

HUMANS IN CHARGE -

Steering the Al Age Responsibly

02/10/2023



Adrián González Sánchez Microsoft

Public-Private Collaboration Approaches for Responsible Al Knowledge Transfer

Microsoft RAI, Modern AI, and the role of AI Sandboxes

02/10/2023





The New Era of Al

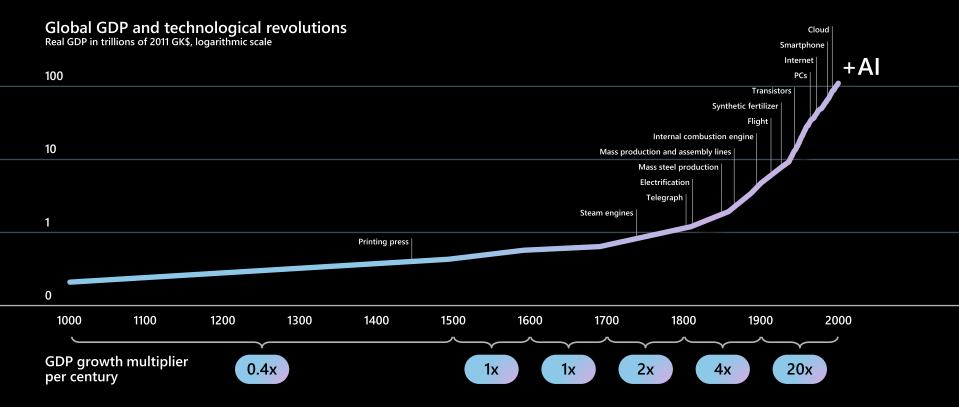




Die Gutenberg-Presse im Deutschen Bibliographischen Museum zu Dresden.

Technology drives GDP growth, and the pace of change is accelerating

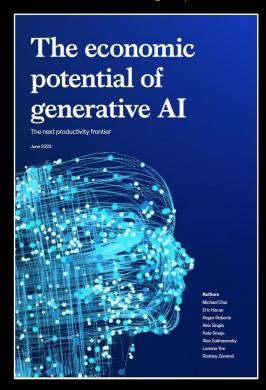




Source: Maddison Project, Ourworldindata



McKinsey & Company



- Generative Al's impact on productivity could add up to \$4.4
 trillion annually in value to the global economy.
- About 75% of the value that generative Al use cases could deliver falls across customer operations, marketing, sales, software engineering, and R&D.
- Generative AI can revolutionize work by automating a significant portion of employees' activities, up to 60-70% of their current workload. This augmentation of individual capabilities has the potential to transform the way we work.
- Generative Al is expected to have \$ 250-410 billions economic impact on banking and insurance, accounting for 1-1.6% of total industry revenue.







A brief history of Al

Artificial Intelligence

Machine Learning

Deep Learning

Generative Al

1950s

Artificial Intelligence

the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence.

1959

Machine Learning

subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions.

2017

Deep Learning

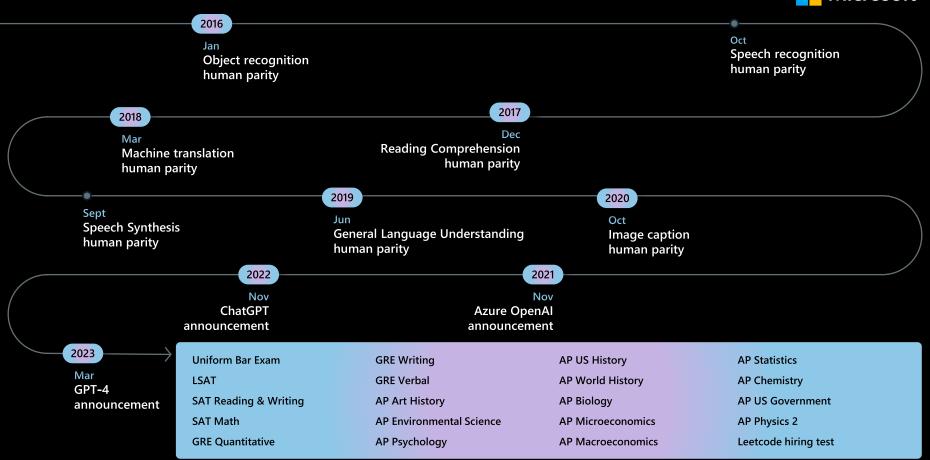
a machine learning technique in which layers of neural networks are used to process data and make decisions.

