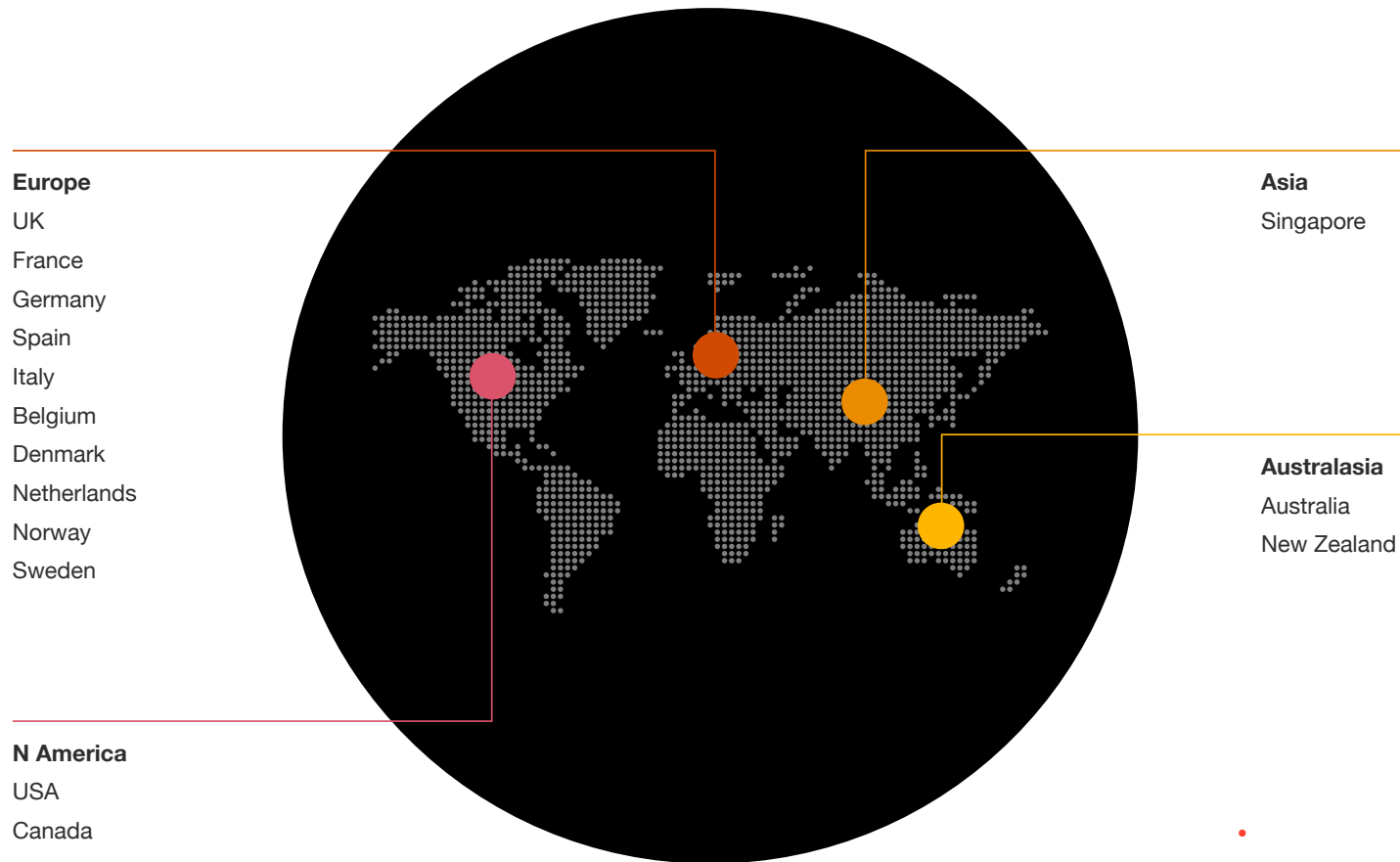


AI Jobs Barometer

Norway Findings

The AI Jobs Barometer uses half a billion job ads from 15 countries to examine AI's impact on jobs, skills, wages, and productivity



Executive Summary of Global Findings

We find evidence that AI is transforming what workers and companies can achieve. There is no going back to yesterday's jobs market, but - if carefully managed - this jobs transition could bring a bright future for workers.

