



Going further, faster, together

Melanie Nakagawa
Chief Sustainability Officer





Transformations needed at speed and scale

"There is a brief and rapidly closing window of opportunity to secure a livable and sustainable future for all (*high confidence*)."

– IPCC, 2023

Reasons for optimism

Momentum

By **2025** renewables
projected to become biggest
source of electricity generation

Investment

\$850B invested in climate
change solutions in 2021

Ambition

92% of global GDP
captured by national government
net zero targets

Policy

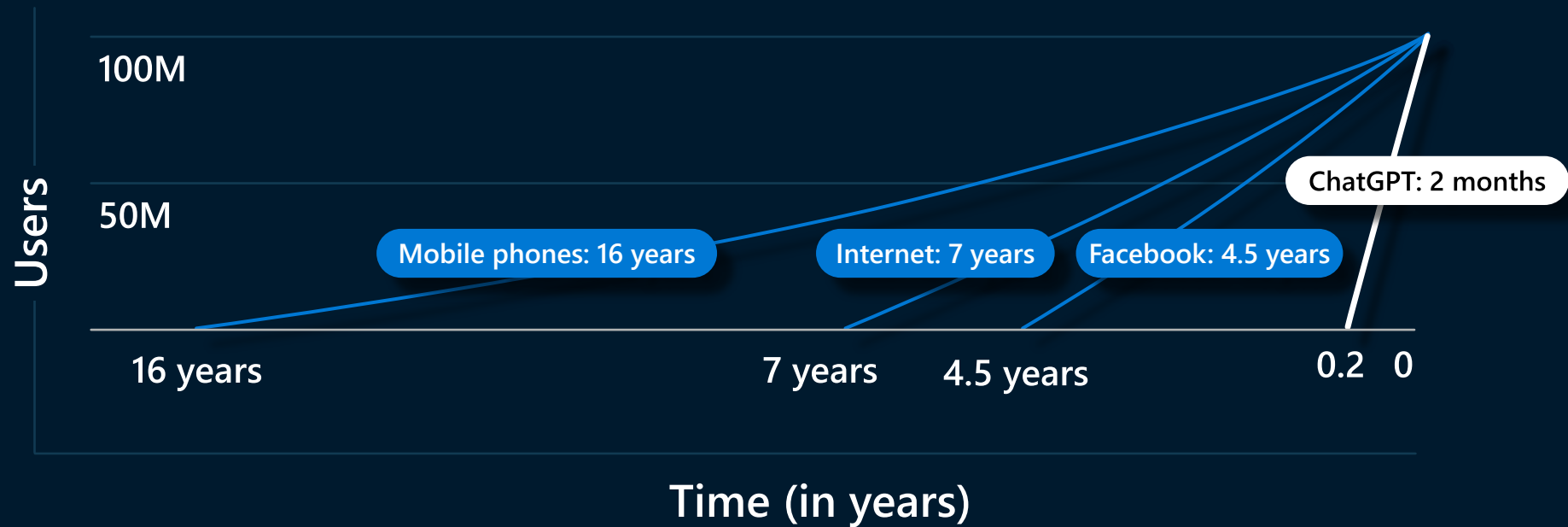
~ **50K** companies required to
do sustainability reporting under
CSRD

Microsoft's carbon moonshot



Technology is accelerating at unprecedented rate

Time to reach 100M users



Microsoft is motivated by bold ideas



“...a computer on every desk”

