



European
Commission

JRC PORTFOLIO 15

TRUSTWORTHY ARTIFICIAL INTELLIGENCE FOR A FAIR AND DEMOCRATIC EUROPE

Recent advancements in artificial intelligence (AI) are significantly impacting European society and accelerating the digital transformation of various industries, such as transportation and healthcare. While the increasing adoption of AI brings a range of potential benefits, it also presents new challenges and risks that need to be addressed. The Commission has put forward an ambitious strategy aimed at fostering AI excellence in Europe and ensuring that AI systems are trustworthy and protect the safety and fundamental rights of European citizens.

The portfolio aims to:

Provide scientific and technical support to horizontal European Union (EU) policies on AI such as the AI Act, and their sectorial applications in domains such as transport, healthcare, education or science

Host the European Centre for Algorithmic Transparency, providing technical assistance and carrying out scientific research and foresight to support the implementation of the Digital Services Act

Advance frontier research on Trustworthy Artificial Intelligence, to further push the interdisciplinary knowledge and foresight on the challenges brought by new AI developments such as foundation models

Joint
Research
Centre

Delivering on anticipation, integration and impact of EU policies

- ▶ providing scientific support to horizontal and sectoral AI-related policy initiatives in different stages of the policy cycle,
- ▶ hosting of the European Centre for Algorithmic Transparency, which is instrumental to the Commission's enforcement function foreseen by the Digital Services Act,
- ▶ providing economic analyses related to the implementation of the Digital Services Act (for example, supporting secondary legislation on the designation of very large online platforms and search engines),
- ▶ providing technical and scientific support for the negotiation and implementation of the AI Act and the Coordinated Action Plan on AI, as well as the revision of the Product Liability Directive and the proposal for the AI Liability Directive.

Time frame

The portfolio will coordinate the JRC efforts to address the multidisciplinary scientific and policy challenges brought by the increased uptake of AI across all sectors, within both **a short- and a long-term perspective**. **In the short term**, the scientific projects of the portfolio will focus on supporting the Commission's efforts regarding trustworthy AI through multidisciplinary contributions and input. The forward-looking ambition of the portfolio aims to continue to contribute to the **consolidation of the scientific knowledge** in the field.

Main partners

Partner DGs

AGRI, CNECT, COMP, DEFIS, DIGIT, EAC, EEAS, EMPL, ENER, ESTAT, GROW, HOME, HR, JUST, MOVE, RTD, SANTE, TAXUD

Selected stakeholders

AI-related research institutes, CEN/CENELEC, ECDC, ELLIS/CLAIRE within Europe, ENISA, ETSI, OECD, UNECE, UNESCO

Digital society

Digital services

Artificial intelligence

Recommender systems

Trustworthy AI

Cybersecurity

Privacy and data governance

Digital Services Act

Artificial Intelligence Act

Transparency

Accountability

Diversity, non-discrimination & fairness

Human oversight

Transparency

Social and environmental well-being

European Centre on
Algorithmic Transparency

Find out more



TRUSTWORTHY ARTIFICIAL INTELLIGENCE
FOR A FAIR AND DEMOCRATIC EUROPE

<https://joint-research-centre.ec.europa.eu/jrc-research-portfolios/trustworthy-ai>

Science for policy

Joint Research Centre

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