



European
Commission



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

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How is Europe shaping excellence and trust in AI?

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STATE OF IMPLEMENTATION OF AI POLICIES IN EU COUNTRIES: MAIN DIRECTIONS AND TRENDS IN AI STRATEGIES?

Table 1. Overview of national AI strategies in the EU Member States and Norway

Country	Status	Date	Country	Status	Date
 Austria	In progress		 Italy	In progress	
 Belgium	In progress		 Latvia	Published	Feb. 2020
 Bulgaria	Published	Dec. 2020	 Lithuania	Published	Mar. 2019
 Croatia	In progress		 Luxembourg	Published	May 2019
 Cyprus	Published Last update	Jan. 2020 Jun. 2020	 Malta	Published	Oct. 2019
 Czech Republic	Published	May 2019	 Netherlands	Published	Oct. 2019
 Denmark	Published	Mar. 2019	 Norway ^{AC}	Published	Jan. 2020
 Estonia	Published	Jul. 2019	 Poland	Published	Dec. 2020
 Finland	Published Last update	Oct. 2017 Nov. 2020	 Portugal	Published	Jun. 2019
 France	Published	Mar. 2018	 Romania	In progress	
 Germany	Published Last update	Nov. 2018 Dec. 2020	 Slovakia	Published	Jul. 2019
 Greece	In progress		 Slovenia	Published	May 2021
 Hungary	Published	Sept. 2020	 Spain	Published	Dec. 2020
 Ireland	In progress		 Sweden	Published	May 2018

Source: JRC – European Commission

MAIN DIRECTIONS AND TRENDS IN NATIONAL AI STRATEGIES?

- **Data access and sharing**
- **Data storage - HPC - broadband networks**

- Maps of AI players
- **Partnerships** public - private sector, and civil society
- Development & uptake
- **Investment for AI innovators** - start-ups and SMEs

- AI at all education levels
- **Lifelong learning and upskilling**
- **Legislative frameworks for AI**
- **AI ethics oversight bodies**
- AI certificates
- **regulatory sandboxes**

- **AI in public services**
- Sectors: manufacturing, agriculture, healthcare, transport and energy
- **COVID-19**
- **CLIMATE CHANGE**

FOUR KEY POLICY OBJECTIVES FOR ARTIFICIAL INTELLIGENCE IN EUROPE

SET ENABLING CONDITIONS FOR AI DEVELOPMENT AND UPTAKE IN THE EU

- Acquire, pool and share policy insights
- Tap into the potential of **data**
- Foster critical **computing capacity**

MAKE THE EU THE RIGHT PLACE; EXCELLENCE FROM LAB TO THE MARKET

- **Collaboration** with stakeholders, **Public-private Partnership** on AI, data and robotics
- **Research capacities**
- Testing and experimentation (TEFs), **uptake by SMEs** (EDIHs)
- **Funding and scaling** innovative ideas and solutions

ENSURE AI TECHNOLOGIES WORK FOR PEOPLE

- **Talent and skills**
- A policy framework to ensure **trust in AI** systems
- Promoting the EU vision on sustainable and trustworthy AI in the world

BUILD STRATEGIC LEADERSHIP IN THE SECTORS

- **Climate and environment**
- **Health**
- Strategy for Robotics in the world of AI
- **Public sector**
- Law enforcement, immigration and asylum
- **Mobility**
- **Agriculture**