..... to



Advancing the future
through responsible AI

Amplifying our impact



Operational
sustainability

Getting our own
house in order



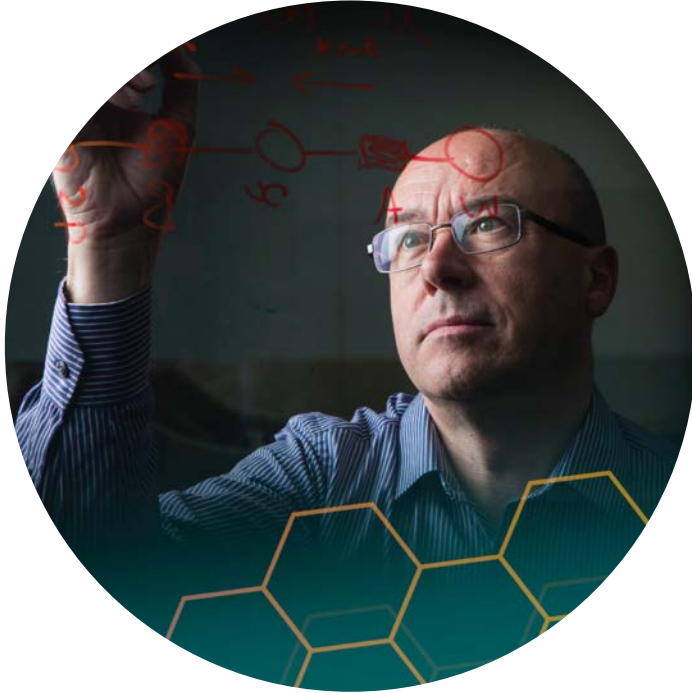
Customer sustainability

Delivering digital
technology for net zero



Driving global
collective action

Key accelerators for change



AI & Science



Customer
empowerment



Policy advocacy

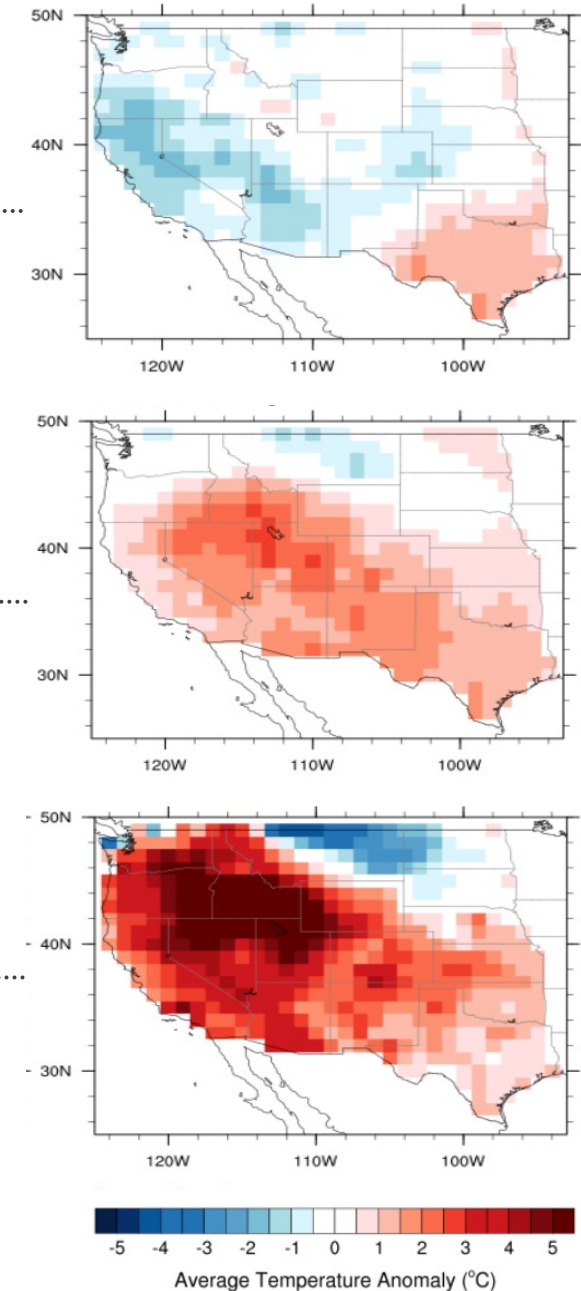
AI is dramatically improving sub-seasonal forecasting

