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# appliedAI *Institute for Europe*

KI Forum München 2023: Vertrauenswürdige KI  
Dr. Till Klein

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# There is a lot of discussion about the regulation of AI, but where are we heading in Europe?

**Artificial intelligence (AI)**

## 'We are a little bit scared': OpenAI CEO warns of risks of artificial intelligence

Sam Altman stresses need to guard against negative consequences of technology, as company releases new version GPT-4



Edward Helmore in New York

Fri 17 Mar 2023 16:08 GMT

[f](#) [t](#) [e](#)

<https://www.theguardian.com/technology/2023/mar/17/openai-sam-altman-artificial-intelligence-warning-gpt4>

The New York Times

ots > Become an A.I. Expert How Chatbots Work Why Chatbots 'Hallucinate' Testing Google Bard A

## Elon Musk and Others Call for Pause on A.I., Citing 'Profound Risks to Society'

More than 1,000 tech leaders, researchers and others signed an open letter urging a moratorium on the development of the most powerful artificial intelligence systems.

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<https://www.nytimes.com/2023/03/29/technology/ai-artificial-intelligence-musk-risks.html>

GOV.UK

Home > Business and industry > Science and innovation > Artificial intelligence

Press release

## UK unveils world leading approach to innovation in first artificial intelligence white paper to turbocharge growth

Government launches AI white paper to guide the use of artificial intelligence in the UK, to drive responsible innovation and maintain public trust in this revolutionary technology.

From: [Department for Science, Innovation and Technology](#) and [The Rt Hon Michelle Donelan MP](#)

Published 29 March 2023

Last updated 29 March 2023 — [See all updates](#)

<https://www.gov.uk/government/news/uk-unveils-world-leading-approach-to-innovation-in-first-artificial-intelligence-white-paper-to-turbocharge-growth>

Forbes

FORBES > INNOVATION

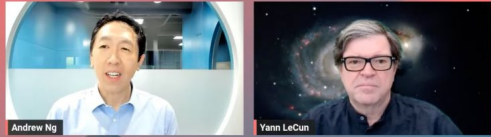
## How To Prepare Faster For Looming AI Regulation: Turn Defense Into Offense

Mark Palmer Forbes Councils Member  
Forbes Technology Council  
COUNCIL POST | Membership (Fee-Based)

Sep 1, 2022, 06:15am EDT

## Titans of AI Andrew Ng and Yann LeCun oppose call for pause on powerful AI systems

DeepLearning.AI Building the AI-powered workforce of tomorrow



Andrew Ng Yann LeCun

POLITICO

Enter keyword

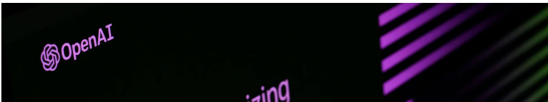
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NEWSLETTERS & PODCASTS

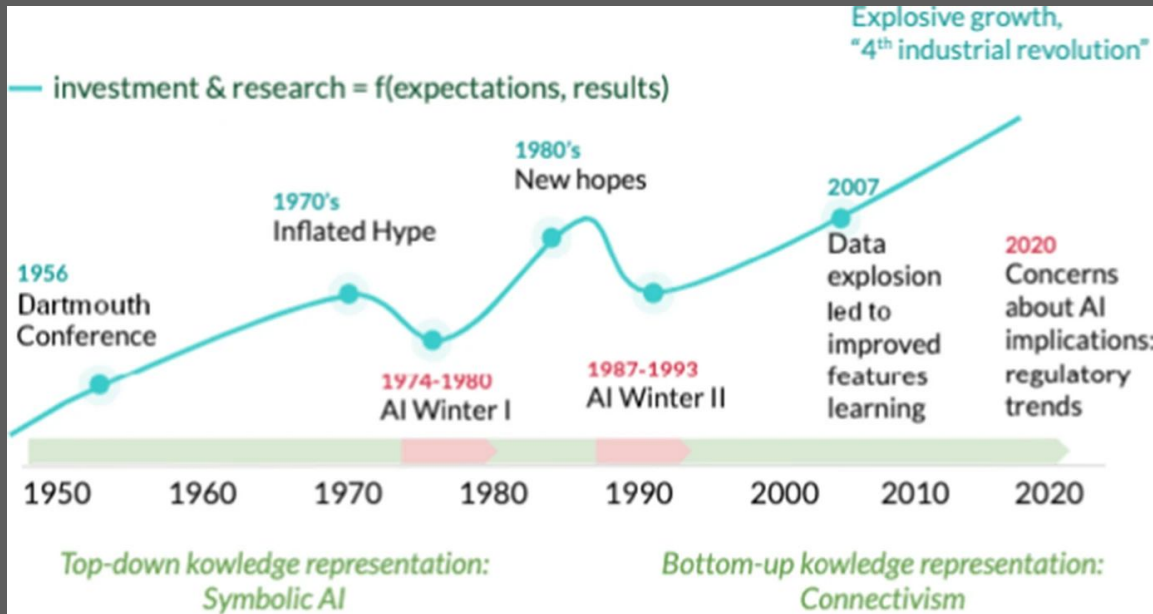
KOLLECTORPRO

## ChatGPT broke the EU plan to regulate AI

Europe's original plan to bring AI under control is no match for the technology's new, shiny chatbot application.



