Un Café con EY

Nuestra visión y estrategia de la Inteligencia Artificial Responsable (IAR)

October 2023

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Building a better working world

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Our team today



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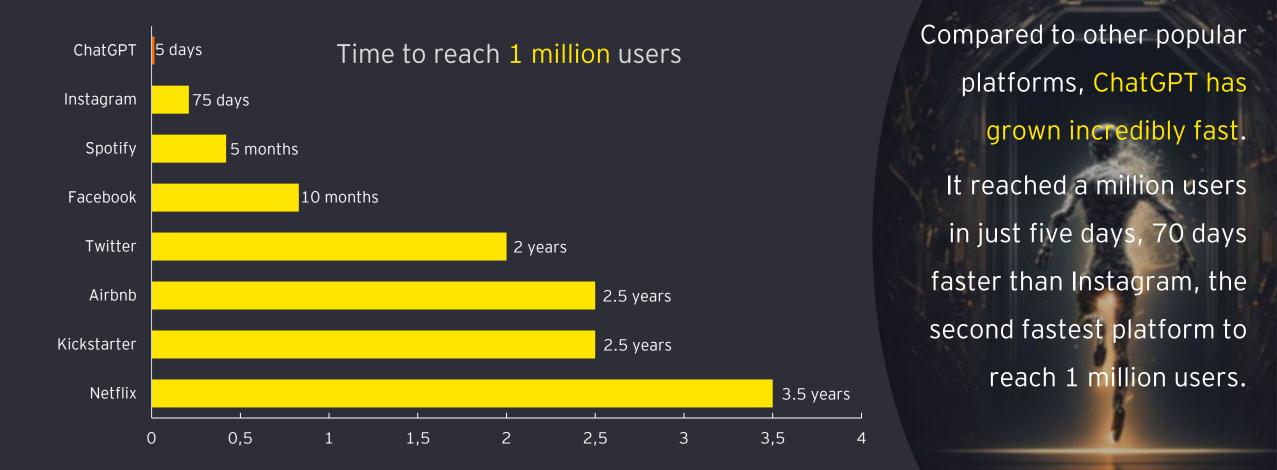
3 EY market leading response



Introduction to AI and Generative AI



ChatGPT adoption path broke previous records, and it has made AI -and specially Gen-AI- very popular and a hot trending topic



ChatGPT is the fastest growing consumer application to date, reaching 100M users in <2 months (faster than Instagram, Twitter, Snapchat...)

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What is Generative Artificial Intelligence – also called Generative AI or Gen-AI?

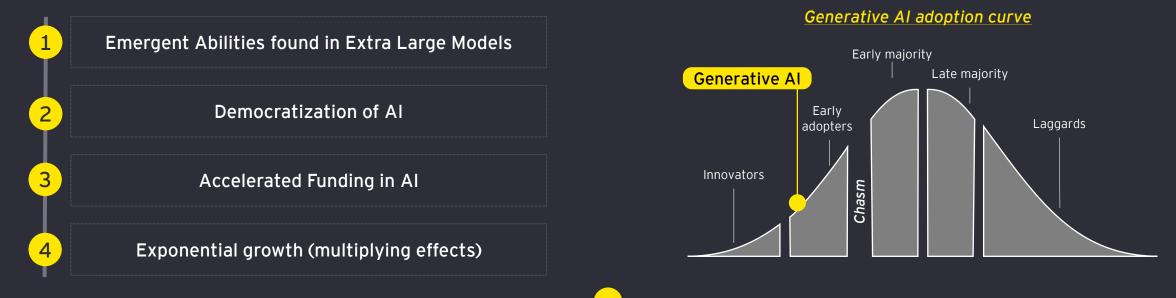
Artificial Intelligence		Technology appearance
Al, or artificial intelligence, is a field of computer science that focuses on creating intelligent machines capable of tasks requiring human intelligence, capable of reproducing or surpassing human intelligence.	Artificial Intelligence	1943
Machine Learning Machine learning is a subfield of artificial intelligence, broadly defined as	Machine Learning	1959
the capability of a machine to imitate intelligent human behaviour, learning from existing data and enhancing it to make decisions or predictions.	Deep	
Deep Learning Deep learning is a subset of machine learning, which is essentially a neural network with three or more layers.	Learning	2006
Generative AI Generative AI is a type of artificial intelligence that can create new content such as images, text, audio, or video based on the data it has been trained on, using techniques like large language models, transformer neural networks, and generative adversarial networks	Generative Al	2017

Market perspectives and opportunities



Gen-AI is not a hype; it is driving the fastest ever market transformation

What makes it different this time? Key trends in Gen-Al



- All major and niche tech and solution providers are progressively investing in Research & Development (R&D) activities and launching their own generative AI technologies, solutions and tools...
 - ... for both Gen-Al and "traditional" Al
- Many companies are exploring AI based used cases and testing internally different concepts
- There has been a "boom" of new projects and start-ups working on new products, services and business models
- As a result, some industries and sectors will be dramatically disrupted

Acceleration has been amazing these last months... and it will still speed up!



