

Future Forum

Artificial Intelligence and (AI) and Sustainable Mobility

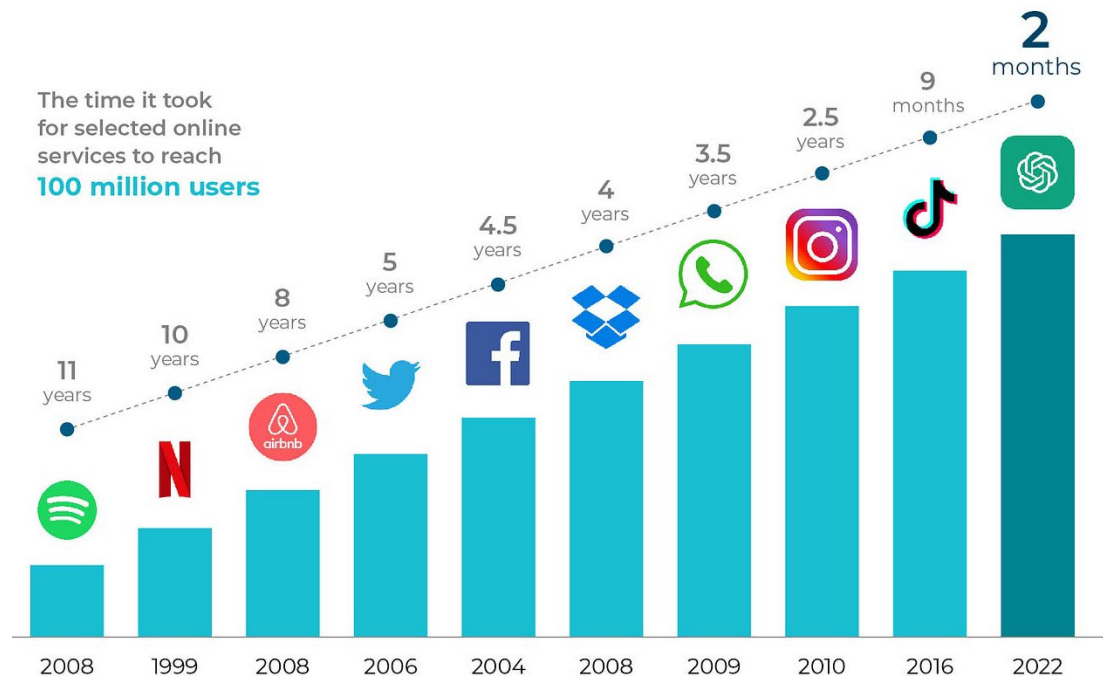
27.09.2023

„Technology is best when it brings people together“

Matt Mullenweg



Chat GPT reached 1 million users in just 5 days after its launch in November 2022 (and 100 million users in just 2 month)



Source: World of Statistics

Technology and AI enables new solutions and business models



Artificial intelligence is not a substitute for human intelligence; it is a tool to amplify human creativity and ingenuity.

FEI- FEI LI



Yuval Noah Harari ✓

@harari_yuval

The danger is that if we invest too much in developing AI and too little in developing human consciousness, the very sophisticated artificial intelligence of computers might only serve to empower the natural stupidity of humans.

Source: Adacor



“Without big data, you are blind and deaf and in the middle of a freeway.”

- Geoffrey Moore



“We’re at the beginning of a golden age of AI. Recent advancements have already led to invention that previously lived in the realm of science fiction — and we’ve only scratched the surface of what’s possible.”

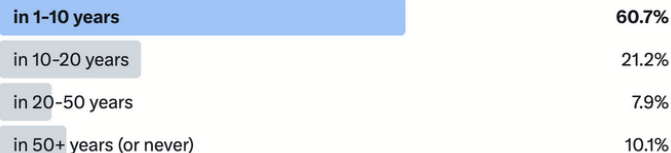
JEFF BEZOS, AMAZON CEO, ON HIS NEW PUBLIC CONFERENCE FOR AI



Lex Fridman ✓

@lexfridman

When will superintelligent general AI (AGI) arrive?