# Breakthroughs in AI/ML have unleashed new technological capabilities

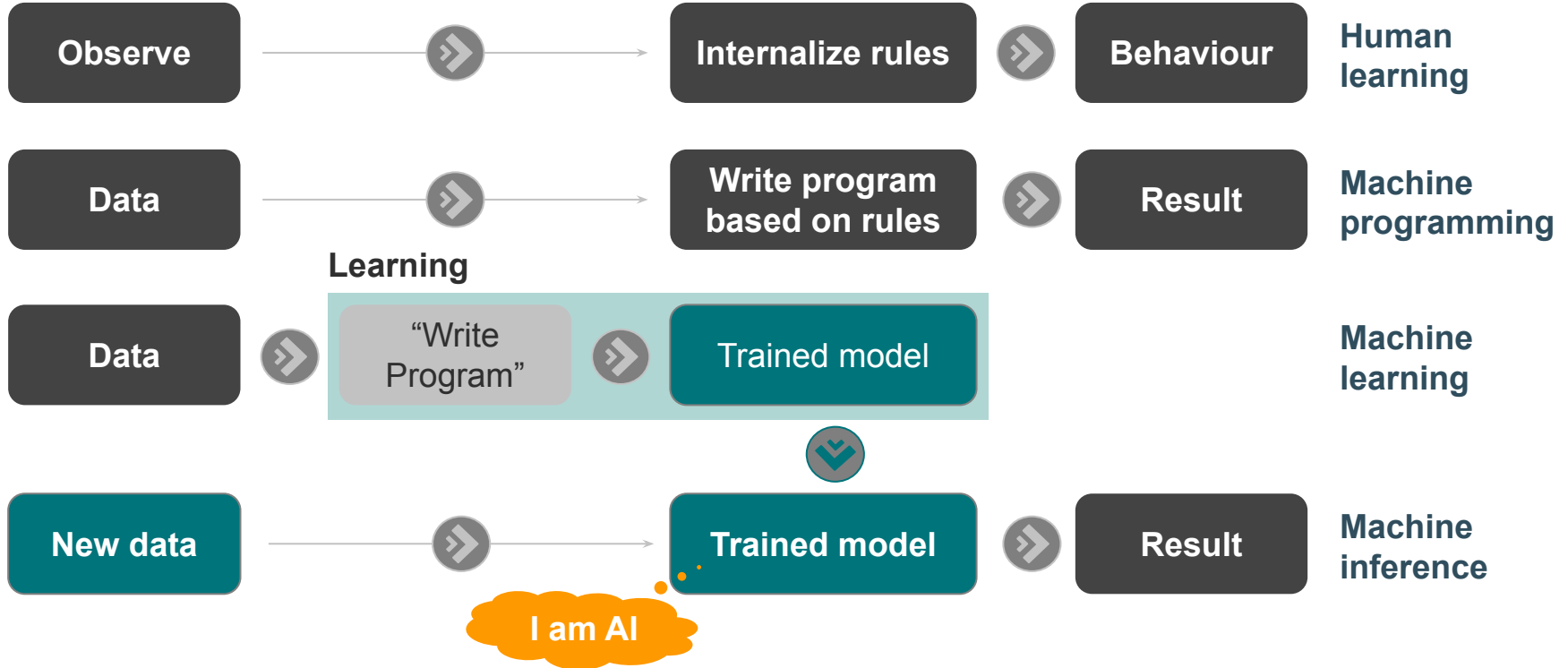


Why did AI come up just now?

Paired with recent developments in:

