

# The economic opportunity of generative AI in the EU

Beyond the hype – boosting EU competitiveness with generative AI

**AI: The Next Frontier in Business? Insights from Europe's Leading Companies**

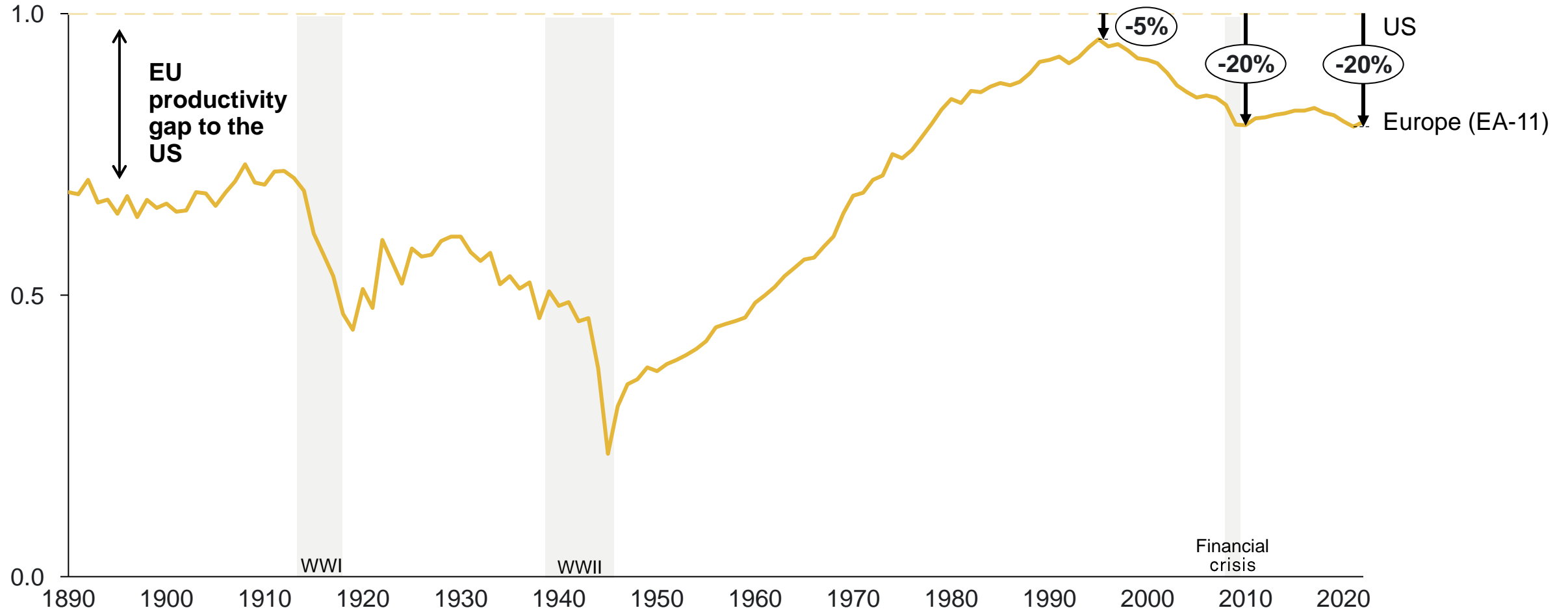
11 December 2024