Generative-AI technologies are about to flood the market in the coming years, growing above the rest of AI categories

Global AI market size projections by category (B USD) CAGR



Other expected growth indicators for AI



PitchBook estimates the market for Enterprise AI applications alone will rise to \$98B in 2026 from \$40B this year



Venture Capital investment in Generative AI is up 425% as of late 2022 and continuing to surge.

 Other more optimistic Generative AI market size projections point at growth rates of ~ 30%-35% CAGR

These growth expectations will be influenced by some threats and trends to consider

Threats and restraints

- Lack of skilled personnel
- Control limitations
- Security concerns
- Data privacy and data property concerns
- Regulations: labour and tax
- Unrealistic expectations
- Economic downturn, impacting funding and investments

Other trends to consider

- "Do it yourself": +300% small IA products from "garage" or "basement" companies vs. -69% new start-ups in AI in 2023 vs 2022
- 83% of 2023 start-ups with less than 10 people
- Macro slowing down: global investments reducing by 43% and AI by 49% in 1Q 2023
- Funding of AI decreasing:
 - 49% less start-ups backed-up by investors during 1Q 2023
 - Start-ups funding expected to shrink by 38% at the end of 2023
- Giant tech companies integrating AI, increasing their market value by +3,5% and improving results
- M&A in AI sector slowing-down, decreasing by 23% in 1Q 2023

In addition, AI technologies, yet so promising and powerful, present some limitations and challenges

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	QUALITY OF GENERATED OUTPUTS	BIAS & FAIRNESS	COMPUTATIONAL REQUIREMENTS
nerative AI is a werful technology that s the capacity to rupt financial services, d all sectors in general. yond causing estions related to the	The generated outputs of Generative AI systems may contain errors or artifacts. This can be due to a lack of data, a poor training, or an overly complex model	Generative AI systems can inadvertently replicate biases present in the training data. This can lead to discriminatory or unfair results	Generative AI systems require large amounts of data and computational resources. This can be expensive, time-consuming and cause ecological issues, which can be a barrier to entry for some organizations
man vs Machine	COST & PRICING MODEL	LEGAL ISSUES	PRIVACY & SECURITY
itations and allenges that need to addressed to ensure effectiveness and ety of generative AI tems.	Beyond the high development costs of Generative AI systems, it can be difficult to determine the value of the outputs generated and therefore develop pricing and cost models that accurately reflect the value provided to customers	Generative AI raises legal issues, such as copyright infringement, intellectual property of the generated content, or liability if AI-generated content causes harm or violates the law	Generative AI systems may be vulnerable to cyberattacks, which can compromise the security and privacy of the data used to train these algorithms that may contain sensitive information about individuals or the generated content itself

Today, despite the initial enthusiasm, there is still a gap in adopting Gen-Al solutions at scale, with most companies still testing small pilots

Very high and unrealistic expectations	 Too high expectations have led to some disappointing tests and results, and gaps between reality and plans
Wrong assumptions and understanding of technology	 Gen-AI models neither learn nor can be trained (except for the models' developers and own- self-learning algorithm)
'If all you have is a hammer, everything looks like a nail'	 LLMs are excellent for languages (voice, text) but poor for numbers and worse for calculations Other AI technologies or solutions are better than Gen-AI or can be added to expand the reach of Gen-AI
Poor access and quality of data	• Al and Gen-Al use data. If data quality is poor or access is limited, results will be bad.
	 AI and Gen-AI use data. If data quality is poor or access is limited, results will be bad. Democratization of access to Gen-AI technologies has facilitated demos and POCs. However, expertise in cognitive and conversational processes, as well as the technical stack, modules and services, are very convenient

The market is transitioning from ideas and concepts, to implementation and execution initiatives

EY

EY Spain is prepared to tackle these opportunities and is working on them; new things are coming!

