



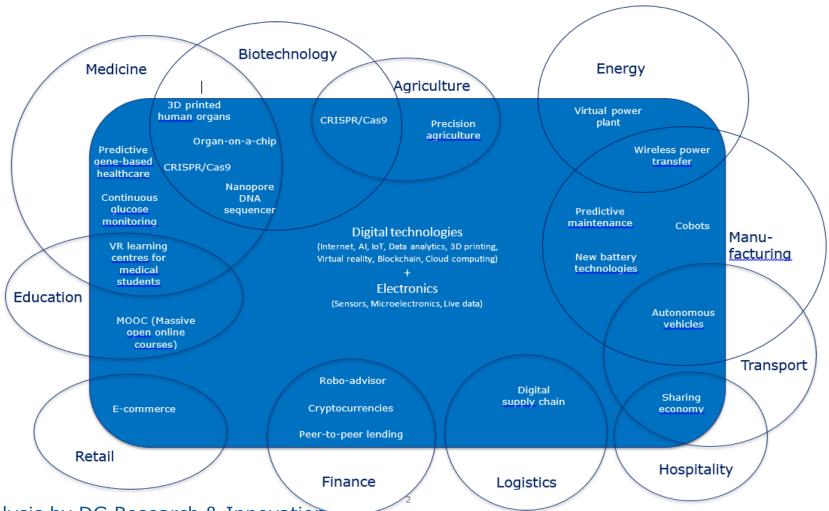
The EU's role in Artificial Intelligence

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Deputy Director-General
DG Research and Innovation

**Frontier Research and Artificial Intelligence*

25 October 2018

Digital technologies are increasingly converging with the physical world ...



Analysis by DG Research & Innovation European Commission, DG RTD A4



Public policy since 2017 gives more and more attention to AI ...

Artificial Intelligence Strategies October: December: March: Al at **April: First** April: UK May: White June: Towards Fall 2018: March: Pan-May: Al January: May: Canadian Singapore Al Strategy Finland's Al Budget for Al the Service Workshop Al Sector House Summit Sweden's Al an Al Strategy EU's Al of Citizens in Mexico Strategy Al Strategy Announced 2031 Strategy Taiwan for Strategy Deal on Al Strategy O 2017 2018 • Fall 2018: March: Al January: January: March: April: May: May: Al June: December: July: Next Blockchain and Strategy for France's AI Communication Australian R&D National Germany's Al Technology Three-Year Generation Strategy Strategy **Action Plan** Al Task Force Digital Growth Strategy on Al Budget Strategy Strategy for Al Al Plan

2018-07-13 | Politics + AI | Tim Dutton



Benefits from AI



Contribution to societal challenges









Energy efficiency





Road safety Cybersecurity



EC Communication: AI for Europe

A STRATEGY FOR EUROPE TO LEAD THE WAY

Boost technological and industrial capacity & AI uptake

Prepare for socio-economic changes

Ensure an appropriate ethical & legal framework



EU investments in AI

2018-2020: €1.5 billion in = **70%+** of annual investment



R&D and excellence centers



AI-ondemand platform



Digital Innovation Hubs



Industrial data platforms

Goal beyond 2020: Increasing investments from €4-5 billion / year today to €20 billion / year



Preparing for socio-economic challenges







Developing,
Attracting & retaining
talent
(EIT, Digital Opportunity
Traineeships, Digital
Europe Programme)



Ethical and legal framework



High level group of experts





Ethical priorities by early 2019



Joining forces



All Member
States and
Norway
signed the
Declaration
of
cooperation
on AI

Coordinated plan with Member States by end of 2018
Interaction with Member States via the
European platform on national initiatives to digitise industry

