure that the technologies concerned are designed and built in line with ***safety*** features, whereas deployers and users should deploy and use the concerned technologies in full observance of those features.	(12) Developers, deployers and users ***can be*** responsible ***to varying degree for the*** compliance with safety, transparency, accountability***, and accessibility*** principles to the extent of their involvement with the artificial intelligence, robotics and related technologies concerned, including the software, algorithms and data used or produced by such technologies. Developers should ensure that the technologies concerned are designed and built in line with ***the abovementioned*** features, whereas deployers and users should deploy and use the concerned technologies in full observance of those features.

Or. en

Amendment 407
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 13

Motion for a resolution	*Amendment*
(13) Developers and deployers should	(13) Developers and deployers should

make available to users any subsequent updates of the technologies concerned, namely in terms of software.	make available to users any subsequent updates of the technologies concerned, namely in terms of software***, in accordance with the obligations stipulated in the contract or laid down in Union or national law***.

Or. en

Amendment 408
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 13 a (new)

Motion for a resolution	*Amendment*
	(13a) Where a risk assessment so indicates, developers and deployers should be required to provide for the relevant documentation on the use and design instructions, including the source code, development tools and data used by the system, made easily accessible through a mandatory legal deposit;

Or. en

Amendment 409
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 14

Motion for a resolution	*Amendment*
(14) To the extent that their involvement with those technologies influences the compliance with the safety, transparency and accountability requirements set out in this Regulation, users should use artificial intelligence, robotics and related technologies in good faith. This means, in particular, that they should not use those technologies in a	***deleted***

way that contravenes the ethical principles laid down in this legal framework and the requirements listed therein. Beyond such use in good faith, users should be exempt from any responsibility that otherwise falls upon developers and deployers as established in this Regulation.

Or. en

Amendment 410
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 14

Motion for a resolution	*Amendment*
(14) To the extent that their involvement with those technologies influences the compliance with the safety, transparency and accountability requirements set out in this Regulation, users should use artificial intelligence, robotics and related technologies in good faith. This means, in particular, that they should ***not*** use those technologies in a way that ***contravenes*** the ethical principles laid down in this legal framework and the requirements listed therein. Beyond such use in good faith, users should be exempt from any responsibility that otherwise falls upon developers and deployers as established in this Regulation.	(14) To the extent that their involvement with those technologies influences the compliance with the safety, transparency and accountability requirements set out in this Regulation, users should use ***high-risk*** artificial intelligence, robotics and related technologies in good faith. This means, in particular, that they should use those technologies in ***accordance with the safety and use instructions provided by the developer and/or the deployer and in*** a way that ***does not contravene*** the ethical principles laid down in this legal framework and the requirements listed therein. Beyond such use in good faith, users should be exempt from any responsibility that otherwise falls upon developers and deployers as established in this Regulation.

Or. en

Amendment 411
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 14

Motion for a resolution	*Amendment*
(14) To the extent that their involvement with those technologies influences the compliance with the safety, transparency ***and*** accountability requirements set out in this Regulation, users should use artificial intelligence, robotics and related technologies in good faith. This means, in particular, that they should not use those technologies in a way that contravenes the ethical principles laid down in this legal framework and the requirements listed therein. Beyond such use in good faith, users should be exempt from any responsibility that otherwise falls upon developers and deployers as established in this Regulation.	(14) To the extent that their involvement with those technologies influences the compliance with the safety, transparency***,*** accountability***, and accessibility*** requirements set out in this Regulation, users should use artificial intelligence, robotics and related technologies in good faith. This means, in particular, that they should not use those technologies in a way that contravenes ***Union law or*** the ethical principles laid down in this legal framework and the requirements listed therein. Beyond such use in good faith, users should be exempt from any responsibility that otherwise falls upon developers and deployers as established in this Regulation.

