

Europe's pathway to AI governance

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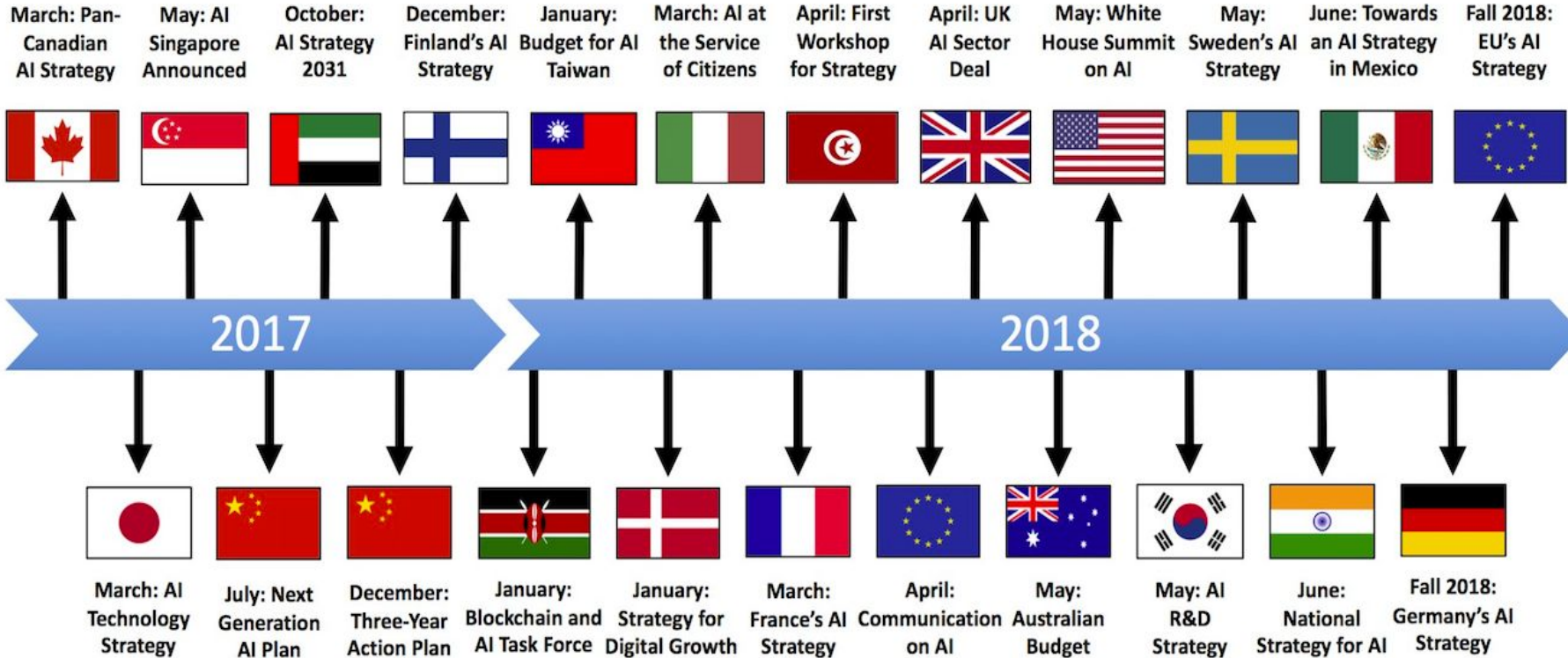
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Which countries aim to govern AI?