# European competitiveness is largely determined by successful digital innovation and adoption across the economy

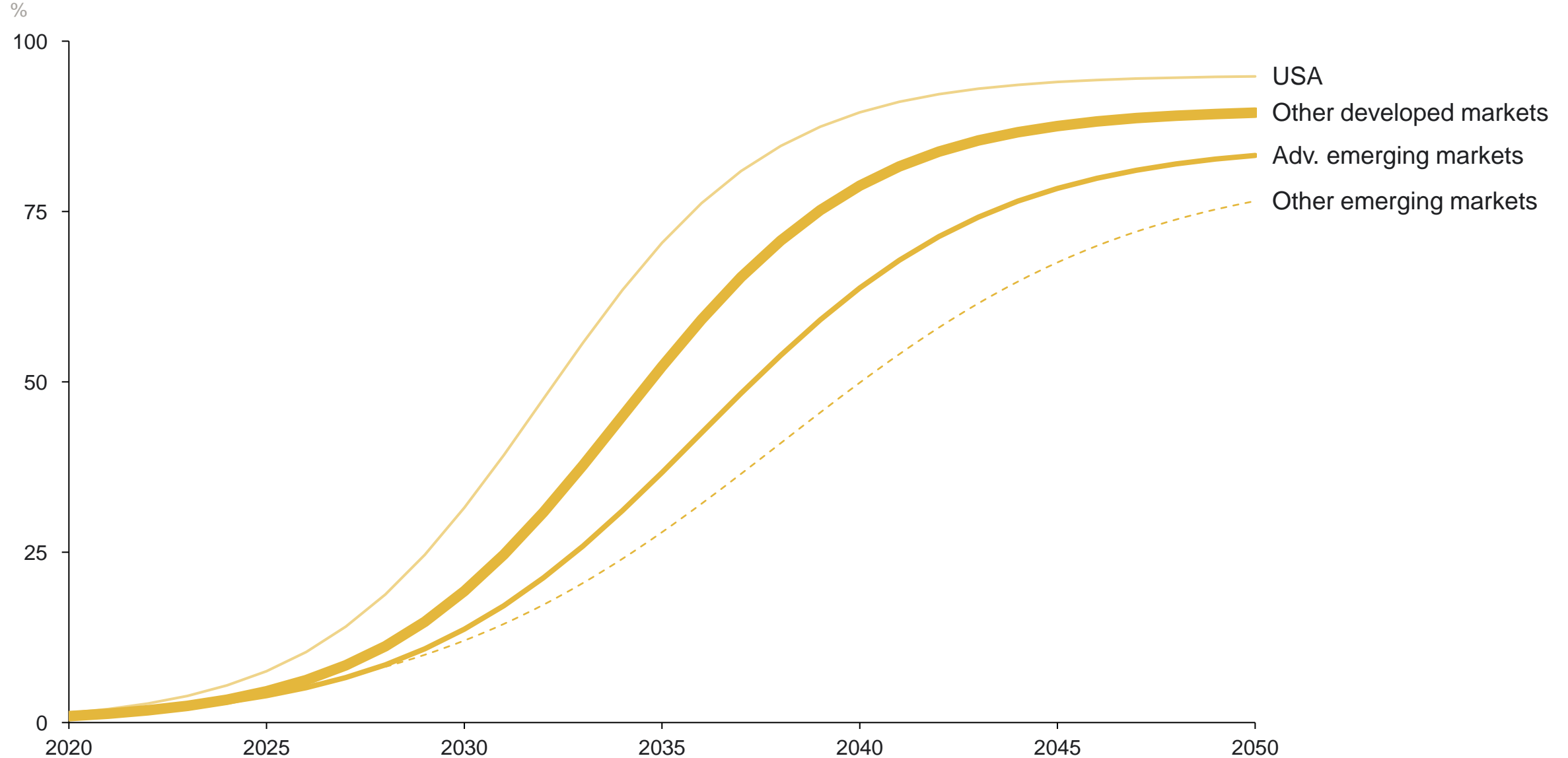
## Relative labour productivity

Ratio of European to US hourly labour productivity