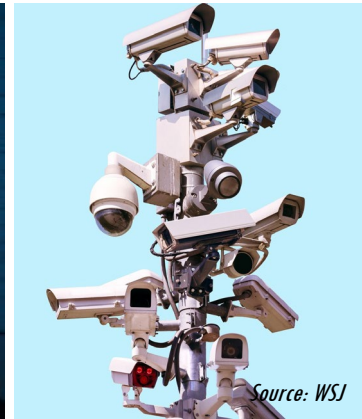
272,888 votes · Final results

7:18 AM · Mar 23, 2023 · 4M Views

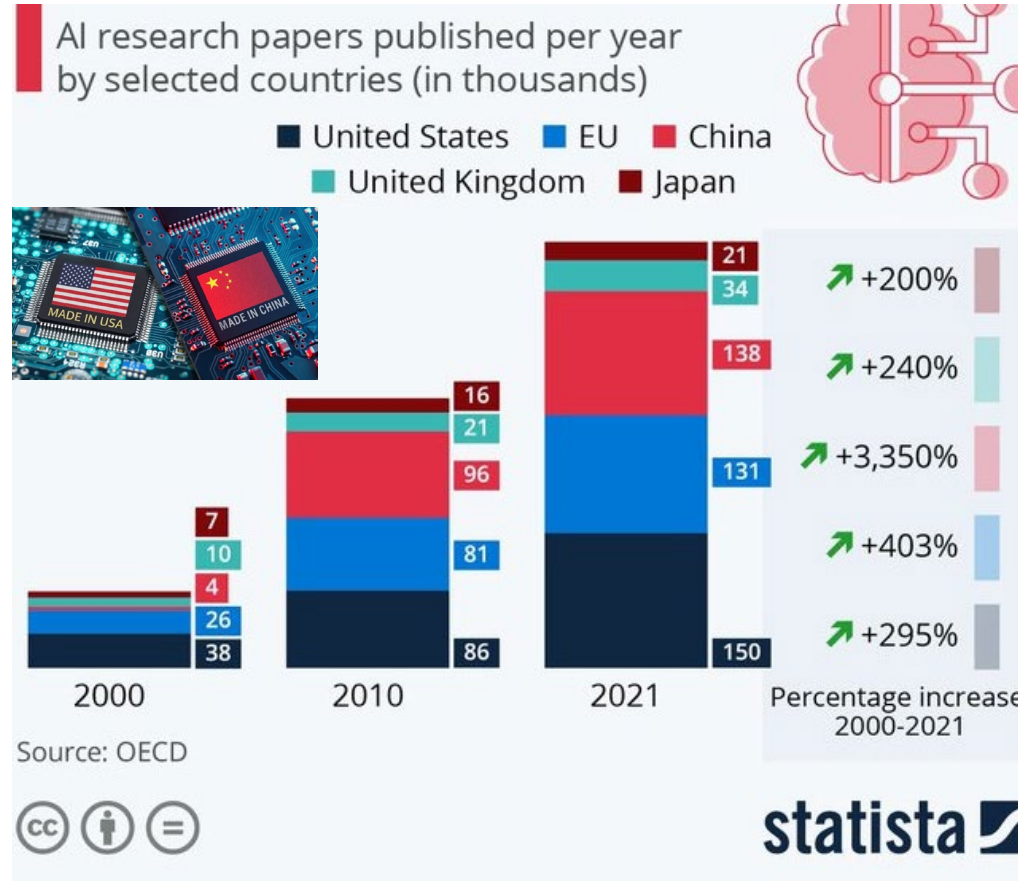
AI (which involves machines trained to perform intelligent tasks) has the potential to **increase productivity** through automation, to facilitate **access to information** or to make **mobility systems** more efficient and more accessible to all people

...

However, AI also poses risks such as the creation of **monopolies** (e.g. tech companies), the disruption of **social norms** and **psycho-social decomposition**, mass **unemployment** or **misinformation** and the promotion of **populism**, and the disintegration of **democracy**



A **global race for dominance in the field of AI** (and the corresponding technologies and business models) has begun ... presenting **opportunities** for cooperation, but also **challenges**.



June 2023: the **European Parliament** voted to approve the **AI Act**, which categorizes AI in three ways: as unacceptable, high and limited risk.

September 2023: Ursula von der Leyen called for a **global panel to assess the risks and benefits of AI**, similarly to the global IPCC panel.

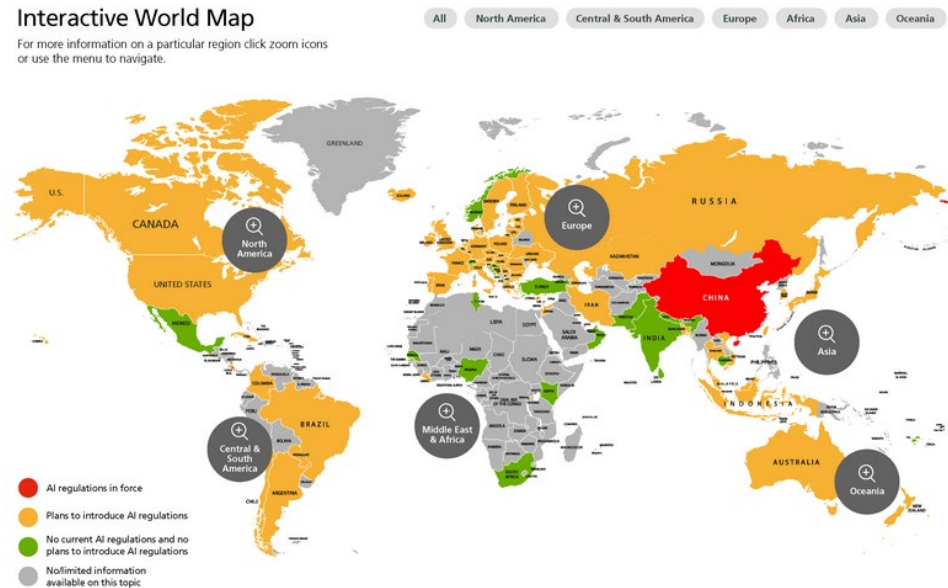
Governments around the world try to figure out how to **guide/steer and regulate AI development** and how to **harness AI's transformative power** in favor of their political, socio-economic interests and needs.