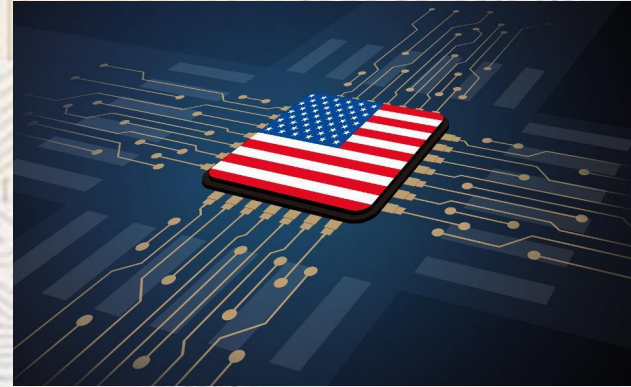


International backdrop: Canada

- Pan-Canadian AI strategy
 - Research (people)
 - Research (community)
 - Clusters of Scientific Excellence
 - ELSE leadership
- CIFAR (Canadian Institute for Advanced Research)
AI & Society Program
- International Panel on Artificial Intelligence

International backdrop: USA

- Accelerating America's leadership in AI
 - Research and development
 - Infrastructure
 - Governance
 - Workforce
 - International engagement
- National Science and Technology Council (NSTC) Select Committee on Artificial Intelligence
- Defense Department has established a Joint Artificial Intelligence Center (JAIC)



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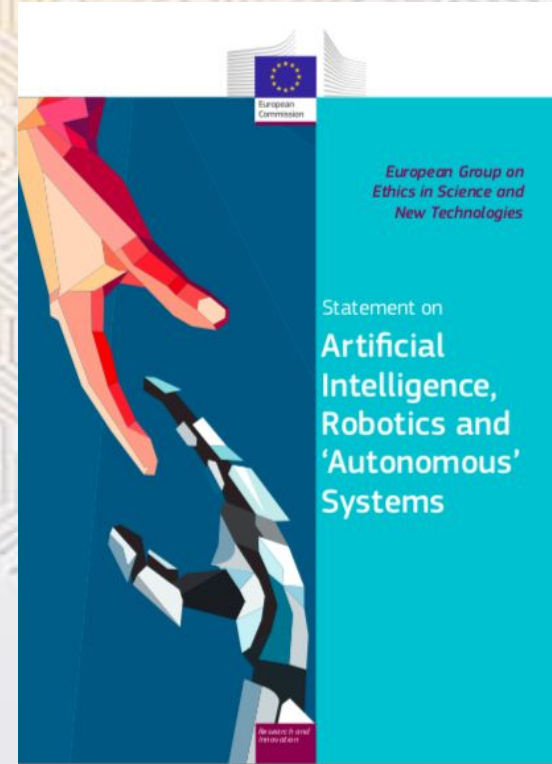
The European Union's way

“The EU must therefore ensure that AI is developed and applied in an appropriate framework which promotes innovation and respect Union's values and fundamental rights as well as ethical principles such as accountability and transparency. The EU is also well placed to lead this debate on the global stage. This is how the EU can make a difference - and be the champion of an approach to AI that benefits people and society as a whole.”

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

The environment: rights and human-centricity

- General Data Protection Regulation (GDPR)
- Artificial intelligence – The consequences of artificial intelligence on the (digital) single market, production, consumption, employment and society’, EESC



Policy and Strategy: collaboration and inclusion

- Digital Day Declaration
- European AI Alliance
- High-Level Expert Group on AI



The current governance approach: Guidelines

“(1) respect fundamental rights, applicable regulation and core principles and values, ensuring an “ethical purpose” and (2) it should be technically robust and reliable since, even with good intentions, a lack of technological mastery can cause unintentional harm.”

The current governance approach: requirement list for Trustworthy AI

- Accountability
- Data governance
- Design for all
- Autonomy
- Non-discrimination
- Safety
- Transparency

The current governance approach: the Coordinated Plan on AI

- Foundation for coordination on AI between European nations
- Key principle identified: “ethics by design”
- Investment into infrastructure; data; skills; startups
- €20bn funding by 2020

Stakeholder involvement

- European Lab for Learning and Intelligent Systems (ELLIS)
- Confederation of Laboratories for Artificial Intelligence Research in Europe (CLAIRE)
- CERN for AI
- Digital Innovation Hubs

Member States

- Research
- Education
- Ethics
- Liability

Summary

- Ethics and fundamental values at forefront
- Human-centric
- Collaboration and not competition

Thank you.

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