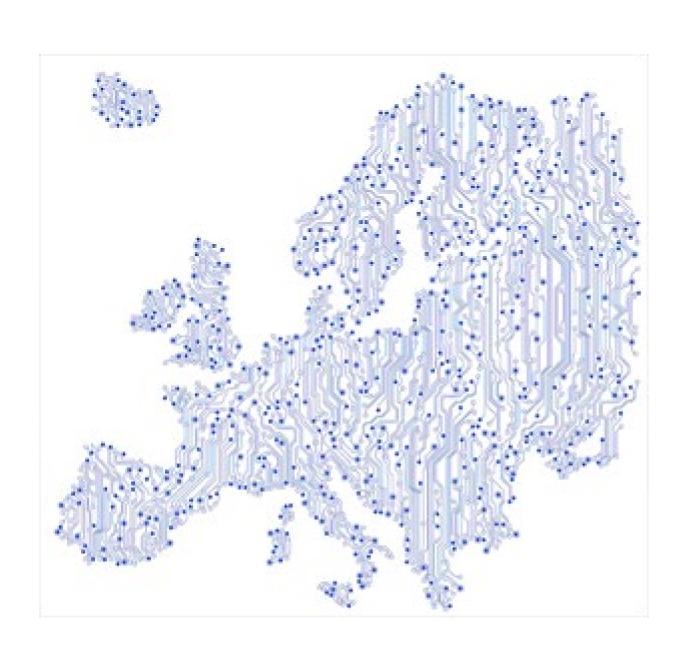


European Al Strategy Michela Milano – EurAl Deputy President

## **European Artificial Intelligence Association**



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

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



### Digital Single Market

REPORT / STUDY | 18 April 2018

## 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 (EurAl → ) 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.

About Advancing digital science an infrastructures

**Policies** 

**Blog posts** 

News

**Events** 

**Projects** 



European Commission > Strategy > Digital Single Market > Laws >

Digital Single Market

LAW | 25 April 2018

## 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.

### Related documents:

Communication Artificial Intelligence

About Artificial intelligence

**Blog posts** 

News

**Events** 

**Projects** 

Funding

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

#### STRATEGY FOR EUROPE TO LEAD THE WAY

Boosting technological and industrial capacity

AI uptake

Prepare for socioeconomic 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



Vice Chair (Policy & Investment)
Director, Insight at UCC.
President, European Al Association. Adjunct
Professor at Monash
University. Member of the Royal Irish Academy.

**Barry O'Sullivan** 

Pekka Ala-Pietilä

23 companies

19 academia

10 civil society

Chair:



Working Group 1

Product: draft AI Ethics Guidelines

Vice-Chair: Nozha Boujemaa















process and the development of a next-generation digital strategy.

