

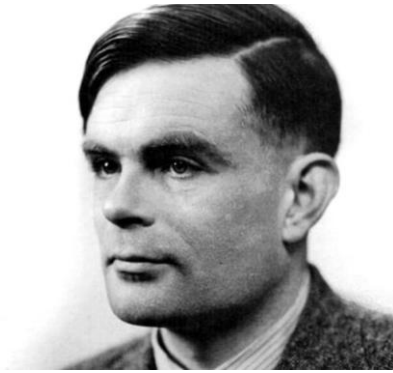
Governing AI for Humanity

FST Meeting

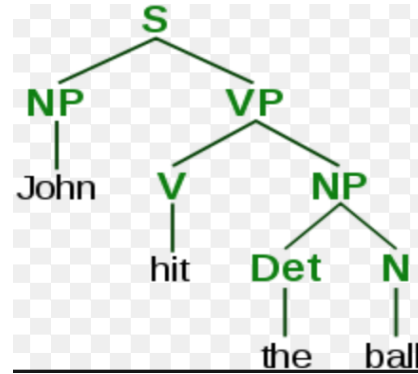
Professor Dame Wendy Hall

January 2025

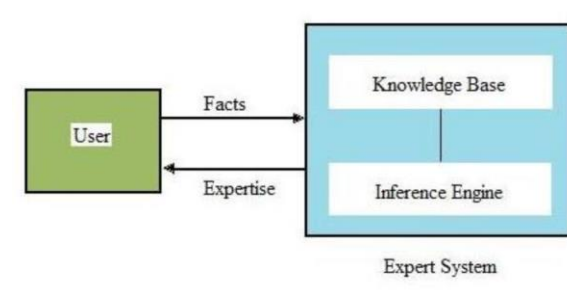
A brief history of AI



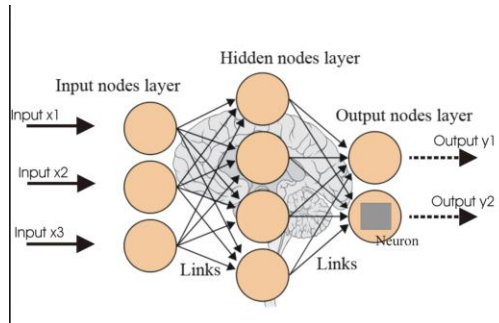
1950's



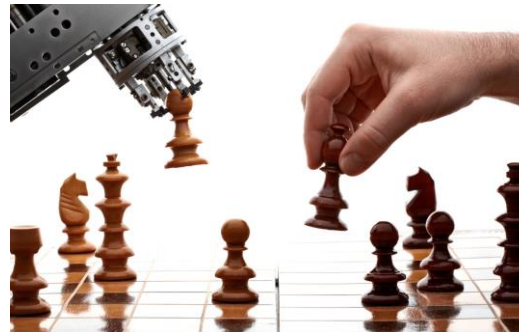
1960's



1970-80's



1980's-90's



1990's-2000's



The Future

[Home](#)

Independent report
Growing the artificial intelligence industry in the UK

From: [Department for Digital, Culture, Media & Sport and Department for Business, Energy & Industrial Strategy](#)
Part of: [Industrial strategy and UK and the Commonwealth](#)
Published: 15 October 2017

This independent review, carried out by Professor Dame Wendy Hall and Jérôme Pesenti reports on how the Artificial Intelligence industry can be grown in the UK.

HM Government

Industrial Strategy

Artificial Intelligence Sector Deal

UK government announces £1 billion AI Sector Deal

The government is pledging £300 million in new spending as part of its wider AI investment drive



AI regulation as part of national strategies

The image is a composite screenshot of a webpage. On the left, a vertical navigation menu lists sections: 1. CONTEXT OF THE PROPOSAL, 2. LEGAL BASIS, SUBSIDIARITY AND PROPORTIONALITY, 3. RESULTS OF EX-POST EVALUATIONS, STAKEHOLDER CONSULTATIONS AND IMPACT ASSESSMENTS, 4. B, IMP, 5. C, 1. FI, PRO, 2. M, MEA, 3. E, IMP, PRO, 1. FI, PRO, 2. M, MEA, 3. E, IMP, PRO.

The main content area features a black banner with the GOV.UK logo. Below it, a breadcrumb trail reads: Home > Business and industry > Science and innovation > Artificial intelligence. The main heading is "Guidance National AI Strategy". A video player shows a woman in a blue EU flag mask and a man in a dark suit. A red overlay on the video reads: "TECHTANK The EU and U.S. are starting to align on AI regulation From Inte Bus Pub Last Alex Engler · Tuesday, February 1, 2022". Below the video, a paragraph begins: "A range of regulatory changes and new hires from the Biden administration signals a more proactive stance by the federal government towards artificial intelligence (AI) regulation, which brings the U.S. closer to that of the European Union (EU).".

