

A dark, textured world map with glowing yellow-green city lights. The map is centered on the Atlantic Ocean, showing the Americas on the left and Europe and Africa on the right. The glowing lights represent major urban centers and their surrounding metropolitan areas.

RAPHAEL KOCH

CAN WE SAVE THE PLANET WITH AI?



IS AI THE SOLUTION?



COMMITTED TO
IMPROVING THE STATE
OF THE WORLD





THE CHALLENGES



SUSTAINABLE DEVELOPMENT GOALS





SUSTAINABLE DEVELOPMENT GOALS



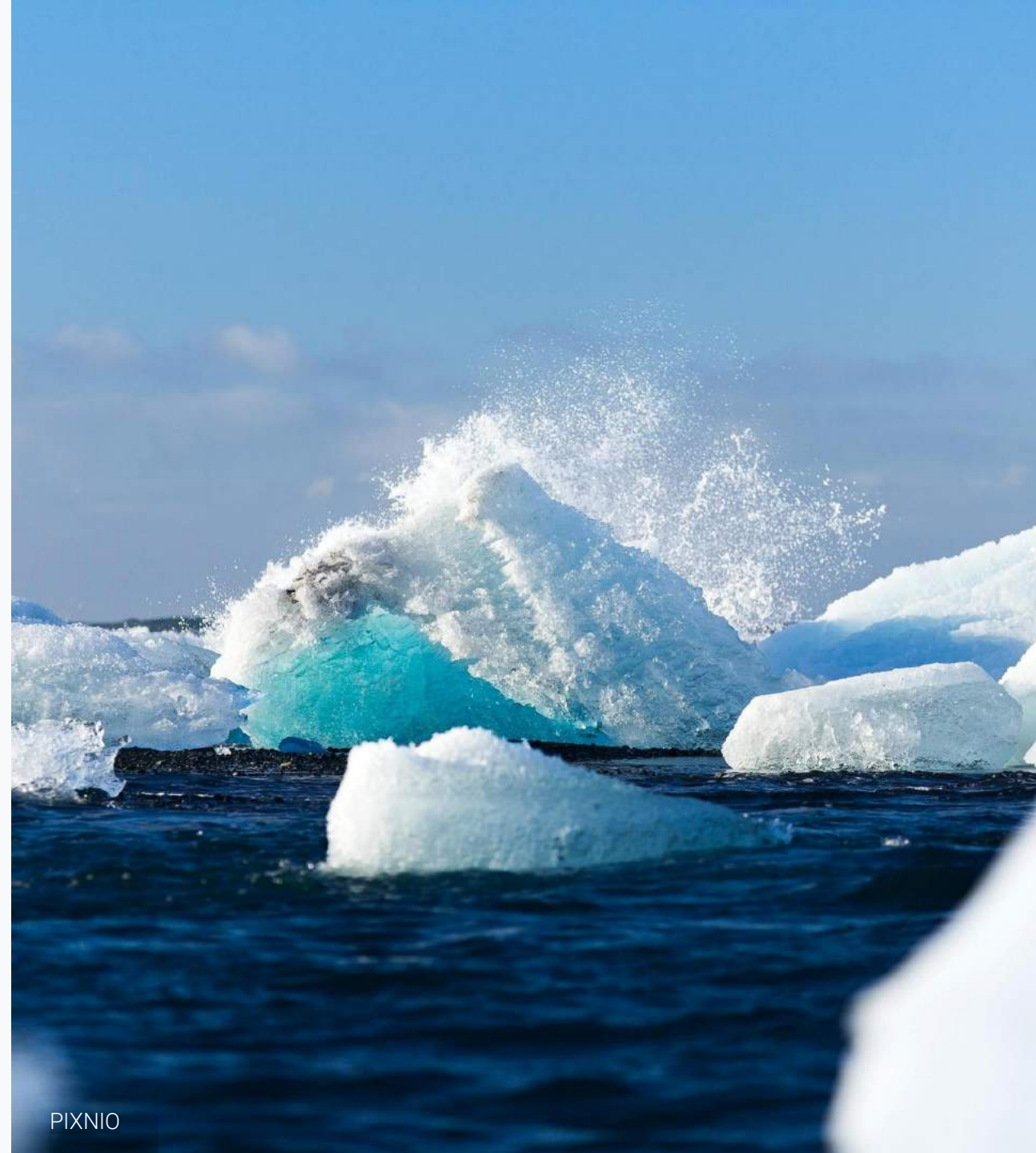
F O C U S O F T H E P R E S E N T A T I O N

- Climate change
- Biodiversity and conservation
- Healthy oceans
- Water security
- Clean air
- Weather and disaster resilience



C L I M A T E C H A N G E

- Clean power
- Smart transport options
- Sustainable production and consumption
- Sustainable land-use
- Smart cities and homes



B I O D I V E R S I T Y A N D C O N S E R V A T I O N

- Habitat protection and restoration
- Sustainable trade
- Pollution control



H E A L T H Y O C E A N S

- Fishing sustainably
- Preventing pollution
- Protecting habitats
- Protecting species
- Impacts from climate change (including acidifaction)



W A T E R S E C U R I T Y

- Water supply
- Catchment control
- Water efficiency
- Adequate sanitation
- Drought planning



C L E A N A I R

- Filtering and capture
- Monitoring and prevention
- Early warning
- Clean fuels
- Real-time, integrated, adaptive urban management



Cindy Lever


W E A T H E R A N D D I S A S T E R R E S I L I E N C E

- Prediction and forecasting
- Early warning systems
- Resilient infrastructure
- Resilience planning



A nighttime photograph of the New York City skyline, featuring numerous illuminated skyscrapers and the Manhattan Bridge. The word "IMPLEMENTATION" is overlaid in white, uppercase, sans-serif font across the middle of the image.

IMPLEMENTATION



DRAWBACKS

D A T A

R I S K S

- Performance risks
- Security risks
- Control risks
- Ethical risks
- Economic risks
- Societal risks



A dark, atmospheric landscape with a long, straight road stretching towards distant mountains under a twilight sky. The road is flanked by dry, brownish vegetation. The sky is a deep, dark blue-grey, and the mountains in the distance are silhouetted against a slightly lighter horizon.

AN OPPORTUNITY



OUR FUTURE

RAPKOSI.GITHUB.IO/DIGISOC

R E S O U R C E S

- [8 ways AI can help save the planet - WEF](#)
- [Harnessing AI for the Earth report 2018 \(PDF\)](#)
- [Interview with Lloyd Treinish](#)
- [IBM-research](#)
- [WWF Publication \(PDF\)](#)
- [Microsoft blog - Brad Smith](#)
- [Renewable Energy Statistic](#)
- [SECORE](#)
- [How we use water \(epa.gov\)](#)