Or. en

Amendment 412
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 15

Motion for a resolution	*Amendment*
(15) The citizens' trust in artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the understanding and comprehension of the technical processes. The degree of explainability of such processes should depend on the context and the severity of the consequences of an erroneous or inaccurate output of those technical processes, and needs to be sufficient for challenging them and seeking redress. Auditability ***and*** traceability should	(15) ***Individuals have a right to trust technology they use to perform in a reasonable manner, to respect their trust, and protect their good faith in it.*** The citizens' trust in artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the understanding and comprehension of the technical processes. The degree of explainability of such processes should depend on the context and the severity of the consequences of an erroneous or inaccurate output of those technical

remedy the possible unintelligibility of such technologies.	processes, and needs to be sufficient for challenging them and seeking redress. Auditability**,** traceability***, and transparency*** should remedy the possible unintelligibility of such technologies.

Or. en

Amendment 413
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 15

Motion for a resolution	*Amendment*
(15) The citizens' trust in artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the understanding and comprehension of the technical processes. The degree of explainability of such processes should depend on the context and the severity of the consequences of an erroneous or inaccurate output of those technical processes, and needs to be sufficient for challenging them and seeking redress. Auditability and traceability should remedy the possible unintelligibility of such technologies.	(15) The citizens' trust in ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the understanding and comprehension of the technical processes. The degree of explainability of such processes should depend on the context and the severity of the consequences of an erroneous or inaccurate output of those technical processes, and needs to be sufficient for challenging them and seeking redress. Auditability and traceability should remedy the possible unintelligibility of such technologies.

Or. en

Amendment 414
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 16

Motion for a resolution	*Amendment*
(16) Society's trust in ***artificial intelligence, robotics and related***	(16) Society's trust in ***high-risk*** technologies, including the software,

technologies, including the software, algorithms and data used or produced by such technologies, depends on the degree to which their assessment, auditability and traceability are enabled in the technologies concerned. Where the extent of their involvement so requires, developers should ensure that such technologies are designed and built in a manner that enables such an assessment, auditing and traceability. Deployers and users should ensure that artificial intelligence, robotics and related technologies are deployed and used in full respect of transparency requirements, and allowing auditing and traceability.	algorithms and data used or produced by such technologies, depends on the degree to which their assessment, auditability and traceability are enabled in the technologies concerned. Where the extent of their involvement so requires, developers should ensure that such technologies are designed and built in a manner that enables such an assessment, auditing and traceability. ***Within the limits of what is technically possible, developers,*** deployers and users should ensure that artificial intelligence, robotics and related technologies are deployed and used in full respect of transparency requirements, and allowing auditing and traceability.

Or. en

Amendment 415
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 16

Motion for a resolution	*Amendment*
(16) Society's trust in artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the degree to which their assessment, auditability and traceability are enabled in the technologies concerned. Where the extent of their involvement so requires, developers should ensure that such technologies are designed and built in a manner that enables such an assessment, auditing and traceability. Deployers and users should ensure that artificial intelligence, robotics and related technologies are deployed and used in full respect of transparency requirements, and allowing auditing and traceability.	(16) Society's trust in artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the degree to which their assessment, auditability and traceability are enabled in the technologies concerned. Where the extent of their involvement so requires, developers should ensure that such technologies are designed and built in a manner that enables such an assessment, auditing and traceability. Deployers and users should ensure that artificial intelligence, robotics and related technologies are deployed and used in full respect of ***accessibility, and*** transparency requirements, and allowing auditing and traceability.

Or. en

Amendment 416
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 16

Motion for a resolution	*Amendment*
(16) Society's trust in artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the degree to which their assessment, auditability and traceability are enabled in the technologies concerned. Where the extent of their involvement so requires, developers should ensure that such technologies are designed and built in a manner that enables such an assessment, auditing and traceability. Deployers and users should ensure that artificial intelligence, robotics and related technologies are deployed and used in full respect of transparency requirements, and allowing auditing and traceability.	(16) Society's trust in ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, depends on the degree to which their assessment, auditability and traceability are enabled in the technologies concerned. Where the extent of their involvement so requires, developers should ensure that such technologies are designed and built in a manner that enables such an assessment, auditing and traceability. Deployers and users should ensure that artificial intelligence, robotics and related technologies are deployed and used in full respect of transparency requirements, and allowing auditing and traceability.

