



# EC-OECD monitoring of AI developments

Webinar: National AI Strategies in Europe:  
Where are we now and what's next?

Paul Desruelle, European Commission, Joint Research Centre

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# AI Watch



- Knowledge service from the European Commission launched in December 2018
  - “to monitor the development, uptake and impact of Artificial Intelligence for Europe”
- Developed by JRC in close collaboration with DG CONNECT
  - To support monitoring and development of the European strategy for AI
  - Based on scientific evidence
- Contributes to monitoring the Coordinated Plan on AI

## CONTENTS COORDINATED PLAN ON ARTIFICIAL INTELLIGENCE 2021 REVIEW

INTRODUCTION: CREATING EU GLOBAL LEADERSHIP IN HUMAN-CENTRIC AI WITH MEMBER STATES	2
I. SET ENABLING CONDITIONS FOR AI DEVELOPMENT AND UPTAKE IN THE EU	5
1. Acquire, pool and share policy insights	6
2. Tap into the potential of data	11
3. Foster critical computing capacity	14
II. MAKE THE EU THE PLACE WHERE EXCELLENCE THRIVES FROM THE LAB TO THE MARKET	16
4. Collaborate with stakeholders through, e.g. the European Partnership on AI, Data and Robotics and expert groups	16
5. Build and mobilise research capacities	19
6. Provide tools through an AI-on-demand platform and an environment for developers to test and experiment (TEFs), and for SMEs and public administrations to take up AI (EDIH)	20
7. Fund and scale innovative ideas and solutions for AI	24
III. ENSURE THAT AI WORKS FOR PEOPLE AND IS A FORCE FOR GOOD IN SOCIETY	26
8. Nurture talent and improve the supply of skills necessary to enable a thriving AI ecosystem	27
9. Develop a policy framework to ensure trust in AI systems	31
10. Promote the EU vision on sustainable and trustworthy AI in the world	34
IV. BUILD STRATEGIC LEADERSHIP IN HIGH-IMPACT SECTORS	36
11. Bring AI into play for climate and environment	37
12. Use the next generation of AI to improve health	40
13. Maintain Europe's lead: Strategy for Robotics in the world of AI	44
14. Make the public sector a trailblazer for using AI	46
15. Apply AI to law enforcement, migration and asylum	49
16. Make mobility smarter, safer and more sustainable through AI	52
17. Support AI for sustainable agriculture	54
CONCLUSIONS:	56
APPENDIX 1	58
TIMELINE – KEY ACTIONS	58
APPENDIX 2 ANALYSIS OF NATIONAL STRATEGIES AND INVESTMENTS IN AI	59
1. Overview of the national strategies	59
2. Outlook – forthcoming national actions	60
3. Member States' investments in AI	64

# Main AI Watch main publications... so far

- AI Worldwide Ecosystem Mapping
- **National Strategies on AI**  
– in collaboration with OECD
- AI in the Public Sector
- AI and Health and Healthcare
- AI History Timeline
- AI Standardisation\*

Scientific publications, methodology reports

\* forthcoming

AI Watch portal: [https://ec.europa.eu/knowledge4policy/ai-watch\\_en](https://ec.europa.eu/knowledge4policy/ai-watch_en)



[AI for the public sector](#)

## [Data: a cornerstone for AI – Toward a Common European Data Space](#)

For an application of AI to be ready for market entry it has to learn on the basis of training data. Additionally, it may need further data sources in order...

## [Evolution of AI uptake](#)

AI as a general-purpose technology can rapidly spread across industry sectors and yield strong positive growth effects.



[AI Landscape and Dashboard](#)

## [Education and Skills](#)

Education and training are crucial to harness AI, but AI can also help us rethink what competences and skills will be needed in the future to live...

## [Key Enablers](#)

The Digital Single Market and its regulatory framework will provide key enablers to enhance AI adoption.



[Strategic Actions and Coordination](#)

## [Evolution of AI technology](#)

Although AI has a long history of development, recent breakthroughs have impacted multiple application domains and industrial sectors.