On the right, a blue banner for the Cyberspace Administration of China (CAC) is visible, with the text "中华人民共和国国家互联网信息办公室" and "Cyberspace Administration of China". Below this, a search bar contains the text "请输入检索关键词". A navigation menu includes: Internet international local Law Policies and interaction Education Industry Work Topic broadcast exchange network enforcement regulations center and training News. Two QR codes are present, with labels "Wechat QR code" and "Scan the code to enter the mobile version".

The rise of the large language model



Alberto Romero

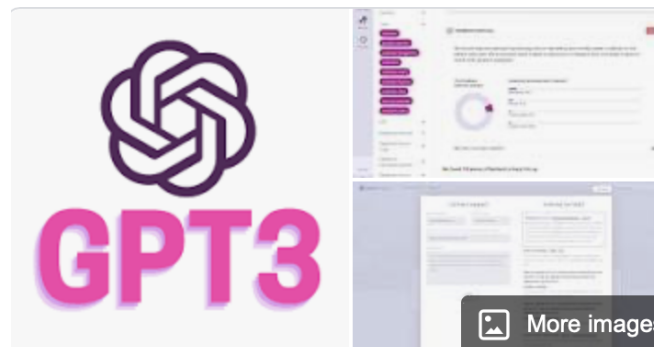
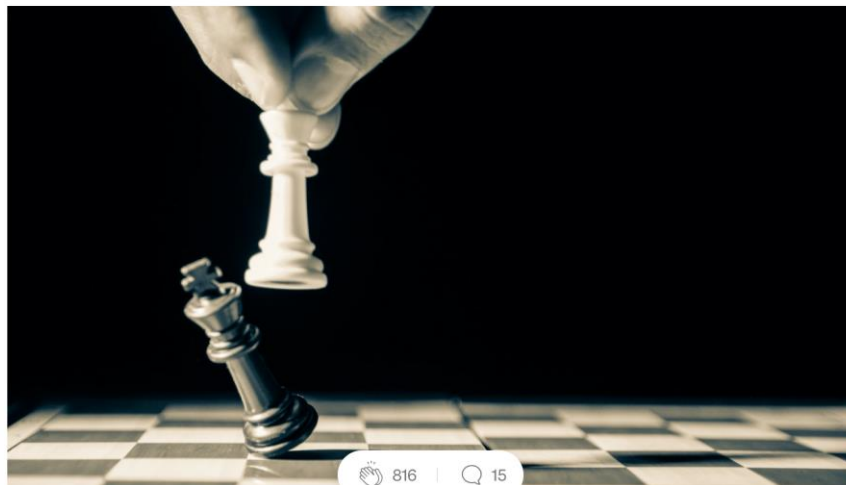
Jun 6, 2021 · 6 min read · Listen



ARTIFICIAL INTELLIGENCE

GPT-3 Scared You? Meet Wu Dao 2.0: A Monster of 1.75 Trillion Parameters

Wu Dao 2.0 is 10x larger than GPT-3. Imagine what it can do.



GPT-3



Generative Pre-trained Transformer 3 is an autoregressive language model that uses deep learning to produce human-like text. It is the third-generation language prediction model in the GPT-n series created by OpenAI, a San Francisco-based artificial intelligence research laboratory. [Wikipedia](#)

Original author(s): [OpenAI](#)

Release date



GPT-3, released in **May 2020**, has 175 billion parameters. The third generation in the GPT-n series uses deep learning to produce human-like text.

21 Apr 2022

[Home](#) > [Business and industry](#) > [Science and innovation](#) > [Artificial intelligence](#) > [AI regulation: a pro-innovation approach](#)



[Department for
Science, Innovation
& Technology](#)



[Office for Artificial
Intelligence](#)

Policy paper

A pro-innovation approach to AI regulation

Published 29 March 2023

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[Executive summary](#)

[Part 1: Introduction](#)

[Part 2: The current regulatory environment](#)

[Part 3: An innovative and iterative approach](#)

Presented to Parliament by the Secretary of State for Science, Innovation and Technology by Command of His Majesty on 29 March 2023.

Command Paper Number: 815

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ISBN: 978-1-5286-4009-1

Contents

- Statement
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- Sign the statement

Mitigating the risk of extinction from AI should be a global priority alongside other societal-scale risks such as pandemics and nuclear war.

Signatories:

- AI Scientists
- Other Notable Figures

Geoffrey Hinton
Emeritus Professor of Computer Science, University of Toronto

Yoshua Bengio
Professor of Computer Science, U. Montreal / Mila

Demis Hassabis
CEO, Google DeepMind

Sam Altman
CEO, OpenAI

Dario Amodei
CEO, Anthropic

AI poses existential threat and risk to health of millions, experts warn

BMJ Global Health article calls for halt to 'development of self-improving artificial general intelligence' until regulation in place

NEWS

Home Cost of Living War in Ukraine Coronation Climate UK World Business Politics Culture

World Africa Asia Australia Europe Latin America Middle East US & Canada

AI 'godfather' Geoffrey Hinton warns of dangers as he quits Google

2 May Comments



ARTIFICIAL INTELLIGENCE

How existential risk became the biggest meme in AI

"Ghost stories are contagious."