Or. en

Amendment 417
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 16 a (new)

Motion for a resolution	*Amendment*
	(16a) In order to ensure transparency and accountability, citizens should be informed when a system uses artificial intelligence, when AI systems personalise a product or service to its users, whether they can switch off or restrain the personalisation and when they are faced

	with an automated-decision making technology. Furthermore, transparency measures should be accompanied, as far as this is technically possible, by clear and understandable explanations of the data used, of the algorithm, of its purpose, of its outcomes, and of its potential dangers;

Or. en

Amendment 418
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 17

Motion for a resolution	*Amendment*
(17) Bias in and discrimination by software, algorithms and data is unlawful and should be addressed by regulating the processes through which they are designed and ***used***.	(17) Bias in and discrimination by software, algorithms and data is unlawful and should be addressed by regulating the processes through which they are designed and ***deployed***.

Or. en

Amendment 419
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 18

Motion for a resolution	*Amendment*
(18) Software, algorithms and data ***used or*** produced by artificial intelligence, robotics and related technologies should be considered biased where***, for example,*** they display suboptimal results in relation to any person or group of persons, on the basis of a prejudiced personal, social or partial perception and subsequent processing of data relating to their traits.	(18) Software, algorithms and data produced ***or destined to be used*** by artificial intelligence, robotics and related technologies should be considered biased where ***- among others -*** they display suboptimal results in relation to any person or group of persons, on the basis of a prejudiced personal, social or partial perception and subsequent processing of data relating to their traits.

Or. en

Amendment 420
Stéphane Séjourné, Karen Melchior, Liesje Schreinemacher, Adrián Vázquez Lázara

Motion for a resolution
Annex I – part B – recital 18

Motion for a resolution	*Amendment*
(18) Software, algorithms and data used or produced by ***artificial intelligence, robotics and related*** technologies should be considered biased where, for example, they display suboptimal results in relation to any person or group of persons, on the basis of a prejudiced personal, social or partial perception and subsequent processing of data relating to their traits.	(18) Software, algorithms and data used or produced by ***high-risk*** technologies[1a] should be considered biased where, for example, they display suboptimal results in relation to any person or group of persons, on the basis of a prejudiced personal, social or partial perception and subsequent processing of data relating to their traits.
	[1a] From this point, "artificial intelligence, robotics and related technologies" should be replaced by "high-risk technologies" throughout the recitals.

Or. en

Amendment 421
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 19

Motion for a resolution	*Amendment*
(19) In line with Union law, software, algorithms and data ***used or*** produced by artificial intelligence, robotics and related technologies should be considered discriminatory where they ***treat a person or group of persons differently, including by putting them at a*** disadvantage ***when compared to others,*** based on ***grounds such as their personal traits, without***	(19) In line with Union law, software, algorithms and data produced ***or destined to be used*** by artificial intelligence, robotics and related technologies should be considered discriminatory where they ***produce outcomes that*** disadvantage ***a person*** based on ***the basis of a group characteristic that is considered to be irrelevant or otherwise unacceptable or***

objective or reasonable justification.	***where – despite apparent neutrality of the technologies - such outcomes have disproportionate negative effects on people belonging to such groups, unless objectively justified by a legitimate aim, and the means of achieving that aim are appropriate and necessary***.

Or. en

Amendment 422
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 20

Motion for a resolution	*Amendment*
(20) In line with Union law, legitimate aims that might objectively justify any differential treatment between persons or group of persons are the protection of public safety, security and health, the prevention of criminal offences, the protection of individual rights and freedoms, fair representation and objective professional requirements.	***deleted***

Or. en

Amendment 423
Brando Benifei

Motion for a resolution
Annex I – part B – recital 20

Motion for a resolution	*Amendment*
(20) In line with Union law, legitimate aims that might objectively justify any differential treatment between persons or group of persons are the protection of public safety, security and health, the ***prevention of criminal offences, the*** protection of ***individual*** rights and	(20) In line with Union law, legitimate aims that might objectively justify any differential treatment between persons or group of persons are the protection of public safety, security and health, the protection of ***fundamental*** rights and freedoms, fair representation and objective

freedoms, fair representation and objective professional requirements.	professional requirements.

