

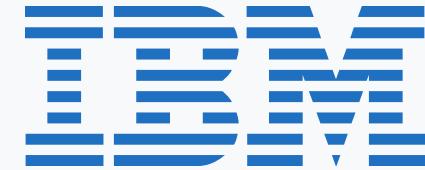


RAPHAEL KOCH

CAN WE SAVE THE PLANET
WITH AI?



AI THE SOLUTION?



COMMITTED TO
IMPROVING THE STATE
OF THE WORLD

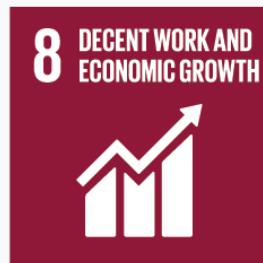




THE CHALLENGES



SUSTAINABLE DEVELOPMENT GOALS





SUSTAINABLE DEVELOPMENT GOALS



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

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



Andreas

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 acidification)



Free-Photos

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



The background image is a wide-angle, nighttime photograph of the New York City skyline. The Manhattan side is visible on the left, with numerous skyscrapers illuminated against the dark sky. The One World Trade Center is a prominent feature. To the right, the Brooklyn Bridge spans the East River, its towers and cables silhouetted against the city lights. The river in the foreground is dark and shows some ripples. The overall atmosphere is urban and architectural.

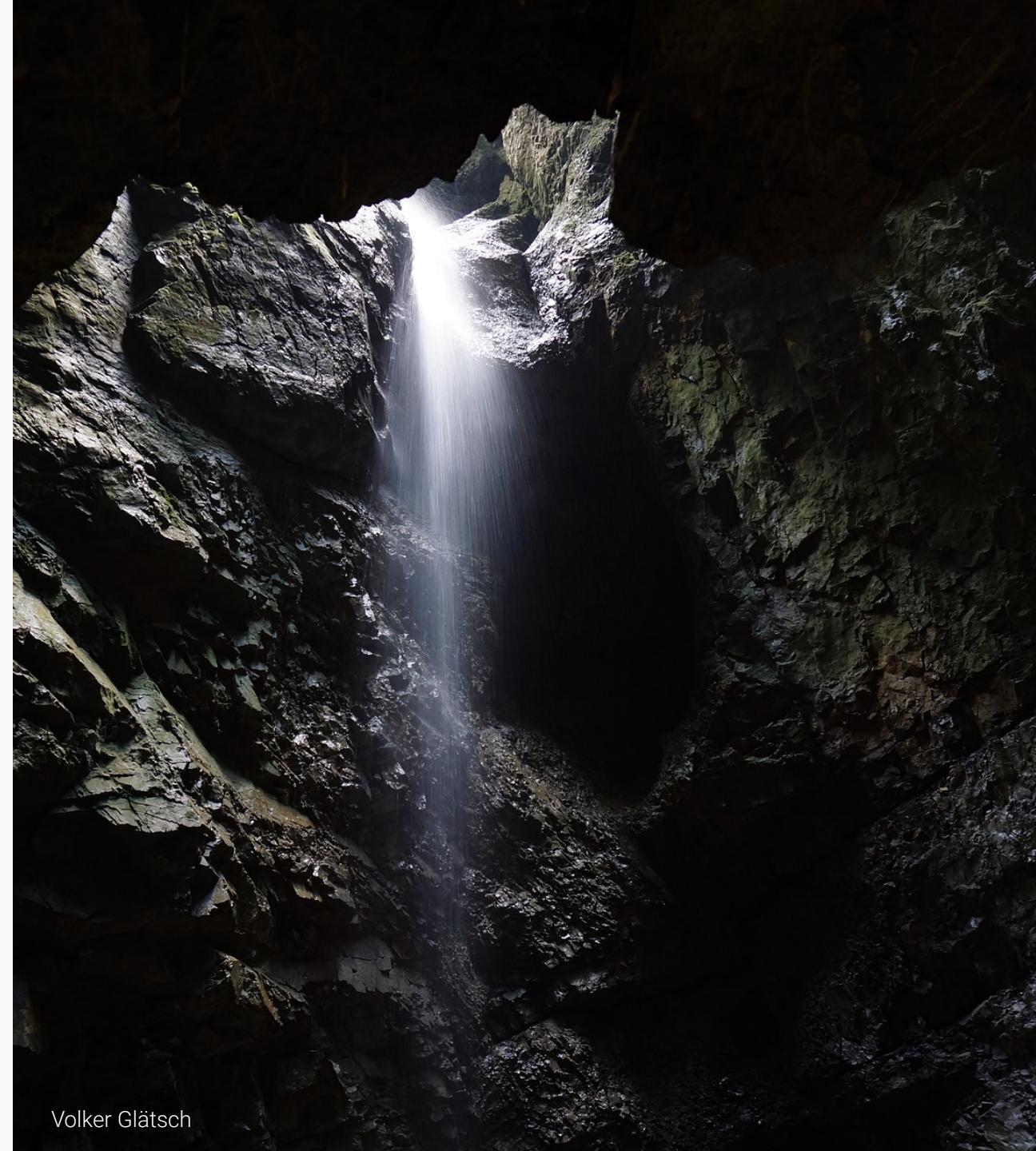
IMPLEMENTATION

DRAWBACKS

D A T A

R I S K S

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



Volker Glätsch

A dark, atmospheric landscape featuring a road that curves away from the viewer towards a range of mountains in the distance. The sky is filled with heavy, dark clouds, suggesting a sunset or sunrise. The overall mood is somber and contemplative.

AN OPPORTUNITY



OUR FUTURE

R A P K O S I . G I T H U B . I O / D I G I S O C

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 \(epa.gov\)](#)