March 2023: **Italy briefly banned ChatGPT**, citing concerns about how and how much user data was being collected by the chatbot.

2022: **Israel** published a draft policy on AI regulation, which describes it as a “**moral and business-oriented compass** for any company, organization or government body involved in the field of AI, emphasizing its focus on “responsible innovation.”

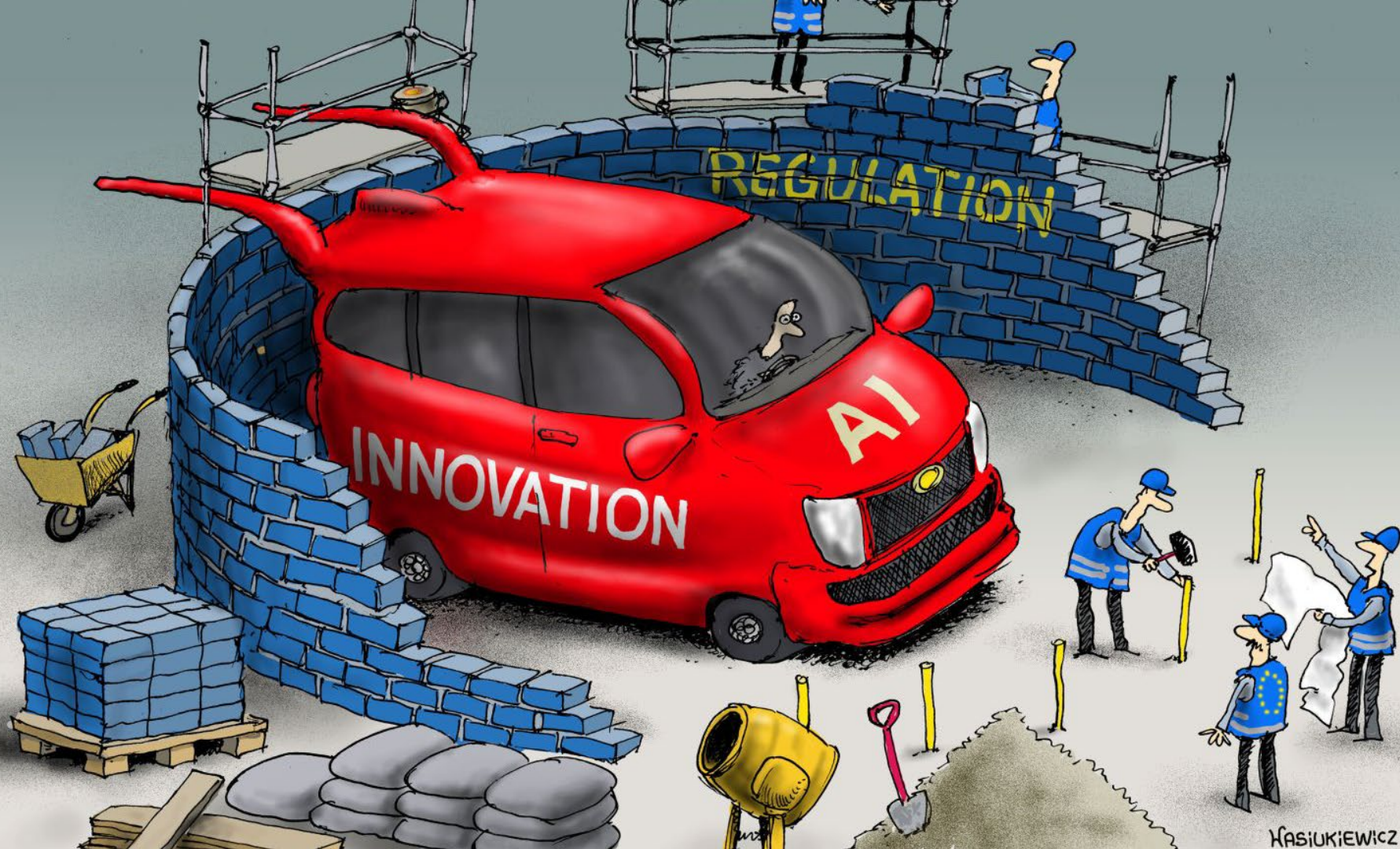
Interactive World Map

For more information on a particular region click zoom icons or use the menu to navigate.