Or. en

Amendment 424
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 21

Motion for a resolution	*Amendment*
(21) Artificial intelligence, robotics and related technologies, including software, algorithms and data ***used or*** produced by such technologies, should perform on the basis of sustainable progress. Such technologies should ***contribute comprehensively to*** the achievement of the Sustainable Development Goals outlined by the United Nations with a view to enabling future generations to flourish. Such technologies can support the monitoring of adequate progress on the basis of sustainability and social cohesion indicators, and by using responsible research and innovation tools requiring the mobilisation of resources by the Union and its Member States to support and invest in projects addressing those goals.	(21) Artificial intelligence, robotics and related technologies, including software, algorithms and data produced ***or destined to be used*** by such technologies, should perform on the basis of sustainable progress. Such technologies should ***not run counter to the interests of the people and the planet, the cause of preservation of the environment, the green transition, and*** the achievement of the Sustainable Development Goals outlined by the United Nations with a view to enabling future generations to flourish. Such technologies can support the monitoring of adequate progress on the basis of sustainability and social cohesion indicators, and by using responsible research and innovation tools requiring the mobilisation of resources by the Union and its Member States to support and invest in projects addressing those goals.

Or. en

Amendment 425
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 21

Motion for a resolution	*Amendment*
(21) Artificial intelligence, robotics and related technologies, including software, algorithms and data used or produced by such technologies, should ***perform on the basis of*** sustainable progress. Such technologies ***should contribute comprehensively to the achievement*** of the Sustainable Development Goals outlined by the United Nations with a view to enabling future generations to flourish. Such technologies can support the monitoring of adequate progress on the basis of sustainability and social cohesion indicators, ***and*** by using responsible research and innovation tools requiring the mobilisation of resources by the Union and its Member States to support and invest in projects addressing those goals.	(21) Artificial intelligence, robotics and related technologies, including software, algorithms and data used or produced by such technologies, should ***contribute to*** sustainable progress. Such technologies ***can also play an important role in achieving*** of the Sustainable Development Goals outlined by the United Nations with a view to enabling future generations to flourish. Such technologies can support the monitoring of adequate progress on the basis of sustainability and social cohesion indicators, by using responsible research and innovation tools requiring the mobilisation of resources by the Union and its Member States to support and invest in projects addressing those goals.

Or. en

Amendment 426
Sergey Lagodinsky, Alexandra Geese

Motion for a resolution
Annex I – part B – recital 22

Motion for a resolution	*Amendment*
(22) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data ***used or*** produced by such technologies, should in no way cause injury or harm of any kind to individuals or society. Accordingly, such technologies should be developed, deployed and used in a socially responsible manner.	(22) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data produced ***or destined to be used*** by such technologies, should in no way ***purposefully*** cause ***or consciously accept by design*** injury or harm of any kind to individuals or society. Accordingly, such technologies should be developed, deployed and used in a socially responsible manner.

Or. en

Amendment 427
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 22

Motion for a resolution	*Amendment*
(22) The development, deployment and use of artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should in no way cause injury or harm of any kind to individuals or society. Accordingly, such technologies should be developed, deployed and used in a socially responsible manner**.**	(22) The development, deployment and use of ***high-risk*** artificial intelligence, robotics and related technologies, including the software, algorithms and data used or produced by such technologies, should in no way cause injury or harm of any kind to individuals or society. Accordingly, such technologies should be developed, deployed and used in a socially responsible manner ***and, therefore,***

Or. en

Amendment 428
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 23

Motion for a resolution	*Amendment*
(23) ***For the purposes of this Regulation,*** developers, deployers and users should be held responsible, to the extent of their involvement in the artificial intelligence, robotics and related technologies concerned, for any injury or harm inflicted upon individuals and society.	(23) Developers, deployers and users should be held responsible, to the extent of their involvement in the artificial intelligence, robotics and related technologies concerned, for any injury or harm inflicted upon individuals and society ***in accordance with Union and national liability rules***.

Or. en

Amendment 429
Geoffroy Didier, Andrzej Halicki, Axel Voss

Motion for a resolution
Annex I – part B – recital 24

Motion for a resolution	*Amendment*
(24) In particular, the developers who take decisions that determine and control the course or manner of the development of artificial intelligence, robotics and related technologies, as well as the deployers who are involved in their deployment with an operating or managing function, should be generally considered responsible for avoiding the occurrence of any such injury or harm, by putting adequate measures in place during the development process and thoroughly respecting such measures during the deployment phase, respectively.	***deleted***

Or. en