Investments: Horizon Europe, Digital Europe, Recovery and Resilience Facility

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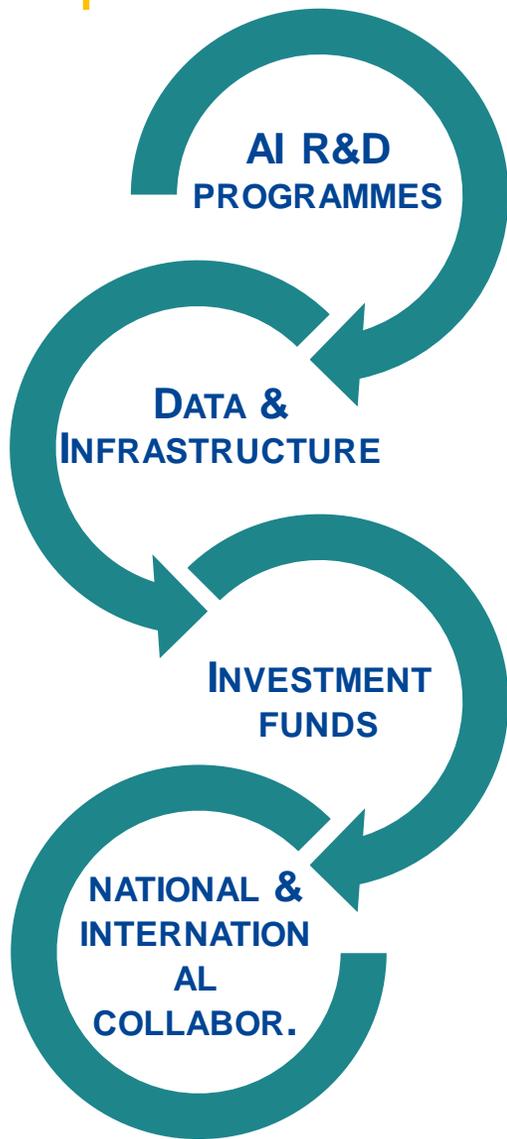
ENSURE AI TECHNOLOGIES
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BUILD STRATEGIC
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IN THE SECTORS

- **AI in public services**
- **Sectors: manufacturing, agriculture, healthcare, transport and energy**
- **COVID-19**
- **CLIMATE CHANGE**

AI to tackle societal challenges

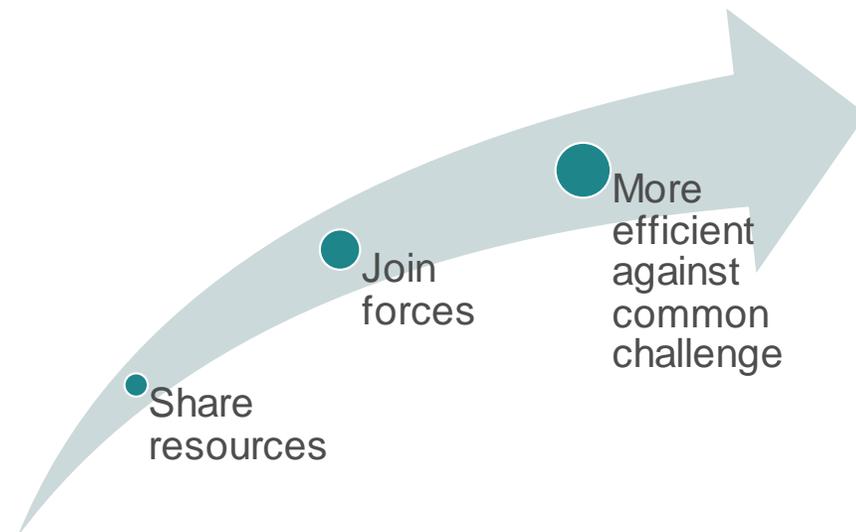


**COVID-19
pandemic**

diagnosis,
prevention and
recovery, spread,
decision-support
systems, ...

**AI to
mitigate
climate
change**

Circular economy,
transport, agriculture,
resource /energy
optimization, waste
management,



OPPORTUNITIES

EU funding instrumental to JOIN FORCES - Build synergies – Build on national initiatives:

- PPP
- Enablers – pool resources
- Networks of Excellence centers / AI lighthouse / DIHs / TEFs / AI-on-Demand Platform
- Address more efficiently common societal challenges → EU funding (HE / DIGITAL / RRF)

Share knowledge / exchange best Practices: Skills & Policies / deployment in key sectors / public sector

Thank you



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