# AI has the potential to transform the global economy over the coming decades

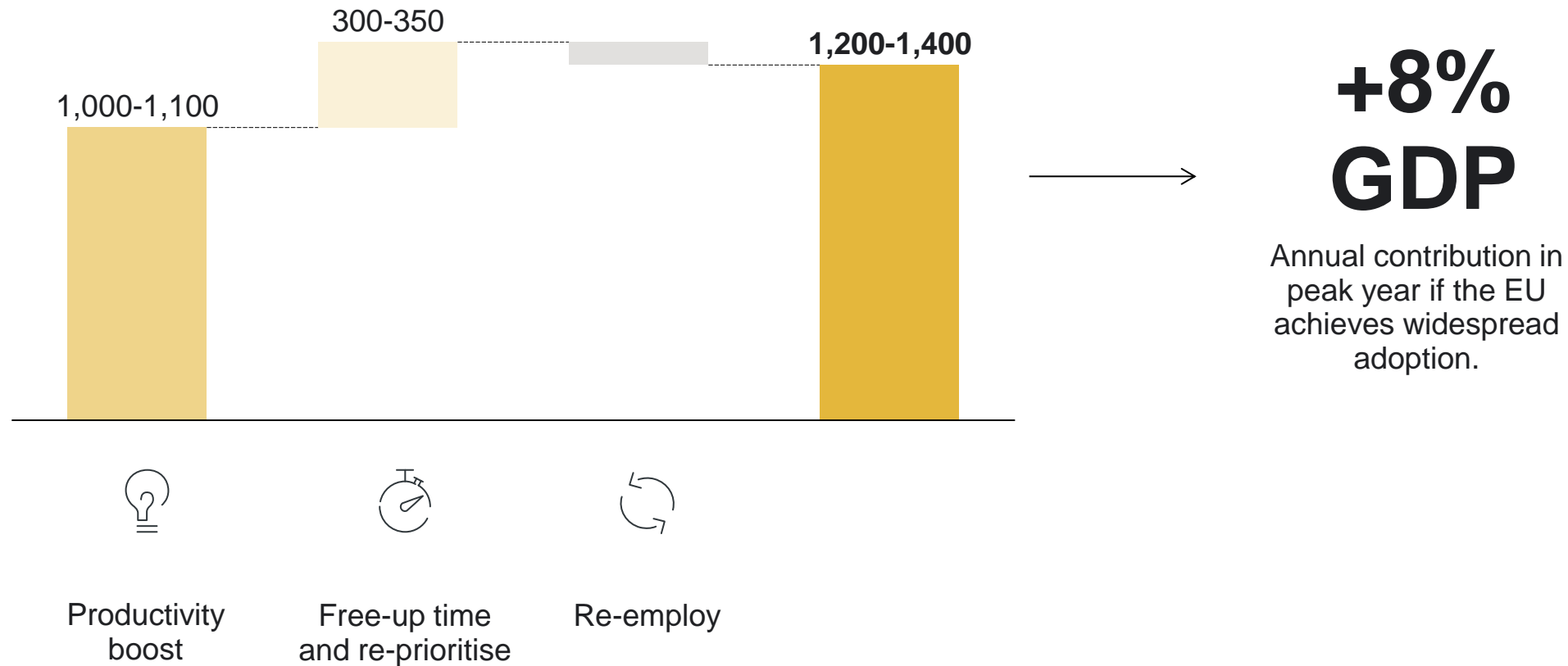
Adoption of generative AI



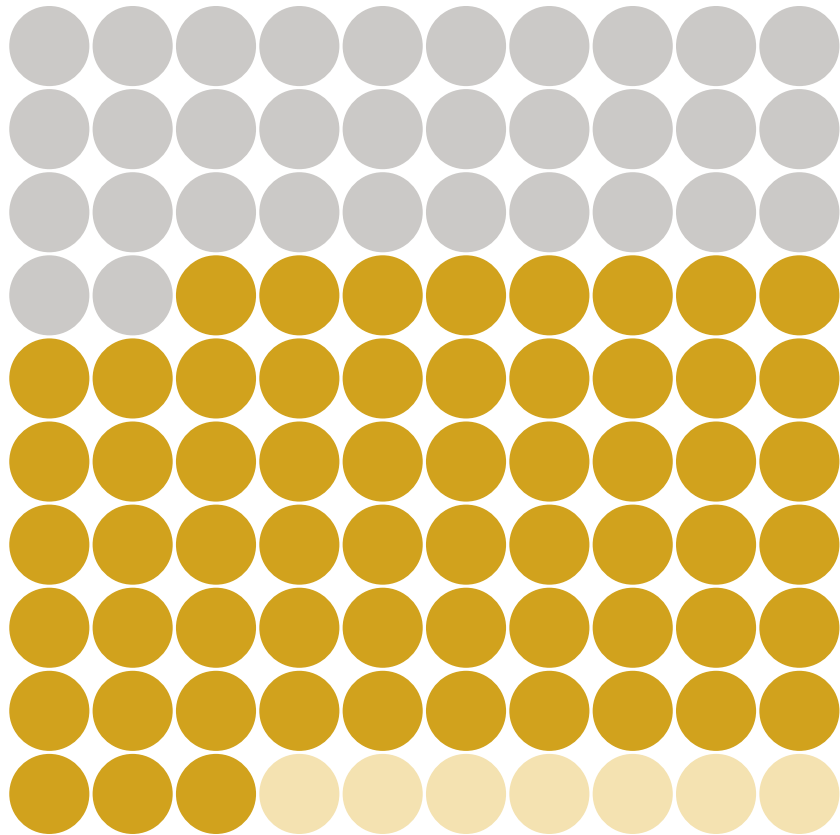
# Generative AI can contribute up to €1.4 trillion to GDP in the EU – causing growth to exceed current forecasts