2021

Generative AI

create new written, visual, and auditory content given prompts or existing data.







Why is **Generative Al** different?

Traditional Models

(one model per capability)



New Foundation Models

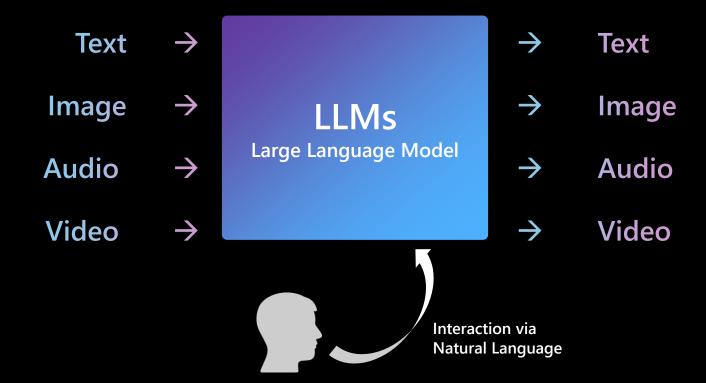
(one single model for everything)

Sentiment
Intent recognition
Entities extraction
Summarization
Questions & Answers
Style transfer
Rewriting
Code generation

...

Why is **Generative Al** different?









The Microsoft Approach



Microsoft's Approach to Al

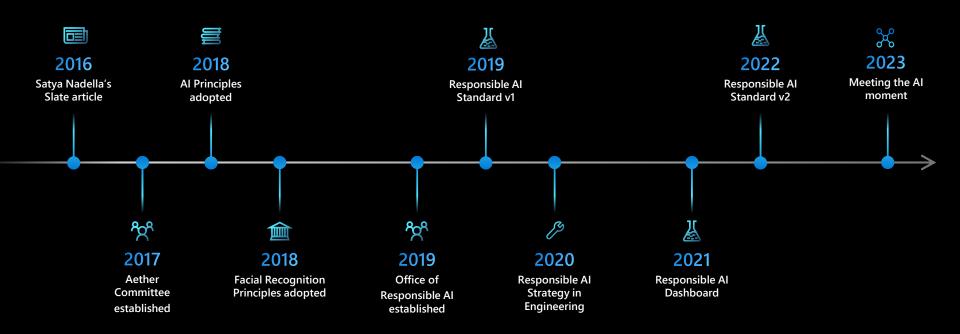




We have made huge investments in Al because we're optimistic about what it can do to help people, industry and society, and because we're committed to bringing technology and people together to realize the promises of Al responsibly.



