

The Journey to Equitable Planning

Delivering Change Managing Growth with Digital Twins

Venue

G32 Board Room at Department of Earth Science & Engineering,
Imperial College. Prince Consort Road, London, SW7 2AZ

Objectives

Healthy People Healthy Planet is an authoritative group of academic & professional experts in the fields of AI, The Built Environment, Public Health and Mobility, established to define and address the needs to:

- Decarbonise transport and the built environment
- Support economic growth through streamlining Planning
- Create more equitable housing supply
- Reinforce the socio-economic robustness of town centres
- Foster healthier, safer, more connected neighbourhoods

Agenda

Chaired by Mojtaba Moatamedi, Executive Director, New York Univ. London)

2.00-2.30pm Coffee & tea

2.30-2.45pm Predicting the Unpredictable: AI & Data for Enhanced Climate Resilience
(**Daniil Mintc**, *Open Weather*)

2.45-3.00pm Wildfires and their impacts on the built environment: Lessons from US,
Opportunities for advancing behaviour and risk models by leveraging AI and machine learning
(**Philip Cunningham**)

3.00-3.15pm Urban Resilience through AI-powered disaster management (**Joris Kohl van Wijngaarden**, *Co-Founder & CTO*, **Sven Kooistra**, *Product Manager Environ. Scientist, MEJOR Technologies B.V.*)

3.15-3.30pm NVIDIA Modulus-open-source deep-learning framework for physical systems
(**Niki Loppi**, *NVIDIA*)

3.25-3.45pm Break

3.45-4.00pm DIY Greening Prescription for Climate Adaptation in Urban Street (**Prof Prashant Kumar**, *University of Surrey*)

4.00-4.15pm Heath co-benefit of net-zero (**Sean Beevers**, *Imperial College London*)

4.15-4.30pm Delivering growth with Digital Twin co-creativity (**Philip Challinor**, *Architect*; **Christopher Pain**, *Imperial College London*)

4.30-4.45pm Round table discussion

- Community Engagement
- Technical Analysis: Mobility
- Technical Analysis Ecology
- Environmental Impact
- Building Design & Placemaking
- Sustainability

4.45-5.00pm Closing questions and thoughts for the future

- How should London councils respond to Government focus on AI driven Planning
- What do you see as the timescales for delivering Phase 1 of the proposed new methodologies
- What do you see as the potential pitfalls in an AI based system
- What as the key benefits if a new AI based system
- What % of costs should be funded by Local/ Central Government/ Developers/ Landowners/ Applicants

Networking and refreshments (5.00pm onwards)