## GDP potential of generative AI in the EU

€ billion annual increase from baseline GDP after a ten-year adoption period



# Generative AI is expected to augment most jobs



↳ **32%** ~ **65 million jobs** with no exposure  
Baristas, construction workers, personal care (human-to-human tasks)

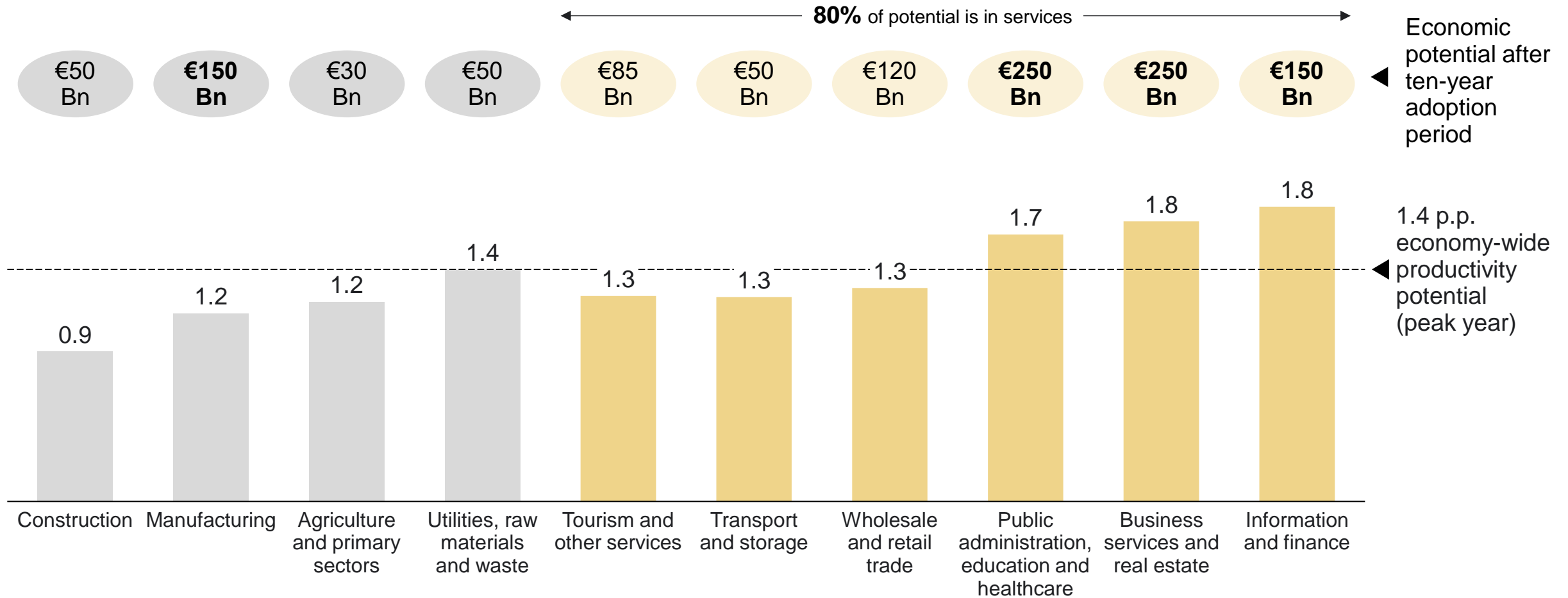
↳ **61%** ~ **125 million jobs** likely to be augmented by generative AI  
Teachers, architects, economists and managers

↳ **7%** ~ **15 million jobs** with high exposure  
Proofreaders, clerical support workers, contact centre salespersons