Our Responsible Al journey



Microsoft

Microsoft's Approach to Al



Al is built and used responsibly and ethically



Al advances international competitiveness and national security



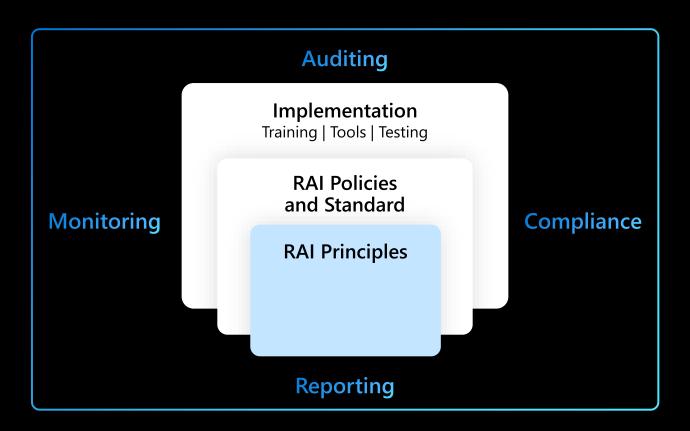
Al serves society broadly, not narrowly





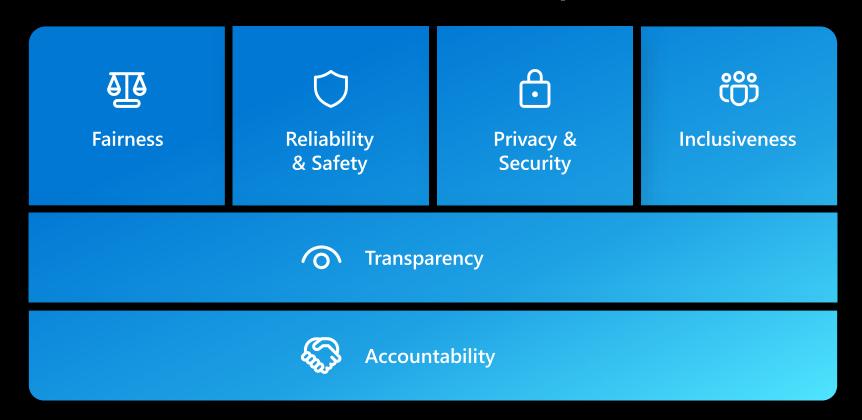


Responsible Al Governance Framework





Microsoft's Al Principles





Tools: Responsible AI Standard & Others



Records

our practice of **Responsible AI by Design** – the proactive ways in which we guide the design, build, and testing of AI systems.



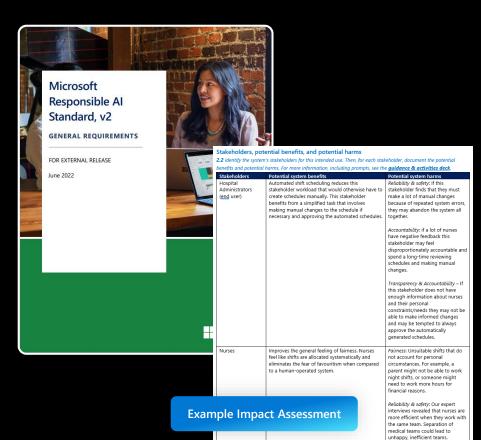
Establishes

a durable framework for the maturing practice of responsible Al and evolving regulatory requirements.



Reflects

our deeper exploration of what our six Al principles mean and the steps we must taken to uphold them.





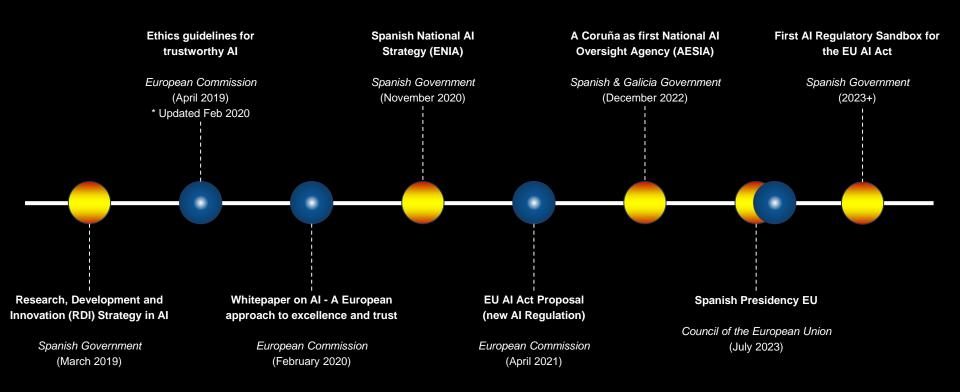


The Opportunity





The EU-Spain Case





AI Sandboxes

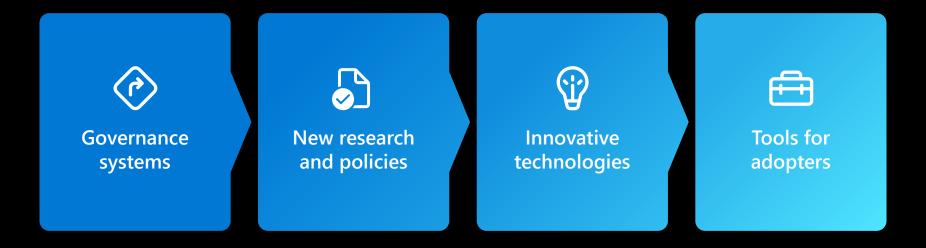
The opportunity for public-private collaboration



- An Al sandbox to enable adopter and provider companies to implement the EU Al Act measures
- The Spanish Al Sandbox as a replicable model for implementation in Hungary
- The upcoming Hungarian presidency of the Council of the EU as an opportunity to leverage this approach
- A unique moment for governments and companies to collaborate and work together



Let's work together!



aka.ms/ResponsibleAIResources