Example of prediction
3-4 weeks ahead

Original
prediction

AI-improved

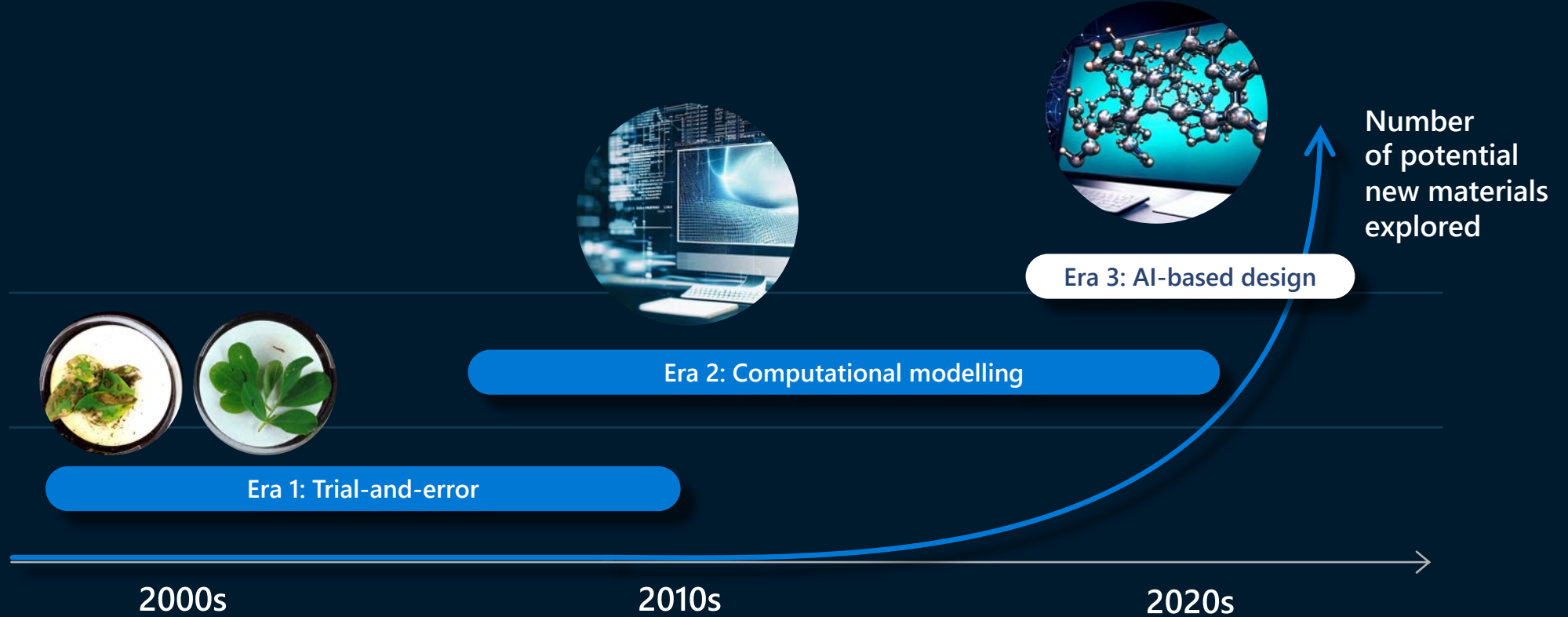
Observed



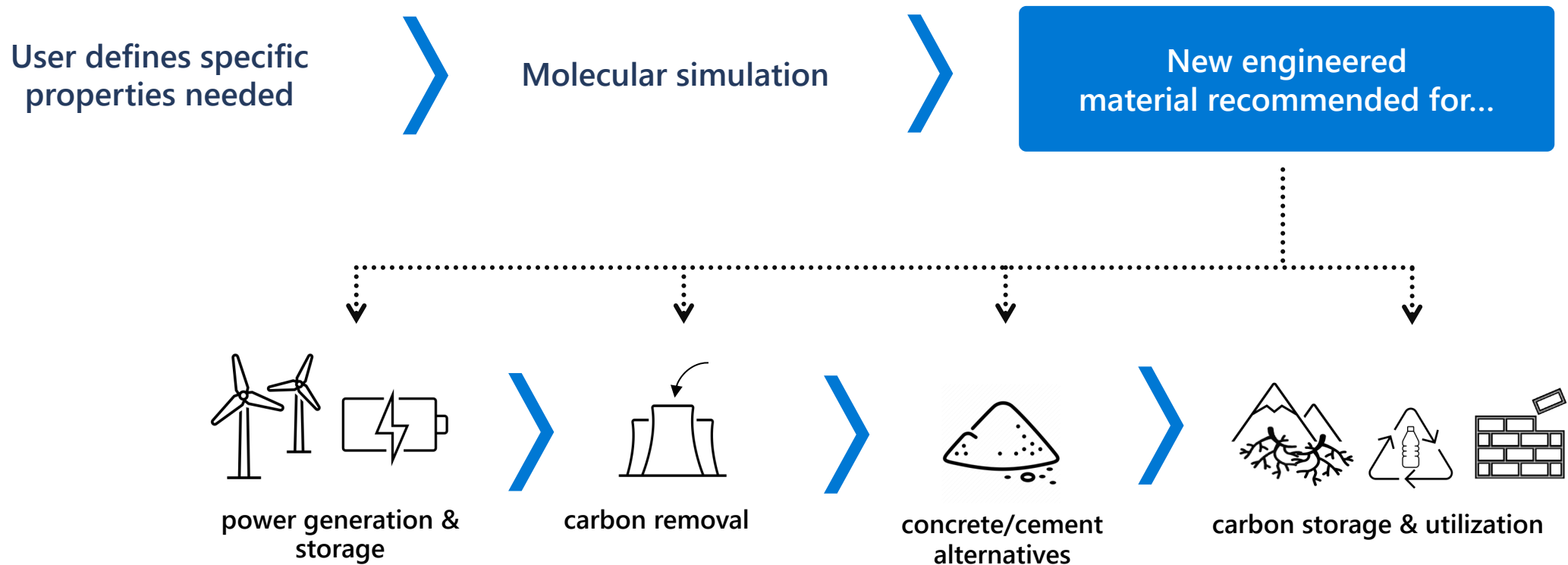
Forecast for Jan/Feb 2018

Source: Microsoft Research

Accelerating materials design



Enabling exploration across a vast solution space of potential materials



Co-Pilot Earth

Helping our customers explore and engage
with a much wider variety of information



Advocating for policies around the world



Incentivizing the transition to clean electricity generation



Modernizing and improving grid infrastructure



Ensuring an equitable energy future



The path forward: innovate, advocate, collaborate

AI to accelerate
progress

Policy innovation
for enabling
transformation

Partner to scale
progress

Responsible AI





Thank you