# Generative AI can boost productivity across all sectors

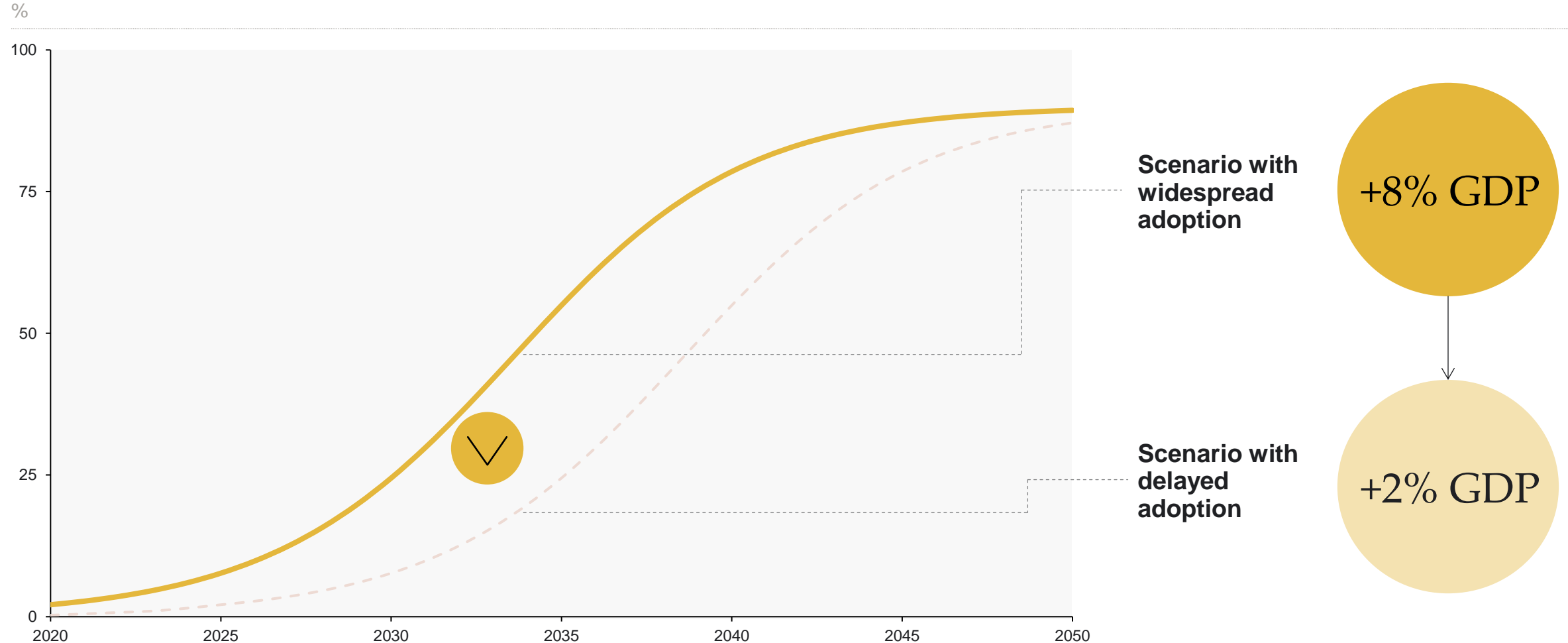
## Productivity boost from generative AI