Our data shows AI may be able to help with deep economic challenges. Sectors more exposed to AI are seeing sharply higher labour productivity. This could help to break many nations out of persistent low productivity growth, generating economic expansion, higher wages, and enhanced living standards. In addition, we find that AI can help to ease labour shortages that are likely to become more acute as populations age.

Workers must adapt to an AI era. Old skills are disappearing from job ads - and new skills are appearing - 25% faster in jobs more exposed to AI. To stay relevant in these roles, workers may need to demonstrate or acquire new skills. Workers who learn to harness AI are likely to be more productive and valuable than ever, and all within a context of rising societal prosperity.

One key to a bright future for workers is for companies and workers to fully embrace AI. Instead of thinking only about how AI can replace people (which is fundamentally backward-looking), we should think inventively about how we can make the most of AI to create entirely new industries and roles for people.

Our findings suggest priority actions for companies, workers, and policymakers to manage a disruptive jobs transition while realising the potential of AI to do good for society.

Good news for the global economy

- 4.8x greater labour productivity growth in sectors more exposed to AI
- 27% lower growth in job openings in AI-exposed roles, helping to ease labour shortages
- Jobs that require AI skills carry up to a 25% wage premium on average, underlining the value of these skills to companies

A disruptive jobs transition

- Skills required for AI-exposed jobs are changing 25% faster than in less exposed jobs
- Sharp declines in demand for some AI-replaceable skills
- Some skills rising in demand complement AI or are relatively immune to AI disruption

Next steps for policymakers, companies, workers

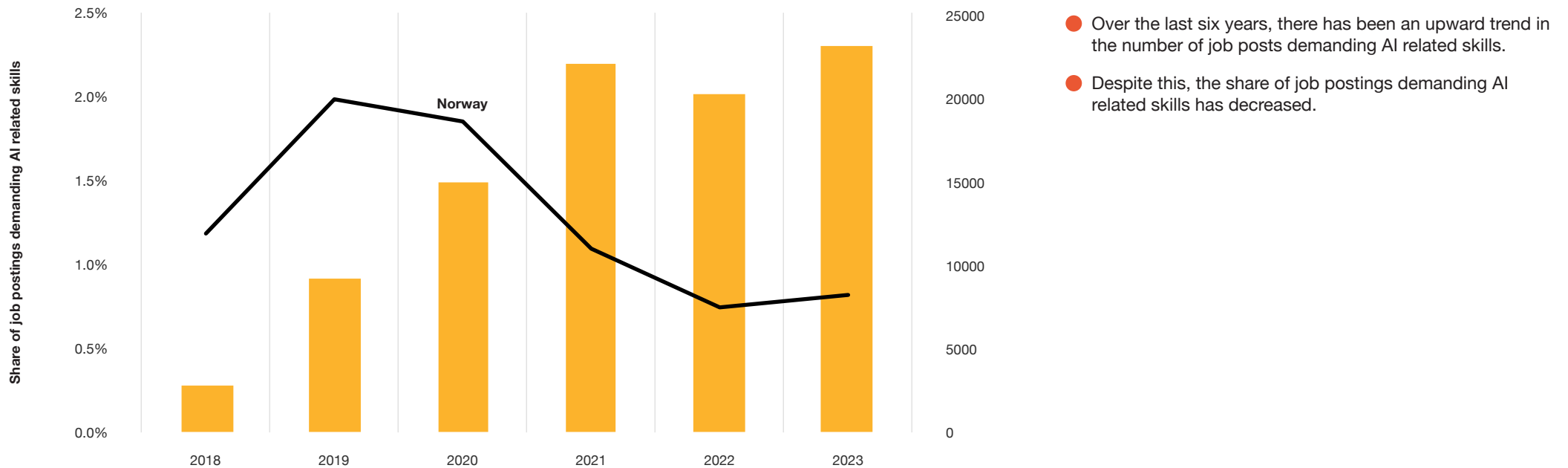
- Embrace uses of AI to grow productivity and prosperity, ensuring benefits are shared
- Encourage use of AI in partnership with people (which can lead to better results)
- Upskill workers for an AI age
- Ensure the responsible use of AI

