



European
Commission



The EU's role in Artificial Intelligence

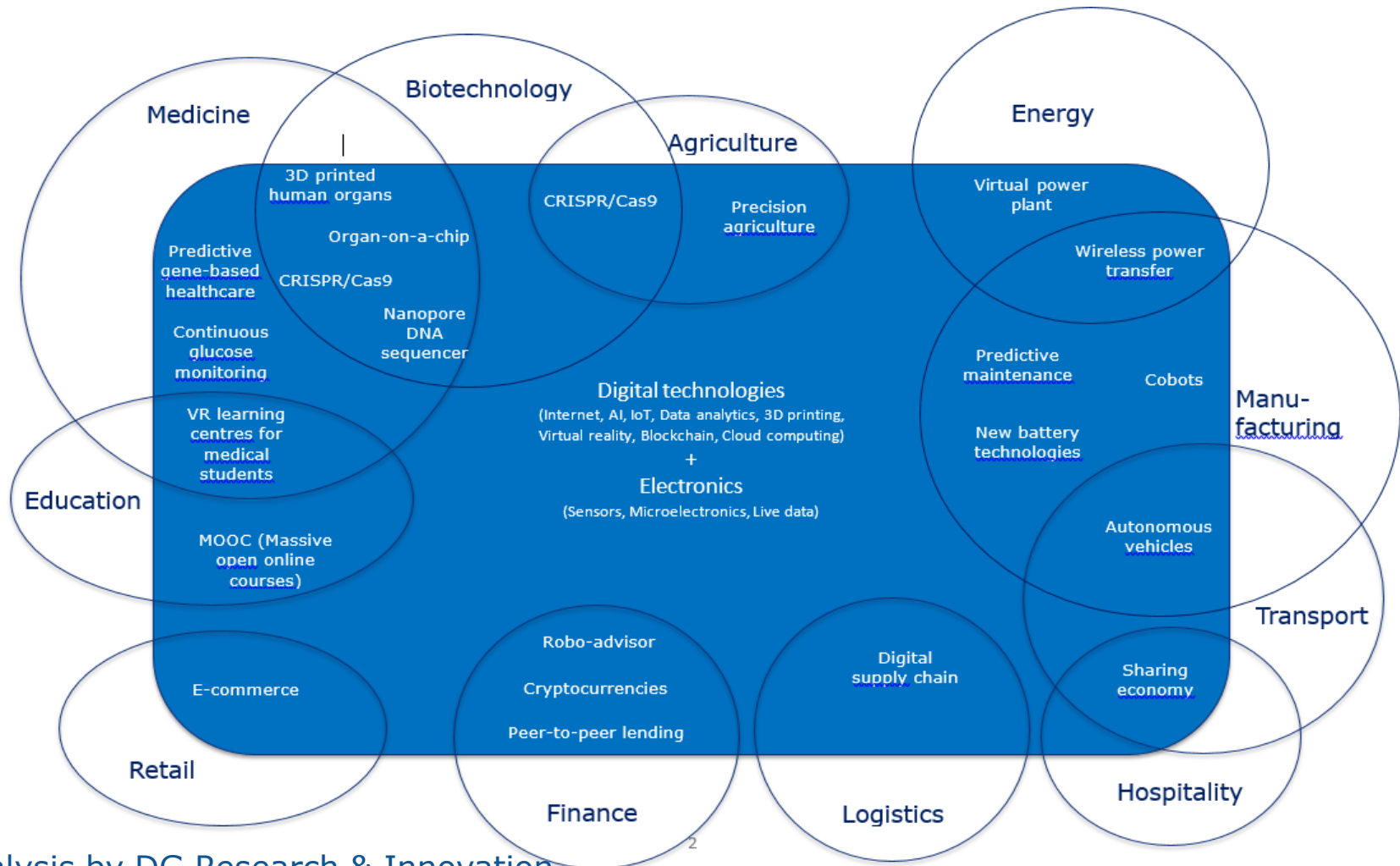
Signe Ratso
Deputy Director-General
DG Research and Innovation

ERC Conference

"Frontier Research and Artificial Intelligence"

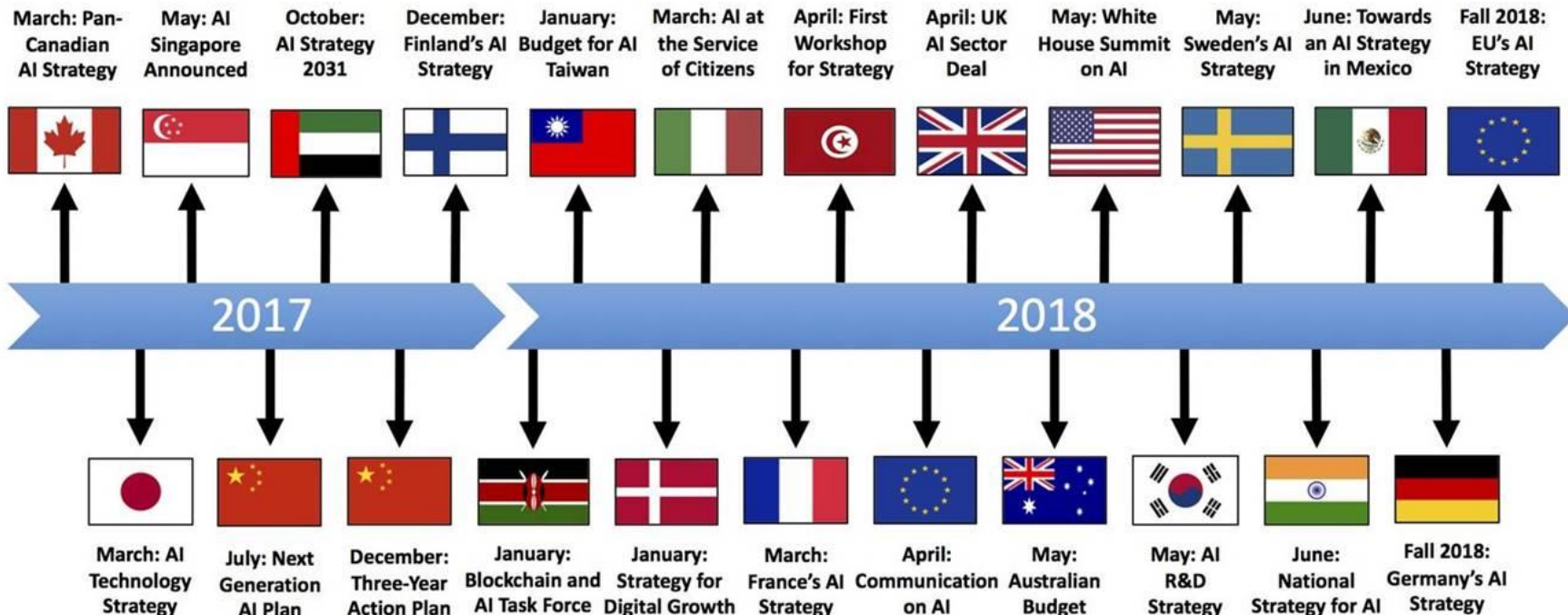
25 October 2018

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



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

Artificial Intelligence Strategies



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

<https://medium.com/politics-ai/an-overview-of-national-ai-strategies-2a70ec6edfd>

Benefits from AI



Economic impact



Contribution to societal challenges



Healthcare



Energy efficiency



Road safety



Cybersecurity

...



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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-on-
demand
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



**Anticipating
changes in the
labour market**



**Re-skilling the
workforce**



**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**