Percentage points productivity growth p.a. at peak



# A five-year delay in the adoption of generative AI could reduce the potential GDP contribution significantly

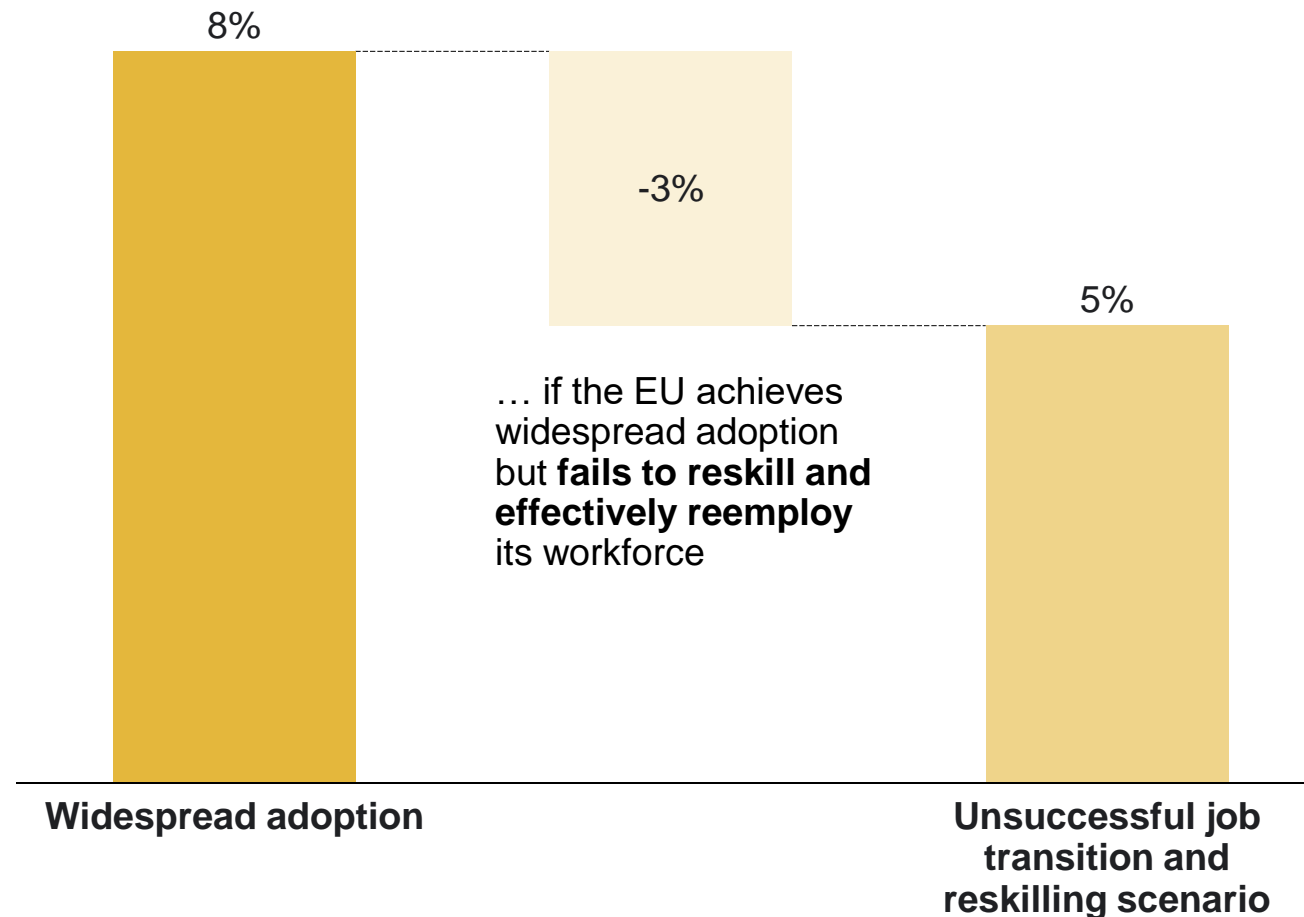
Adoption of generative AI



# Reskilling and upskilling are key for the economic opportunity – failing to do so can reduce the potential from generative AI

## GDP potential of generative AI in the EU

% contribution to GDP after a ten-year adoption period



*“The competitiveness of the European economy depends on its ability to close current and future skills gaps.”*