Norway Findings



Despite the share of job postings demanding AI related skills falling since 2018, the total number has increased significantly

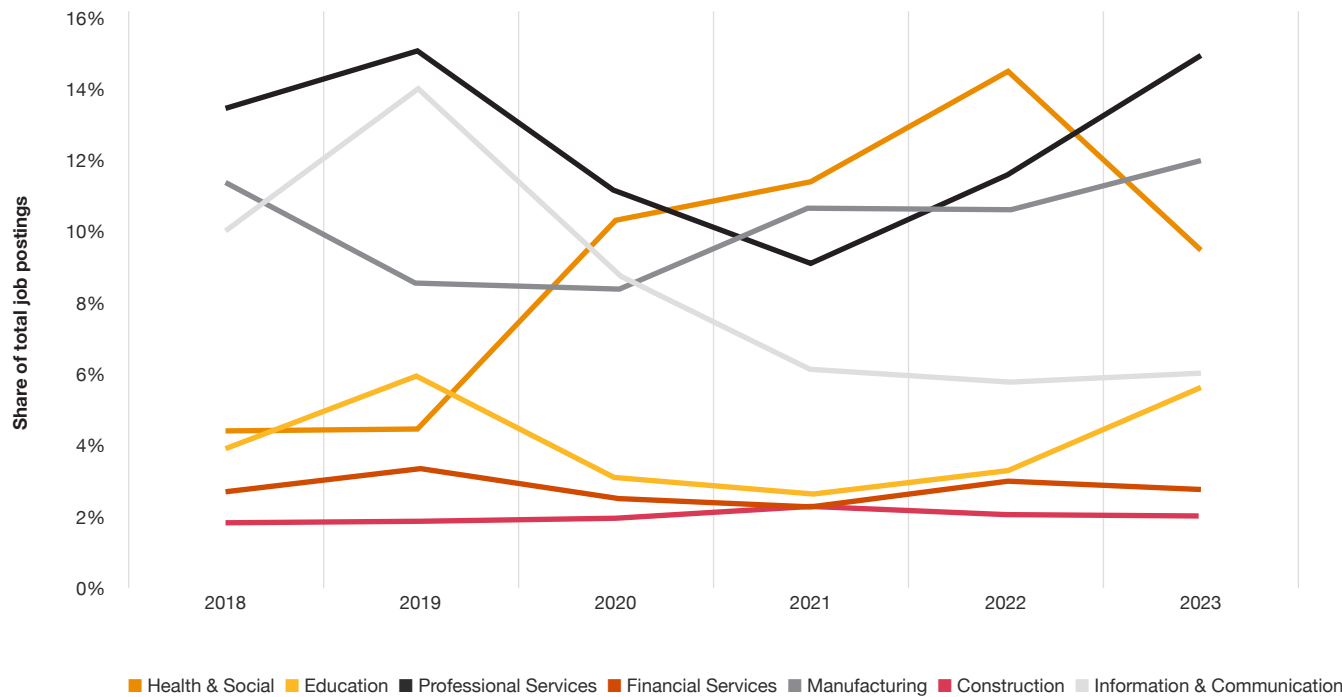
Total number and share of job postings requiring AI related skills, Norway, 2018-2023



Sources: PwC analysis of Lightcast data

Despite varying over the last five years, the Professional Services sector once again became the largest seeker of employees

Share of all job postings by sector, Norway, 2018-2023



- The Health and Social sector share increased significantly, growing by 5.1 percentage points during 2018-2023, potentially related to the high attrition and structural growth in demand.
- The Information & Communication sector experienced a significant decrease in its share of job posts, dropping by 3.9 percentage points.
- The Professional Services sector rebounded from its 2021 trough and currently has the largest share of all job postings at 15%.
- The share of Financial Services and Construction sectors has remained relatively stable.

