

EC POLICY - Artificial Intelligence

The European Commission puts forward a European approach to Artificial Intelligence and Robotics. It deals with technological, ethical, legal and socio-economic aspects to boost EU's research and industrial capacity and to put AI at the service of European citizens and economy... In its Communication, the European Commission puts forward a European approach to AI based on three pillars [documented as goals in this StratML rendition]

Artificial intelligence (AI) has become an area of strategic importance and a key driver of economic development. It can bring solutions to many societal challenges from treating diseases to minimising the environmental impact of farming. However, socio-economic, legal and ethical impacts have to be carefully addressed. It is essential to join forces in the European Union to stay at the forefront of this technological revolution, to ensure competitiveness and to shape the conditions for its development and use (ensuring respect of European values)... The consultation process will remain open until 31 May 2020.

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DEMONSTRATION ONLY



European Commission (EC)

Stakeholder(s):

European Citizens :

Have your say on the AI White Paper — After its publication, the White Paper will undergo an open, public consultation process. All European citizens, Member States and relevant stakeholders (including civil society, industry and academics) are invited to participate in the consultation, by answering to a questionnaire.

EU Member States

Civil Society

Industry

Academics

Vision

Solutions to societal challenges

Mission

To stay at the forefront of the AI revolution, to ensure competitiveness and to shape the conditions for its development and use

Values

Trust: Ensuring that European values are at the heart of creating the right environment of trust for the successful development and use of AI the Commission highlights the key requirements for trustworthy AI in the communication:

Human Agency: 1. Human agency and oversight

Human Oversight

Technical Robustness: 2. Technical robustness and safety

Technical Safety

Privacy: 3. Privacy and Data Governance

Data Governance

Transparency: 4. Transparency

Diversity: 5. Diversity, non-discrimination and fairness

Non-Discrimination

Fairness

Societal Well-Being: 6. Societal and environmental well-being

Environmental Well-Being

Accountability: 7. Accountability

1. Development & Uptake

Stay ahead of technological developments and encourage uptake by the public and private sectors

Stakeholder(s)

Public Sector

Private Sector

High-Level Expert Group on Artificial Intelligence :

The High-Level Expert Group on Artificial Intelligence (AI HLEG) presented their Policy and Investment Recommendations for Trustworthy AI during the first European AI Alliance Assembly in June 2019.

The Commission is increasing its annual investments in AI by 70% under the research and innovation programme Horizon 2020. It will reach EUR 1.5 billion for the period 2018-2020. It will [pursue the following objectives]. However, this represents only a small part of all the investments from the Member States and the private sector. This is the glue linking the individual efforts, to make together a solid investment, with an expected impact much greater than the sum of its parts. Given the strategic importance of the topic and the support shown by the European countries signing the declaration of cooperation during the Digital Day 2018, we can hope that Member States and the private sector will make similar efforts... Joining forces at European level, the goal is to reach altogether, more than EUR 20 billion per year over the next decade.

1.1. Research Centres

Connect and strengthen AI research centres across Europe

Stakeholder(s):

AI Research Centres

1.2. AI-on-Demand

Support the development of an "AI-on-demand platform" that will provide access to relevant AI resources in the EU for all users

1.3. Applications

Support the development of AI applications in key sectors

2. Socio-Economic Changes

Prepare for socio-economic changes brought about by AI

To support the efforts of the Member States which are responsible for labour and education policies, the Commission will:

2.1. Partnerships

Support business-education partnerships to attract and keep more AI talent in Europe

Stakeholder(s):

Businesses

Educational Institutions

2.2. Training & Retraining

Set up dedicated training and retraining schemes for professionals

Stakeholder(s):

Professionals

2.3. Labour & Skills

Foresee changes in the labour market and skills mismatch

2.4. STEM

Support digital skills and competences in science, technology, engineering, mathematics (STEM), entrepreneurship and creativity

Stakeholder(s):

Entrepreneurs

Mathematicians

Scientists

Innovators

Engineers

2.5. Education & Training

Encourage Member States to modernise their education and training systems.

3. Ethics & Laws

Ensure an appropriate ethical and legal framework

On 19 February 2020, the European Commission published a White Paper aiming to foster a European ecosystem of excellence and trust in AI and a Report on the safety and liability aspects of AI. The White Paper proposes:

3.1. Research, Collaboration & Investment

Streamline research, foster collaboration between Member States and increase investment into AI development and deployment

3.2. Legal Requirements

Determine the types of legal requirements to apply to relevant actors, with a particular focus on high-risk applications.

Administrative Information

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