EY strengths

- Real valuable credentials in AI, with great results...
- ... and a solid track record in large transformation projects
- Recognized technical capabilities
- Leaders in AI in most analysts' panels and quadrants
- Great expertise in AI in Consulting and in the Wavespace
 - However, disconnected teams and lack of alignment
- Madrid Wavespace appointed as Global EY Center of Excellence in AI
- Madrid Wavespace appointed as Microsoft Center of Excellence for Microsoft (strategic partner)
- The Global Leader (Beatriz Sanz) of AI in EY is located in Madrid

Initiatives in progress

- Global positioning and communication plan
- EY Spain positioning and communication plan
- Mapping of technical capabilities and credentials (scattered throughout the Firm)
- Increasing collaboration among different business units
 - Working model still with a lot of room for improvement
- Strong pipeline and demand from clients
- Plan to increase bandwidth and capabilities
 - Hiring
 - Training and conversion of technical / data scientists' profiles

EY leading market response



EY.ai media coverage



EY.ai has just been launched !!!

EY.ai

People

Multi-disciplinary expertise

Ecosystem

Holistic insights & research

Technology

Al-embedded services and solution

Underpinned by foundational elements

EY.ai Value Accelerator

EY.ai Maturity Model

EY.ai Confidence Index



EY.ai program structure

Transforming clients

- **1**. Winning in the market
- 2. Al powered solutions
- 3. AI Ecosystem Strategy

Transforming EY

- **1**. Functions reimagine
- 2. Employee experience
- **3**. Tech Transformation

