



European AI Strategy

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European Artificial Intelligence Association




EurAI is one of the world's largest AI associations in the world with over 4500 members across 30 countries.

European Conference on AI
Advanced Courses on AI
Fellows Program (top 3%)
Research Excellence Award
Distinguished Service Award
European AI Dissertation Award



The European Artificial Intelligence landscape

Europe has a leading edge in artificial intelligence (AI) and robotics. This workshop report describes activities being carried out in the field of AI in different Member States and in some of the countries associated to Horizon 2020. Learn about the academic, industrial and funding ecosystems, and find out more about the various governmental initiatives and strategies related to AI.

In January 2018, the Commission in cooperation with the European Association for Artificial Intelligence ([EurAI](#) ) organised a workshop to take stock of the current state of the field of artificial intelligence (AI) in Europe, and to identify opportunities for pan-European collaboration, capitalising on European strengths in AI.

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Communication Artificial Intelligence for Europe

Communication from the Commission to the European Parliament, the European Council, the Council, the European Economic and Social Committee and the Committee of the Regions on Artificial Intelligence for Europe.

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Artificial Intelligence for Europe (published 25/04/2018)

STRATEGY FOR EUROPE TO LEAD THE WAY

**Boosting
technological and
industrial capacity
–
AI uptake**

**Prepare for socio-
economic changes**

**Ensure an
appropriate ethical
and legal
framework**

**Development and use of
AI for good and for all**



**In my first 100 days in office, I will put forward legislation for a coordinated European approach on the human and ethical implications of Artificial Intelligence.
Ursula van der Leyen President EC**

The AI High-Level Expert Group

52 Experts



Nozha Boujemaa
Vice Chair (Ethics)
Director of Research at INRIA, Director of DATAIA Institute, Board Member of BDVA.



Pekka Ala-Pietilä
Chair

Chairman of the Board of Huhtamak and Sanoma and Netcompany, former President of Nokia Mobile Phones



Barry O'Sullivan
Vice Chair (Policy & Investment)

Director, Insight at UCC. President, European AI Association. Adjunct Professor at Monash University. Member of the Royal Irish Academy.

Working Group 1

Product: draft AI Ethics Guidelines

Vice-Chair: Nozha Boujemaa

Chair: Pekka Ala-Pietilä



23 companies



19 academia



10 civil society



Working Group 2

Product: Policy & Investment Recommendations

Vice-Chair: Barry O'Sullivan



The **High-level Expert Group** on **Artificial Intelligence** will:

-  Advise on AI-related challenges & opportunities
-  Propose draft AI ethics guidelines
-  Engage with members of the European AI Alliance

#AI |






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European AI Alliance

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The European AI Alliance is a multi-stakeholder forum for engaging in a broad and open discussion of all aspects of AI development and its impact on the economy and society. It is steered by the [High-Level Expert Group on AI \(AI HLEG\)](#), which consists of 52 experts who have been selected by the Commission for this task. The AI HLEG will focus on two main deliverables, for which input from the members of the European AI Alliance will be sought:

- (1) It will prepare draft AI ethics guidelines, which will offer guidance on how to implement ethical principles when developing and deploying AI, building on the work of the [European Group on Ethics in Science and New Technologies](#) and the [European Union Agency for Fundamental Rights](#); and
- (2) It will make mid- and long-term policy recommendations on AI-related challenges and opportunities, which will feed into the policy development process, the legislative evaluation process and the development of a next-generation digital strategy.

Upcoming Events

 EVENT

Mon-Thu
05-08
Nov

**IEEE ICTAI 2018 - 30th
International Conference on
Tools with Artificial
Intelligence**

 EVENT

Thu
08
Nov

**Closed Meeting of the AI
HLEG**

Coordinated Plan on the Development and Use of Artificial Intelligence Made in Europe

Ambition for Europe: become the world-leading region for developing and deploying cutting-edge, ethical and secure AI, promoting a human-centric approach in the global context

Strategic actions and coordination

Maximizing investment through partnership

From Lab to market: research, infrastructure, DIH

Skills and life-long learning

Create a common European Data Space

Ethics by design and regulatory framework

AI for the public sector

International cooperation

Coordinated Plan on AI

National AI strategies: By mid-2019 all Member States should have their own strategies in place

A new European **AI public-private partnership**

A new AI scale-up fund

Developing and connecting world-leading centres for AI

Boosting the EU's technological and industrial capacity: 2018 - 2020



€1.5 billion EC investments into AI in 2018-2020



Support for basic (explainable AI, data-efficient AI) and industrial research (health, transport, agriculture, manufacturing)



AI-on-demand platform



Network of AI-focused Digital Innovation Hubs (DIHs)



Strengthening AI excellence centres



Planning of AI-related investments in next multi-annual financial framework (2021-2027)




Digital Europe Programme:

- €2.5 billion on AI
- Common data spaces, AI-on-demand platform, large-scale testing facilities, reinforcing AI excellence centres, AI-focussed Digital Innovation Hubs

Horizon Europe (H2020 successor)

- €100 billion overall
- €53 billion for "global challenges and industrial competitiveness" including AI as part of the "Digital and Industry" cluster
- €16.6 billion for European Research Council, €10.5 billion for European Innovation Council

Relevant EU Initiatives

-  AI on-demand platform
-  Confederation of Laboratories for Artificial Intelligence Research in Europe
- ELLIS European Lab for Learning and Intelligent systems
-  AI Human-centric AI Flagship initiative
- AI PPP Public Private partnership on AI

Thank you

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