## [Social perspective](#)

It is crucial to think how the concepts of autonomy and identity of individuals as well as security, safety and privacy issues might change under the influence of AI. AI WATCH...

# EC-OECD cooperation on national AI policies



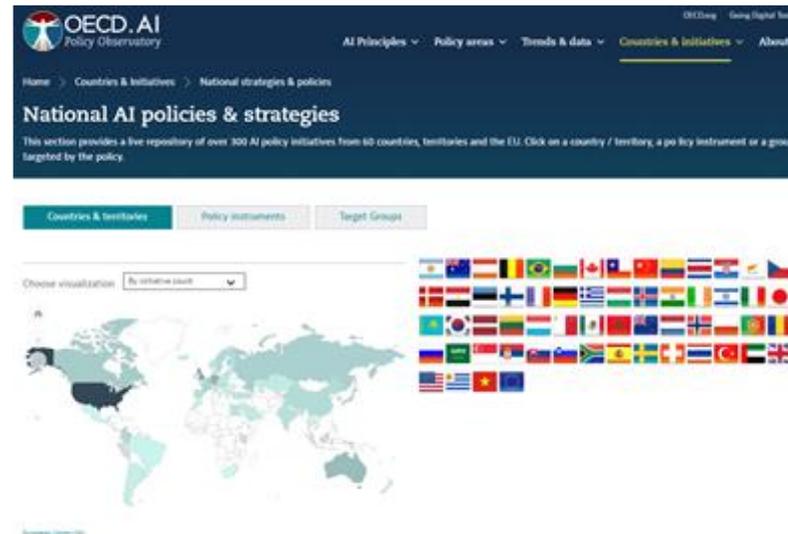
**STIPCOMPASS**  
INTERNATIONAL DATABASE ON STI POLICIES

**OECD**  
BETTER POLICIES FOR BETTER LIVES

**M 1.4. What strategies (or plans, roadmaps) and other types of policy initiatives, if any, make up your national artificial intelligence (AI) policy?**

- AMEU CONSORTIUM (2019-2021)
- BIG DATA VALUE PPP (2014-2020)
- COMMON EUROPEAN DATA SPACE (2019-...)
- COORDINATED PLAN ON ARTIFICIAL INTELLIGENCE (2016-...)
- COUNCIL CONCLUSIONS ON THE COORDINATED PLAN ON THE DEVELOPMENT AND USE OF ARTIFICIAL INTELLIGENCE MADE IN EUROPE (2019-...)
- DECLARATION OF COOPERATION ON AI (2018-...)
- DIGITAL EUROPE PROGRAMME (2019-2027)
- DIGITAL INNOVATION HUBS (2016-...)
- EU COMMUNICATION ON ARTIFICIAL INTELLIGENCE (2018-...)
- EU STRATEGY FOR ARTIFICIAL INTELLIGENCE (2016-...)
- EUROHPC INITIATIVE (2015-2026)
- EUROPEAN NETWORK FOR AI EXCELLENCE CENTRES (2019-2022)
- FET FLAGSHIP- HUMAN BRAIN PROJECT (2013-2020)
- FINANCING OF ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN TECHNOLOGIES (2019-...)
- HIGH-LEVEL EXPERT GROUP ON ARTIFICIAL INTELLIGENCE (2016-2020)