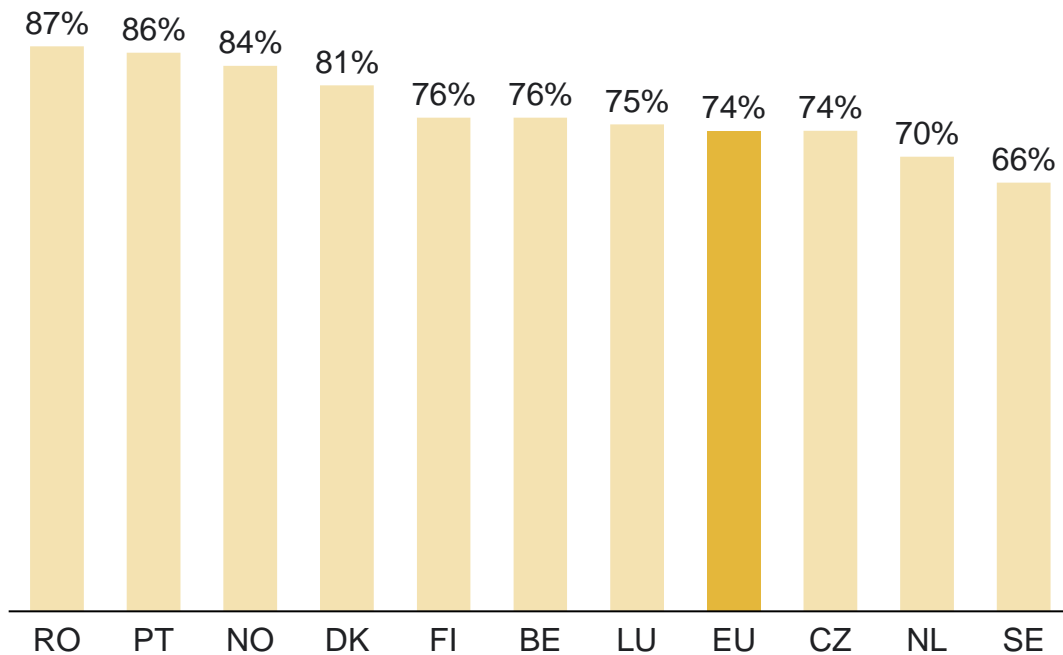
Mario Draghi



# 74% of European workers see generative AI boosting productivity, and 43% expect it to positively impact their jobs

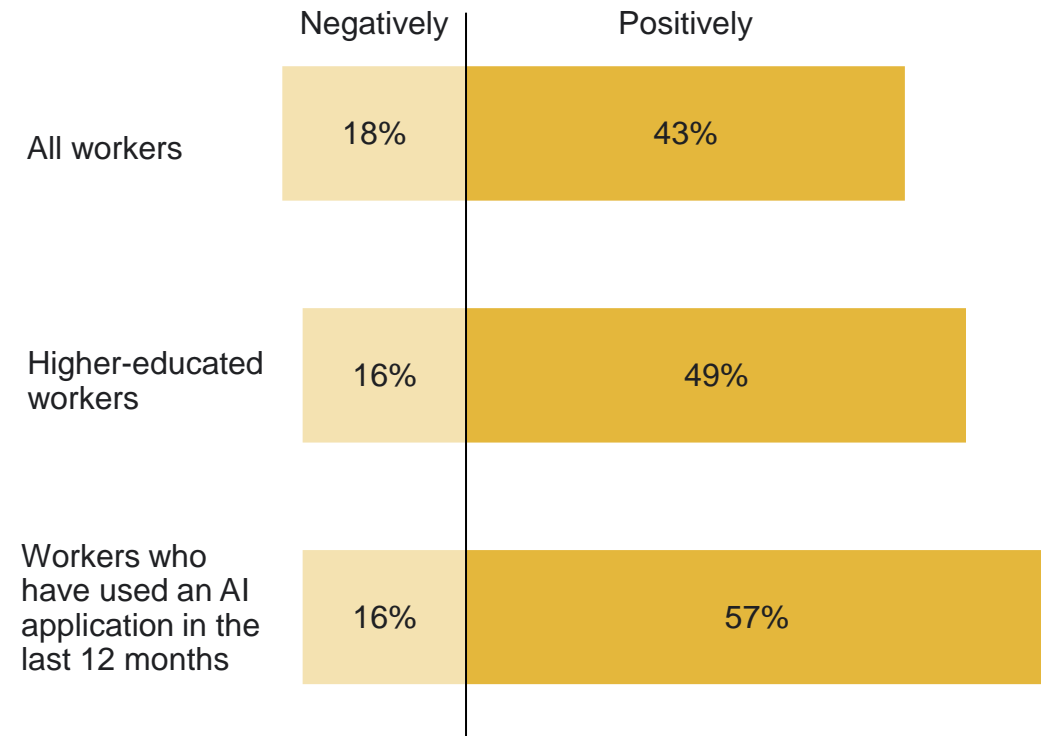
Workers in Europe think that generative AI makes them more productive

%, Generative AI will help improve my productivity at work



Workers in European countries think that AI will positively impact their job

%, How will AI impact your job over the next five years?



# The EU performs well on basic adoption drivers but lags behind on innovation drivers

## The EU's AI capacity according to the Tortoise Global AI Index

Global AI Index, score out of 100 (global leader)