By Will Douglas Heaven

June 19, 2023

Press release

UK to host first global summit on Artificial Intelligence

As the world grapples with the challenges and opportunities presented by the rapid advancement of Artificial Intelligence, the UK will host the first major global summit on AI safety.

From: [Prime Minister's Office, 10 Downing Street](#) and [The Rt Hon Rishi Sunak MP](#)

Published 7 June 2023



• Bvhm

News > UK > UK Politics

AI could 'kill many humans' within two years, warns Sunak adviser

Stark warning comes as Rishi Sunak prepares to persuade Joe Biden of 'grand plan' to control artificial intelligence

Adam Forrest Political Correspondent, [Kate Devlin](#) • Tuesday 06 June 2023 17:06

• [88](#) Comments



Tech entrepreneur Ian Hogarth to lead UK's AI Foundation Model Taskforce

Artificial intelligence expert announced as chair of government's Foundation Model Taskforce.

18th June 2023



China / Diplomacy

Belt and road forum: China launches AI framework, urging equal rights and opportunities for all nations

- The Global AI Governance Initiative was announced a day after the latest US ban seeking to restrict China's access to advanced chips and chipmaking tools
- China says it opposes countries using AI tech for 'manipulating public opinion, spreading disinformation, intervening in other countries' internal affairs'



Dewey Sim

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Published: 4:25pm, 18 Oct, 2023

Why you can trust SCMP





United Nations

AI Advisory Body

High-level Advisory Body on Artificial Intelligence

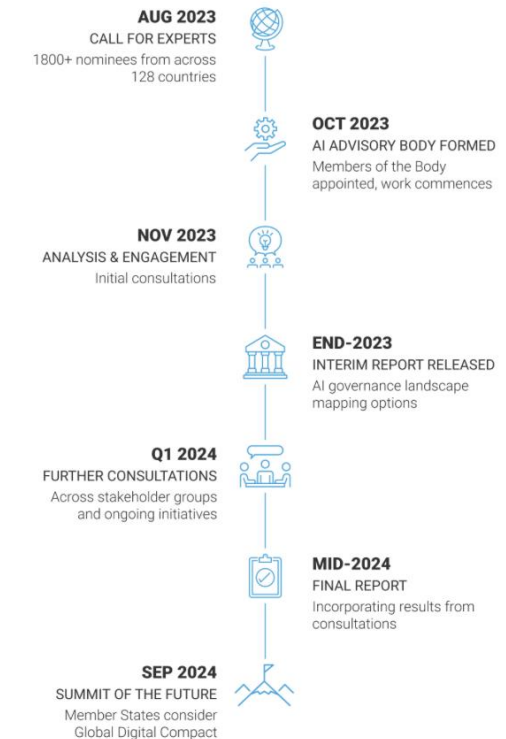
- **The Global AI Imperative**

Globally coordinated AI governance is the only way to harness AI for humanity, while addressing its risks and uncertainties, as AI-related applications, algorithms, computing capacity and expertise become more widespread internationally.

- **The UN's Response**

To foster a globally inclusive approach, the UN Secretary-General is convening a multi-stakeholder High-level Advisory Body on AI to undertake analysis and advance recommendations for the international governance of AI.

ROADMAP – TOWARDS GLOBALLY INCLUSIVE AI GOVERNANCE OPTIONS



Sunak announces UK AI safety institute but declines to support moratorium

PM says institute will test new types of AI for range of risks but says pause in developing powerful models is not feasible

● [UK politics live - latest updates](#)

Dan Milmo *Global technology editor*

Thu 26 Oct 2023 08:10 EDT



THE WHITE HOUSE



[Administration](#) [Priorities](#) [The Record](#) [Briefing Room](#)

OCTOBER 30, 2023

FACT SHEET: President Biden Issues Executive Order on Safe, Secure, and Trustworthy Artificial Intelligence

> [BRIEFING ROOM](#) > [STATEMENTS AND RELEASES](#)

Today, President Biden is issuing a landmark Executive Order to ensure that America leads the way in seizing the promise and managing the risks of artificial intelligence (AI). The Executive Order establishes new standards for AI safety and security, protects Americans' privacy, advances equity and civil rights, stands up for consumers and workers, promotes innovation and competition, advances American leadership around the world, and more.

As part of the Biden-Harris Administration's comprehensive strategy for responsible innovation, the Executive Order builds on previous actions the President has taken, including work that led to voluntary commitments from 15 leading companies to drive safe, secure, and trustworthy development of AI.

Rishi Sunak said that a moratorium on AI development would be "misinformation, t...". Rishi Sunak has declined to support a moratorium on AI technology.

United Nations AI Advisory Body

UN Secretary-General's High-level Advisory Body on Artificial Intelligence Releases Proposals for Global Governance of AI

New York, NY, September 19, 2024 – The United Nations Secretary-General's High-level Advisory Body on Artificial Intelligence (HLAB-AI) released its final report "[Governing AI for Humanity](#)" today. It builds on months of extensive global consultations and the publication of an [interim report](#) in December 2023. The uniquely diverse Advisory Body is the world's first and most representative expert group capable of reflecting humanity's aspirations for AI.

