KI Forum München 2023: Vertrauenswürdige KI
Dr. Till Klein
There is a lot of discussion about the regulation of AI, but where are we heading in Europe?


Edward Helmore In New York
Apr 17 Mar 2023 16:08 GMT

‘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


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.


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.

Forbes

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

Mark Palmer Forbes Councils Member
Forbes Technology Council

Sep 1, 2022, 06:15am EDT

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


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, shinier chatbot application.


@OpenAI
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

**Observe** → **Internalize rules** → **Behaviour**
**Data** → **Write program based on rules** → **Result**
**Data** → **“Write Program”** → **Trained model**
**New data** → **Trained model** → **Result**

- **Human learning**
- **Machine programming**
- **Machine learning**
- **Machine inference**
According to the EU, Trustworthy AI is robust, lawful, and ethical

<table>
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<tr>
<th>Year</th>
<th>Event Description</th>
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<td>2018</td>
<td>Formation of the High-Level Expert Group on AI (52 Experts)</td>
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<td>2020</td>
<td>Von der Leyen announces legislation for AI within first 100 days</td>
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<td>2021</td>
<td>AI Act proposal by the EU Commission</td>
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<td>2023</td>
<td>Negotiation phase: EU Parliament &amp; Council develop their positions</td>
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- **Ethical guidelines for AI (7 Principles)**
- **AI whitepaper**
- **AI Act proposal**
- **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.

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

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

Data and data governance: 50% - 75%
Risk management: 25% - 50%
Accuracy, robustness and cybersecurity: 25% - 75%
Transparency and provision of information to users: 25% - 75%
Record-keeping: 25% - 75%
Human oversight: 25% - 75%
Technical documentation: 25% - 50%

Source: appliedAI - AI Act Impact Survey
Timeline of the AI Act

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