Transforming the world

- **1**. Public Policy
- 2. Confidence Index
- **3**. Ethics

BMC, Enablement, Learning

Measures of success

Service Delivery reimagined

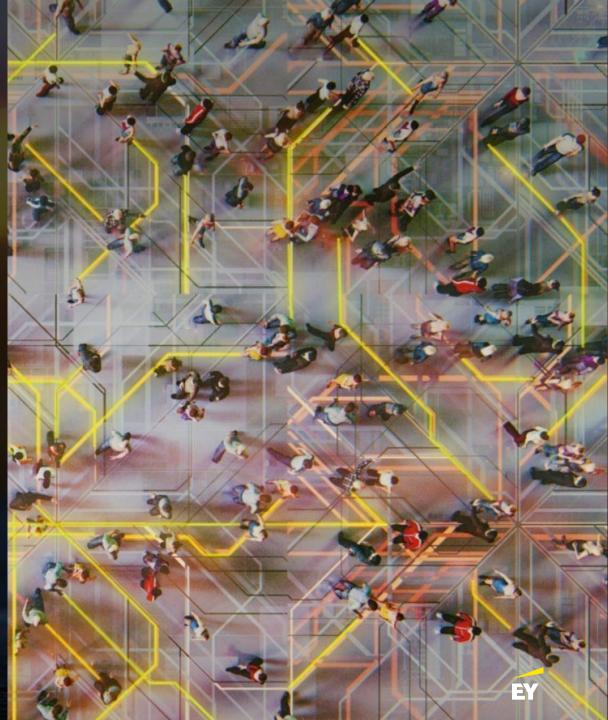
Employee experience augmentation

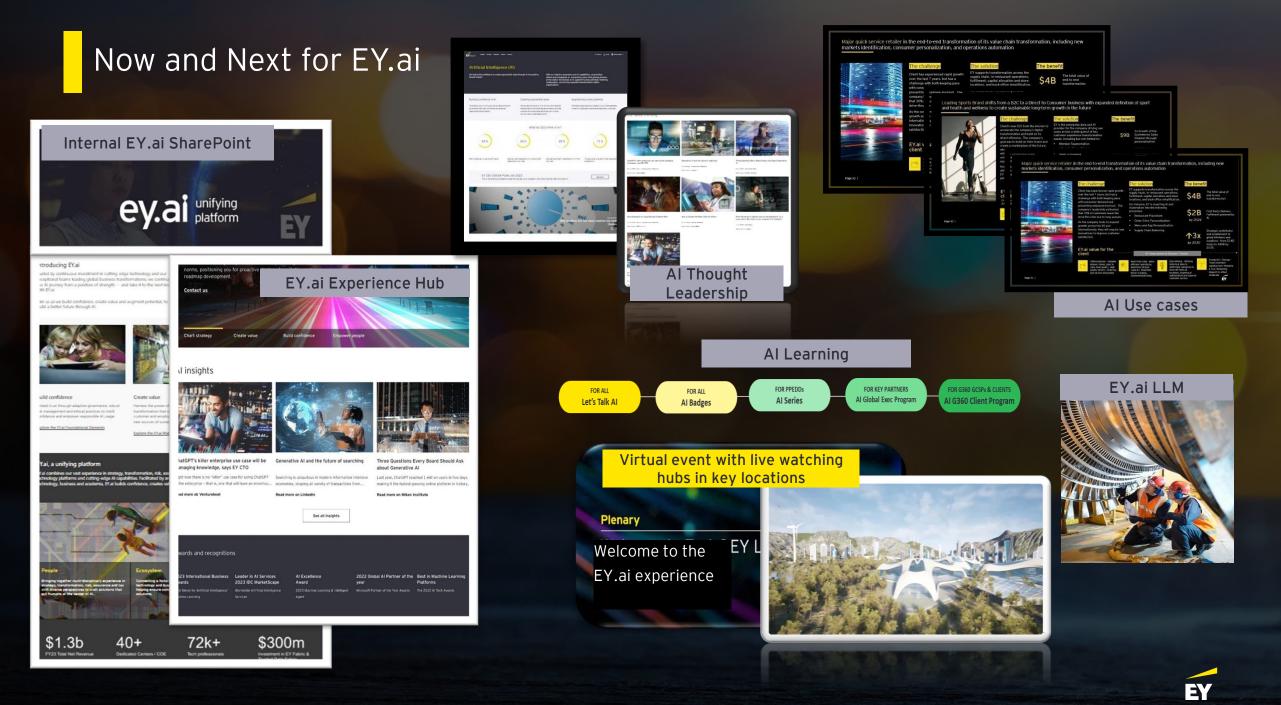
Leading

POVs per Industry

> Al powered Functions

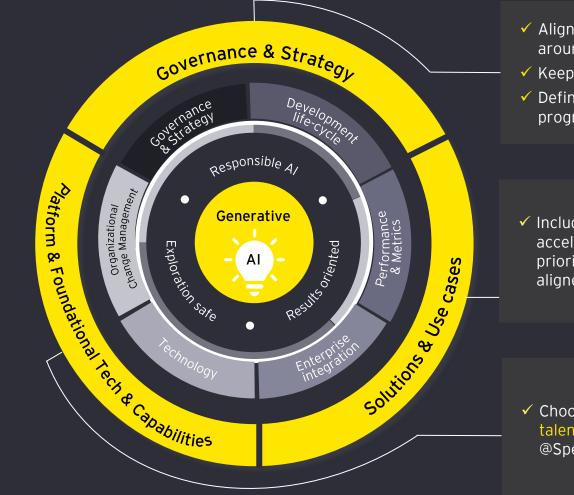
Thought leader in public policy





Light up GenAI: our value proposition EY's framework to help our clients adopt trustworthily Generative AI @scale and @speed

Synchronized with global EY.ai unified platform



- Align Strategy and define Governance around GenAl.
- Keep it flexible and risk-basked.
- Define and implement transformation programs.

Include sector-led and verticalized accelerators for identifying & prioritizing use cases and solutions aligned to the business strategy.

 Choose the Right IT Infra and develop talent to leverage OpenAI @Scale and @Speed.

EY.ai Confidence Index

Who: AI Solution leaders, C-suite, Boards

What: A solution level assessment gauging confidence in the inputs and outputs of the underlying AI model.

Instilling confidence in the data, model and process as well as outcomes of AI solutions improving value capture.

EY.ai Value Accelerator

Who: CEOs & Boards

SYNC

What: A framework to identify value creation opportunities in the enterprise that will drive measurable growth. Includes value creation and value capture levers across key business dimensions - driving growth and driving efficiency.

EY.ai Maturity Model

Who: CXOs & GCSPs

What: A framework for companies to benchmark where they are and what capabilities are required to progress. Includes assessing maturity of functions and business as well as alignment of AI ambitions with core values of organization.



EY | Assurance | Tax | Transactions | Advisory

About EY

Replace this text with boilerplate copy, found on The Branding Zone, in the Signature, boilerplate and descriptor section. Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi ad minim veniam, quis nostrud exercitation ullam corper suscipit lobortis nisl ut aliquip ex ea duncai consequat.

[Optional sector or service line descriptor]

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