Survey on national AI policies, collecting qualitative and quantitative data



**OECD.AI**  
Policy Observatory

AI Principles Policy areas Trends & data Countries & Initiatives About

Home Countries & Initiatives National strategies & policies

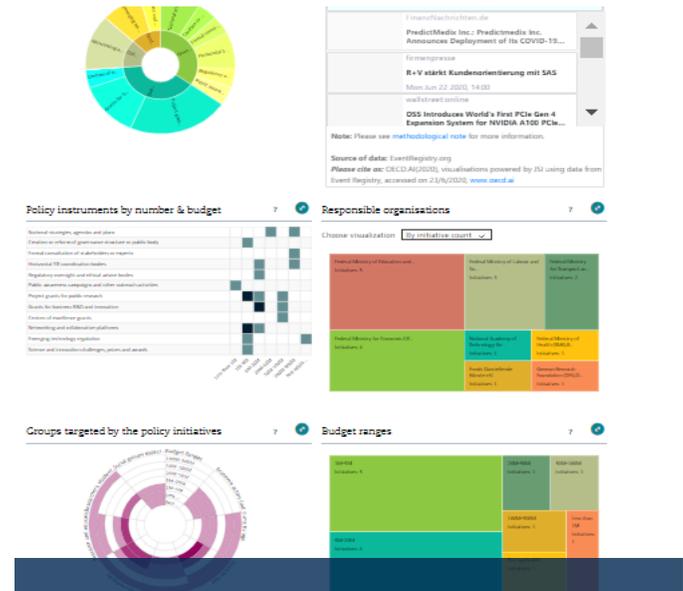
### National AI policies & strategies

This section provides a live repository of over 300 AI policy initiatives from 60 countries, territories and the EU. Click on a country / territory, a policy instrument or a group targeted by the policy.

Countries & territories Policy instruments Target Groups

Choose visualization: By initiative count

OECD.AI Policy Observatory contains joint EC-OECD database with over 650 national AI policies



Policy instruments by number & budget

Responsible organisations

Groups targeted by the policy initiatives

Budget ranges

Interactive country & EU dashboards (60+) and EC-JRC analytical reports

# AI Watch Reports on National AI Strategies

## Main objectives

- Present an overview of national AI policy initiatives in the European Union and Associated Countries
- Provide a useful resource for Member States' policy makers to help them compare their strategy to those of other countries, and to identify areas for collaboration;
- Support, at the EU level, the monitoring of the implementation of the Coordinated Plan on Artificial Intelligence and provide input for its development



# Overview of National AI Strategies

Country	Status	Date
 Austria	In progress	
 Belgium	In progress	
 <b>Bulgaria</b>	Published	Dec. 2020
 Croatia	In progress	
 <b>Cyprus</b>	Published Last update	Jan. 2020 Jun. 2020
 Czech Republic	Published	May 2019
 Denmark	Published	Mar. 2019
 Estonia	Published	Jul. 2019
 <b>Finland</b>	Published Last update	Oct. 2017 Nov. 2020
 France	Published	Mar. 2018
 <b>Germany</b>	Published Last update	Nov. 2018 Dec. 2020
 Greece	In progress	
 Hungary	Published	Sept. 2020
 Ireland	In progress	

Country	Status	Date
 Italy	In progress	
 Latvia	Published	Feb. 2020
 Lithuania	Published	Mar. 2019
 Luxembourg	Published	May 2019
 Malta	Published	Oct. 2019
 Netherlands	Published	Oct. 2019
 Norway <sup>AC</sup>	Published	Jan. 2020
 <b>Poland</b>	Published	Dec. 2020
 Portugal	Published	Jun. 2019
 Romania	In progress	
 Slovakia	Published	Jul. 2019
 <b>Slovenia</b>	Published	May 2021
 <b>Spain</b>	Published	Dec. 2020
 Sweden	Published	May 2018

# Some Highlights of the 2021 Edition

All EU Member States and Associated Countries have ambitious plans.

National strategies notably focus on (in all or in several countries):

- AI education and skills
- research and innovation to drive AI developments into successful products and services, also by improving collaboration and networking
- regulation framework to address ethical and legal issues
- data and ICT infrastructure
- COVID-19 pandemic and climate change – in most recent strategies
- manufacturing, agriculture, healthcare, transport and energy

# Engagement with Member States and Associated Countries

- AI Watch Steering group composed of Member States and Associated Countries representatives
- Country representatives contribution to this report
  - Responded to calls for input
  - Validated country chapters; provide comments or additional information which was included in the report.
- We are very thankful for these contributions and for working together on the report.

# Thank you!



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