Source: Lewis Silkin

April 2023: **China** published a draft regulation set for generative AI - the draft notes that generative AI must reflect “**Socialist Core Values**.”



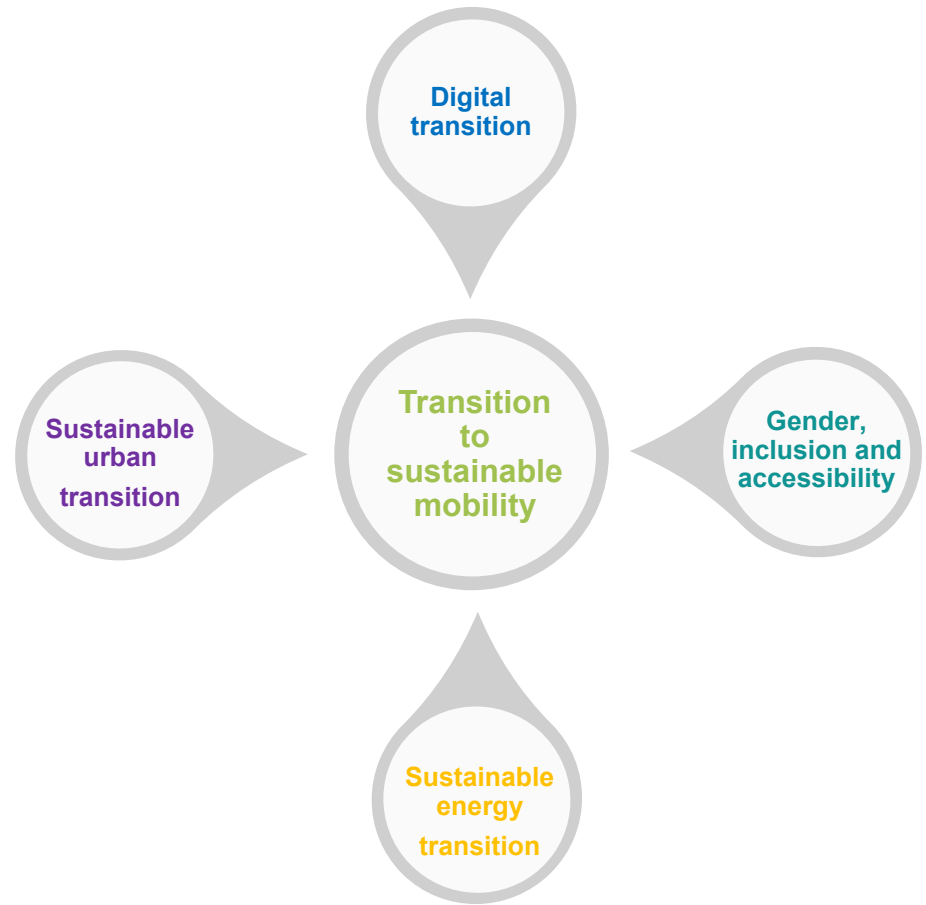
The big question is how to avoid a **global regulation patchwork carpet** and how to instead **harmonize different AI regulation approaches** (not least to shape a global sword against utilization of AI in propagating disinformation and the detrimental effects of AI on human rights).



UN Secretary-General Guterres Supports Proposal
to Form Watchdog to Monitor AI

Source: bnn.network

AI is an important driver for the shift towards sustainable transport and mobility and the **integration of the transport and energy sectors.**



Position Paper

Artificial Intelligence (AI) and Sustainable Mobility

Authors: Sebastian Ibold, Armin Wagner

Contributors: Nishant Bhatnagar, Doren Calliku, Dr. Sebastian Ebert,
Laura Menzel, Eric Stemmler, Gregor Bauer, Safae Amahir

Co-creators: ChatGPT, Bing Chat



Source: DALL-E

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AI – 10 Principles for Sustainable Development

1. Promote **transparency**
2. Ensure **privacy protection**
3. Foster **innovation**
4. Consider **social impacts**
5. Support **environmental sustainability**
6. Promote **economic sustainability**
7. Use **ethical principles**
8. Foster (international) **collaboration**
9. Use **open data and software**
10. Ensure **legal compliance**



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