- More data
- More compute
- Advancements in algorithms

# The disruptive potential comes from the fact that AI is NOT Software



# According to the EU, Trustworthy AI is robust, lawful, and ethical

**2018** Formation of the High-Level Expert Group on AI (52 Experts)

**Ethical guidelines  
for AI  
(7 Principles)**

**2020** Von der Leyen announces legislation for AI within first 100 days

**AI whitepaper**

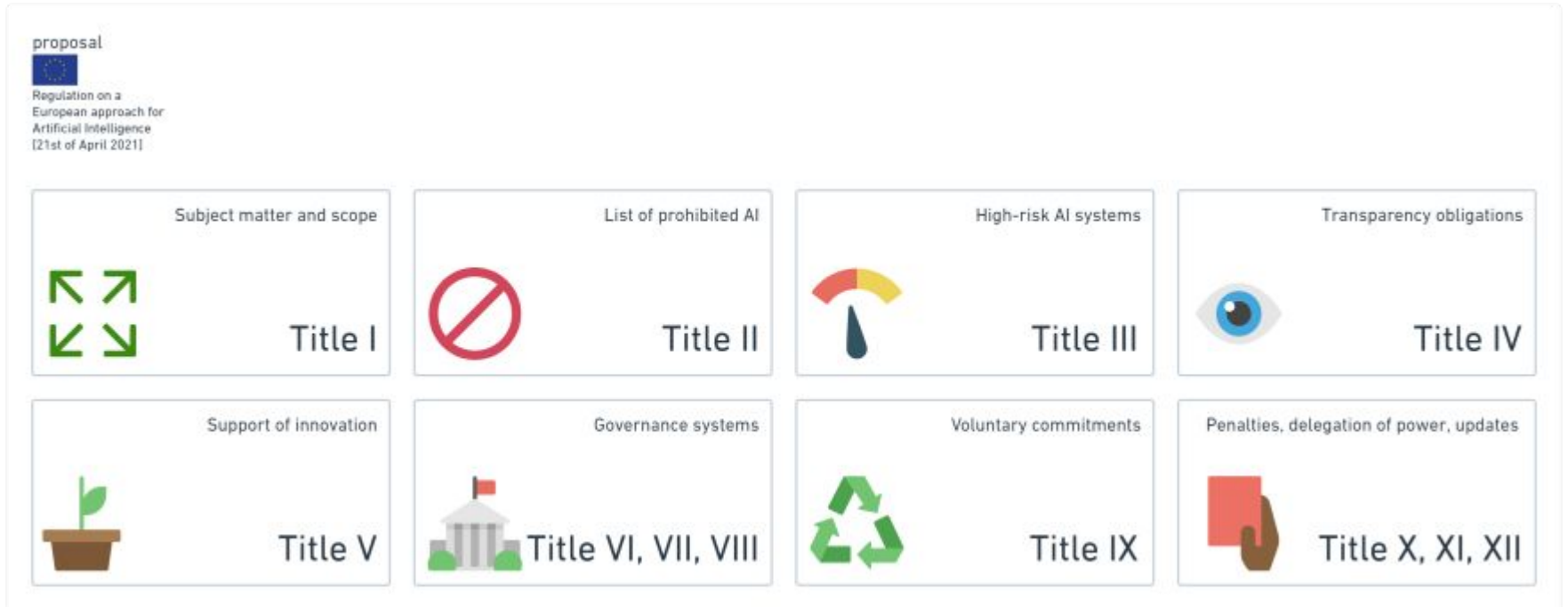
**2021** AI Act proposal by the EU Commission

**AI Act proposal**

**2023** Negotiation phase: EU Parliament & Council develop their positions

**Amendments &  
opinions**

# The AI Act at 1k feet

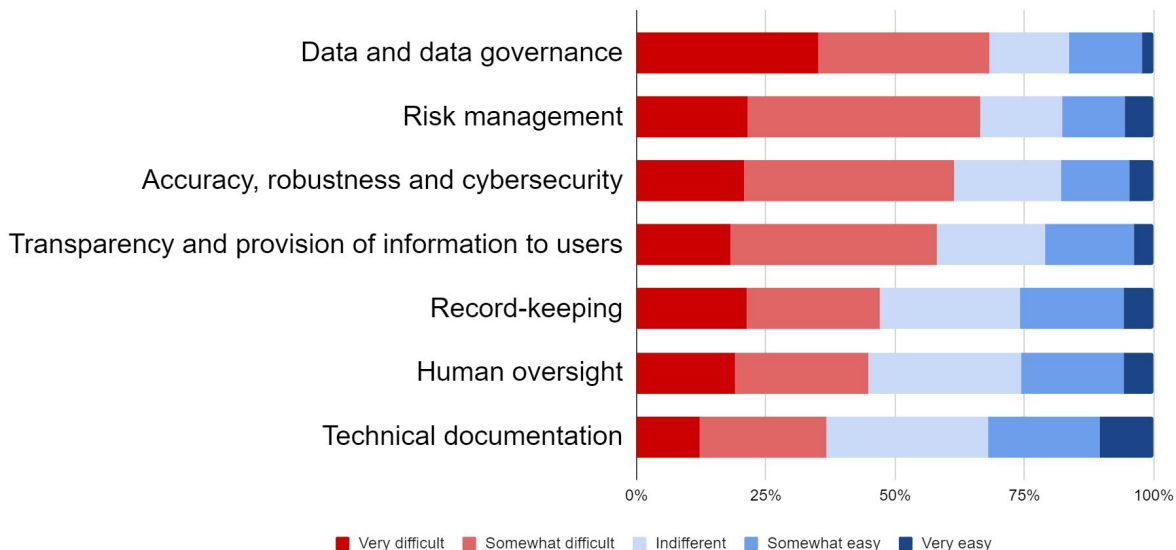


Source: EU Commission - [A \(more\) visual guide to the proposed EU Artificial Intelligence Act](#)

# AI Providers expect an increase of cost and complexity. VCs might shift investments to non-AI or outside the EU.

How easy/difficult are the Requirements for High-Risk AI Systems?

Single choice question



## Other findings

- N = 113 AI Startups
- 33% - 50% of Startups expect they are High Risk
- Cost for compliance is between € k160-330 per High-Risk AI System
- 50% of the Startups expect a slow down, some consider relocation

# Timeline of the AI Act

The publication date is expected to be in the end half of 2023.





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