Sources: PwC analysis of Lightcast data

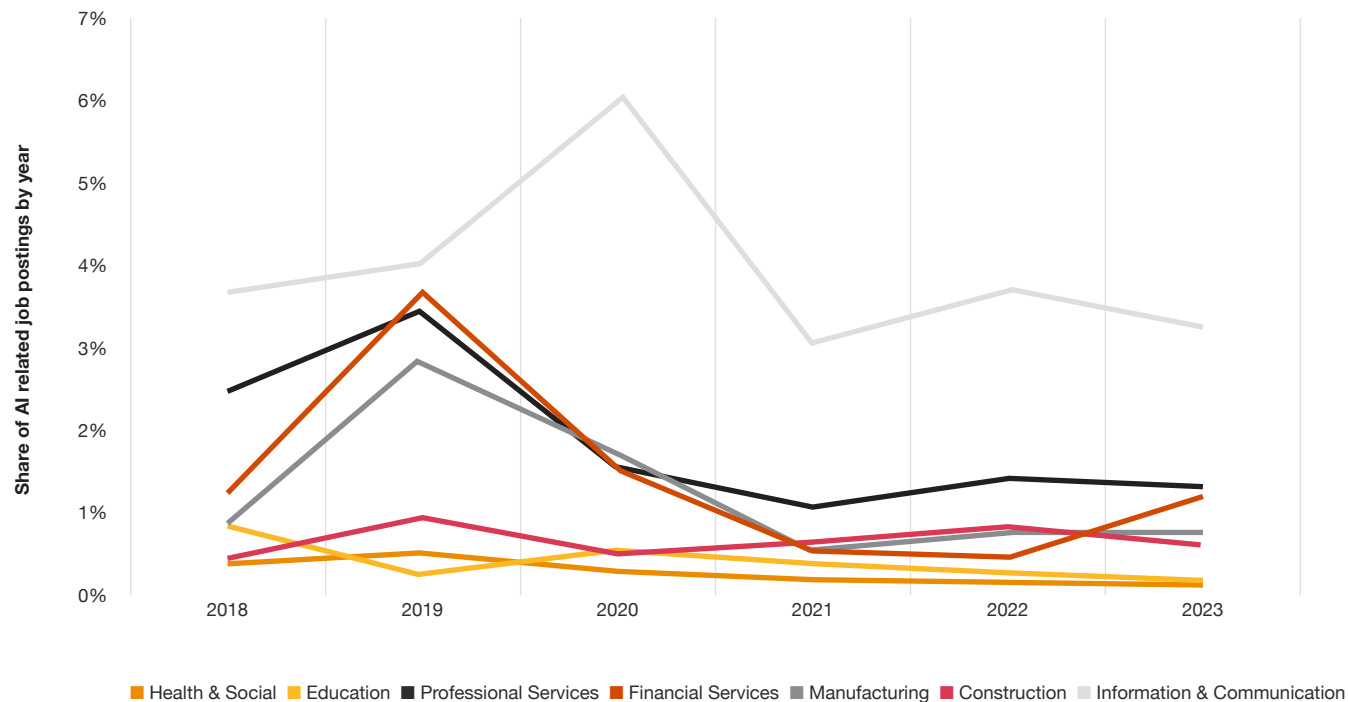
Notes: In this figure we consider seven of the 19 sectors. The seven sectors capture public, private and financial sectors and are commonly considered together in socio-economic analysis.

Sectors excluded: Agriculture, Mining, Power, Water, Retail trade, Transportation, Accommodation, Real Estate, Administrative activities, Arts and Entertainment, Household activities and Extraterritorial Activities.