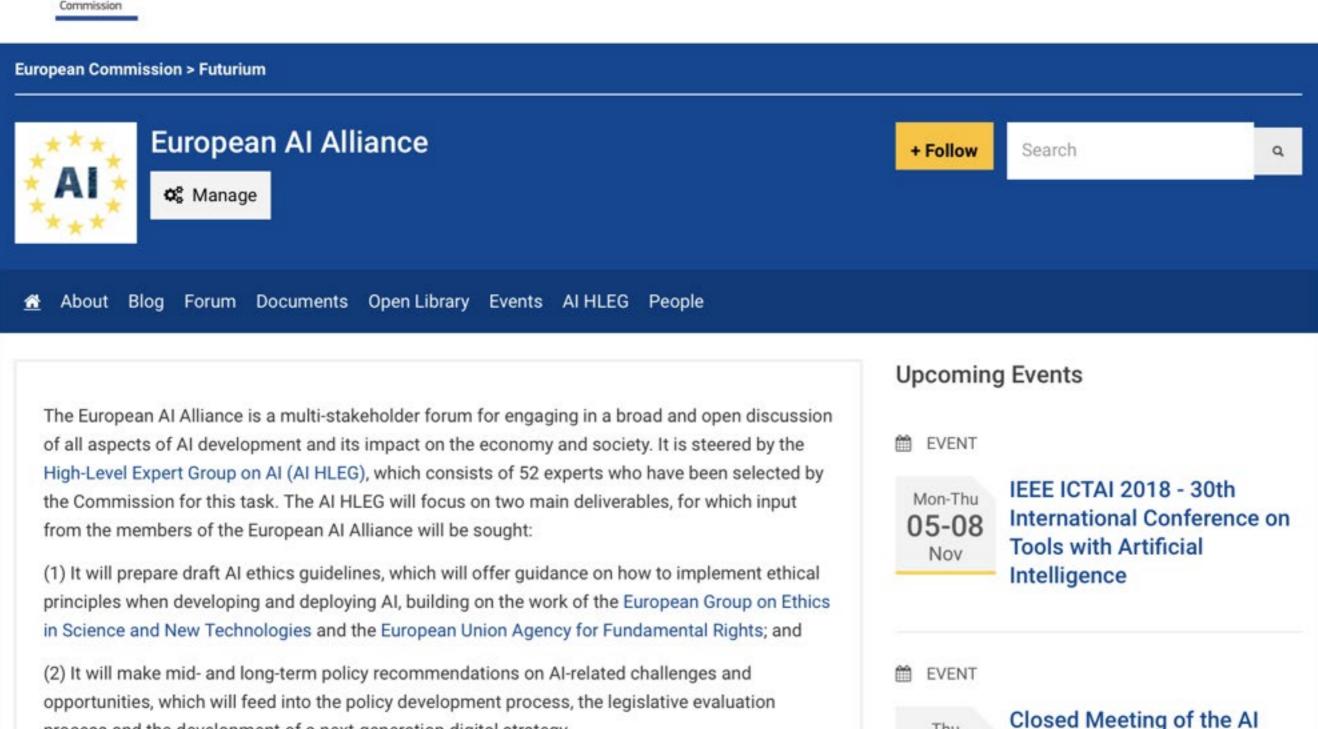
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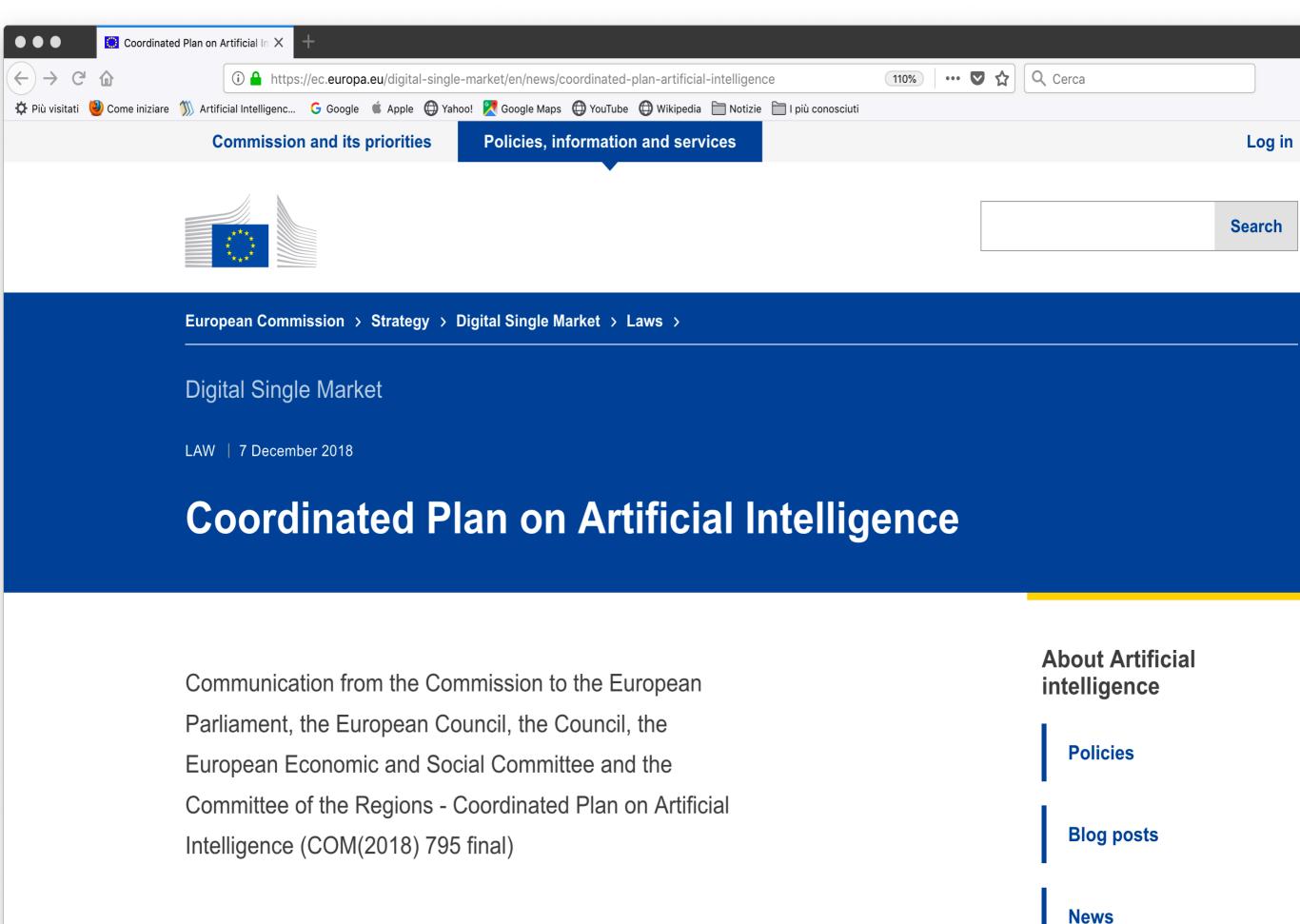
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Related documents:

# KEY ENABLERS

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

Ambition for Europe: become the world-leading region for delevoping 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 Al

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



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



AI-on-demand platform



Network of AIfocused 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

- AI4EU Al on-demand platform
- CLARE Confederation of Laboratories for Artificial Intelligence Research in Europe
- ELLIS European Lab for Learning and Intelligent systems
- HUMANE Human-centric Al Flagship initiative
- Al PPP Public Private partnership on Al

# Thank you

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