Fluctuations in yearly data should be considered in the context of broader trends, as they may result from various temporary or sector-specific factors, including the impact of events such as the COVID-19 pandemic

Despite a significant increase in 2019, the share of AI job postings has decreased within the majority of sectors

Share of AI job postings in each sector, Norway, 2018-2023



- The Health and Social sector share increased significantly, growing by 5.1 percentage points during 2018-2023, potentially related to the high attrition and structural growth in demand.
- The Information & Communication sector experienced a significant decrease in its share of job posts, dropping by 3.9 percentage points.
- The Professional Services sector rebounded from its 2021 trough and currently has the largest share of all job postings at 15%.
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Sources: PwC analysis of Lightcast data

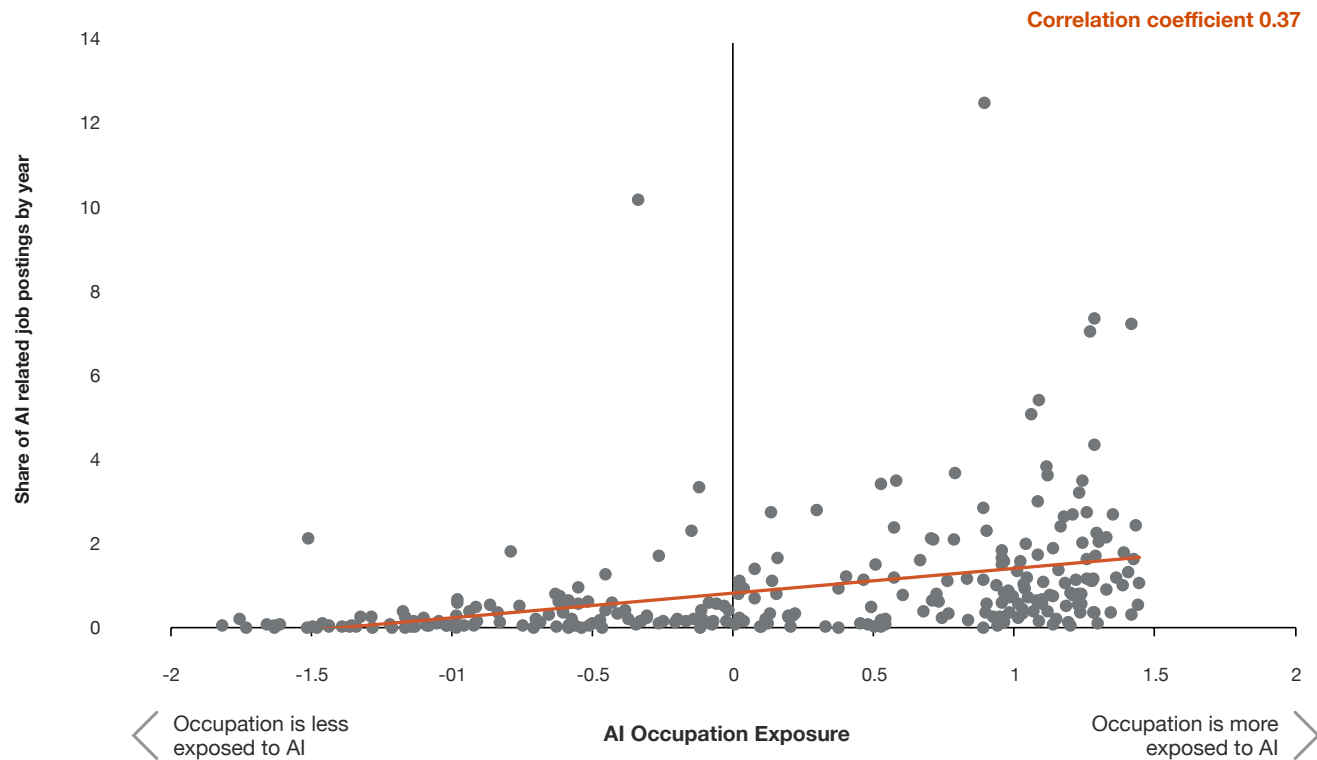
Notes: In this figure we consider seven of the 21 sectors. The seven sectors capture public, private and financial sectors and are commonly considered together in socio-economic analysis.

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Occupations which are highly exposed to AI altered their skill mix more

Net change in the number of skills demanded against AI, Norway, 2019-2023



- There is a positive correlation between occupations being exposed to AI and their net-skill change.
- This suggests that workers in occupations highly exposed to AI may have to acquire more new skills over the course of their career than do workers in lower exposed occupations.
- This may be associated with AI replacing or complementing skills, especially among jobs more exposed to AI.

Sources: PwC analysis of Lightcast data.

Notes: The net skill change is based on Deming and Noray (2020) and is calculated by using the difference between 2019-2023 in the total number of skills required by job occupations using the ISCO-08 4-digit occupational codes.

The AI Occupation Exposure is from Felten et al's (2021), and measures the degree to which occupations rely on abilities in which AI has made the most progress in recent years.

The correlation coefficient is the statistical measure that quantifies the strength and direction of a linear relationship between unfilled job vacancies and AI Sectoral Exposure.

Due to data limitations the wage premium for Norway is not presented

We have not included wage premium data for this country as it is potentially misleading for the following reasons:

- Insufficient data
- Insignificant sample sizes

Sources: PwC analysis of Lightcast data, ISCO-08 Occupation Codes (4-digit level)

Notes: These findings may not necessarily imply a causal relationship. These estimates are calculated by comparing the average salaries of AI job postings to those of non-AI postings for the same occupations.



Partner Sponsors



Carol Stubbings
Global Markets and
TLS Leader



Scott Likens
Global AI and Innovation
Technology Leader



Peter Brown
Global Workforce
Leader

Contributors



Barret Kupelian
Director, Chief Economist
barret.g.kupelian@pwc.com



Sarah Brown
Director, Global
Corporate Affairs
sarah.x.brown@pwc.com



Mehdi Sahneh
Senior Manager, Economist
mehdi.sahneh@pwc.com



Simon Oates
UK Economics Leader



Justine Brown
Director, Global Workforce



Adam Deasy
Senior Associate, Economist
adam.deasy@pwc.com



Nabil Taleb
Senior Associate, Economist
nabil.taleb@pwc.com



Harry Ingham
Associate, Economist
harry.a.ingham@pwc.com



Dr. Ilhan Guner
Academic Advisor
University of Kent

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Advisors



Tom Pagram
Partner, Artificial Intelligence
Leader & Chief Technology
Officer, PwC Australia



Johan Jegerajan
Partner, CEMEA and UK
Consulting CTO, PwC UK



Dr. Alexis Crowe
Lead, Geopolitical Investing
practice, PwC US



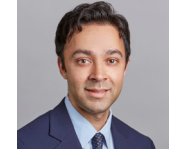
Ashootosh Chand
Partner, Digital & Emerging
Technologies, PwC India



Eugénie Krijnsen
Partner, Global Financial
Services Advisory
Leader, PwC Netherlands



Ilana Golbin Blumenfeld
Director, Emerging
Technologies & Responsible
AI Lead, PwC US



Mir Kashifuddin
Partner, Data Risk & Privacy
Practice Leader, PwC US



Tom Lewis
Partner, Head of Commercial
Technology, PwC UK



Mitra Best
Partner, Technology Impact
Leader, PwC US



Euan Cameron
Partner, UK Artificial
Intelligence and Drones
Leader, PwC UK



Maria Axente
UK Responsible AI and AI
for Good Lead, PwC UK



Rob McCargow
Director, UK Technology
Impact Leader, PwC UK



Calen Byers
Partner, Financial Services -
Asset & Wealth Management
- Real Assets, PwC US



Parul Munshi, Partner,
Workforce Transformation
PwC South East Asia
Consulting, PwC Singapore



Prasun Shah
Partner, UK Tax Workforce,
PwC UK



Julia Lamm
Partner, Workforce
Transformation, PwC US



Anthony Bruce
Partner, Chair of Health
Industries, PwC UK



Eyhab Abdeen
Partner, Middle East
Workforce, PwC Middle East



Bastiaan Starink
Partner, Workforce, PwC
Netherlands



Paul Kett
Senior Adviser and Global
Director Education and
Skills, PwC UK



Patrick Pugh
Partner, Principal, Global
Microsoft Alliance and
Transformation Leader,
PwC US



Bhushan Sethi
Partner, Strategy&, PwC US



Barbara Baarsma
Chief Economist,
PwC Europe



Amy Cai
Managing Partner, ESG,
PwC China



Jennifer Kosar
Trust and Transparency
Solutions Leader, PwC US

