

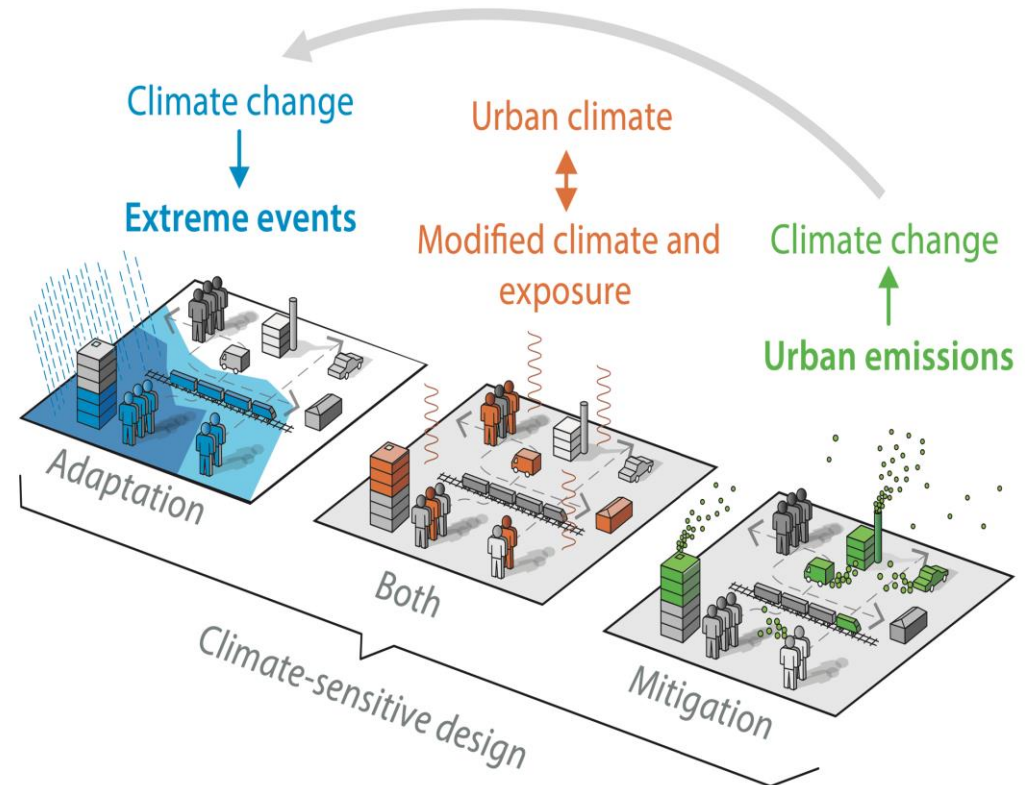


ERC Information Day “Horizon Europe”

Roundtable session (incl. Q&A) with ERC grantees

► Project objectives

- Understanding, forecasting, and projecting feedbacks between climate change and drivers of urban transformation.
- Capturing the complexity of urban dynamics, towards changing the way we represent cities in climate models, as well as basic urban planning methods of linking climate risks to urban dynamics.
- Exploring how urbanization, human behaviour and technology changes in cities impact climate change and how impacts of climate change influence urban populations, their vulnerability and their adaptive capacity.





› Project team



Dr. N. Chrysoulakis



University of Stuttgart
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Prof. J. Birkmann



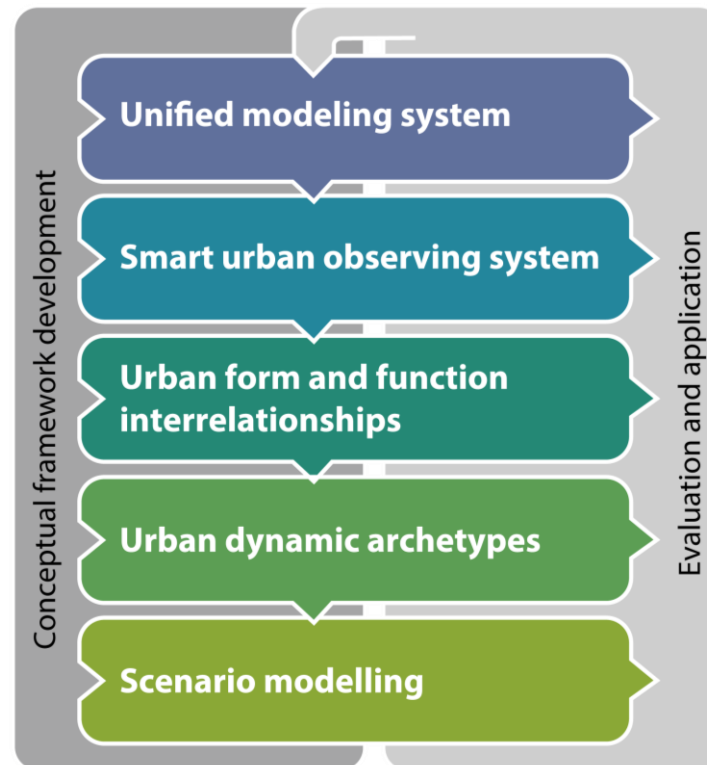
Prof. A. Christen



University of
Reading

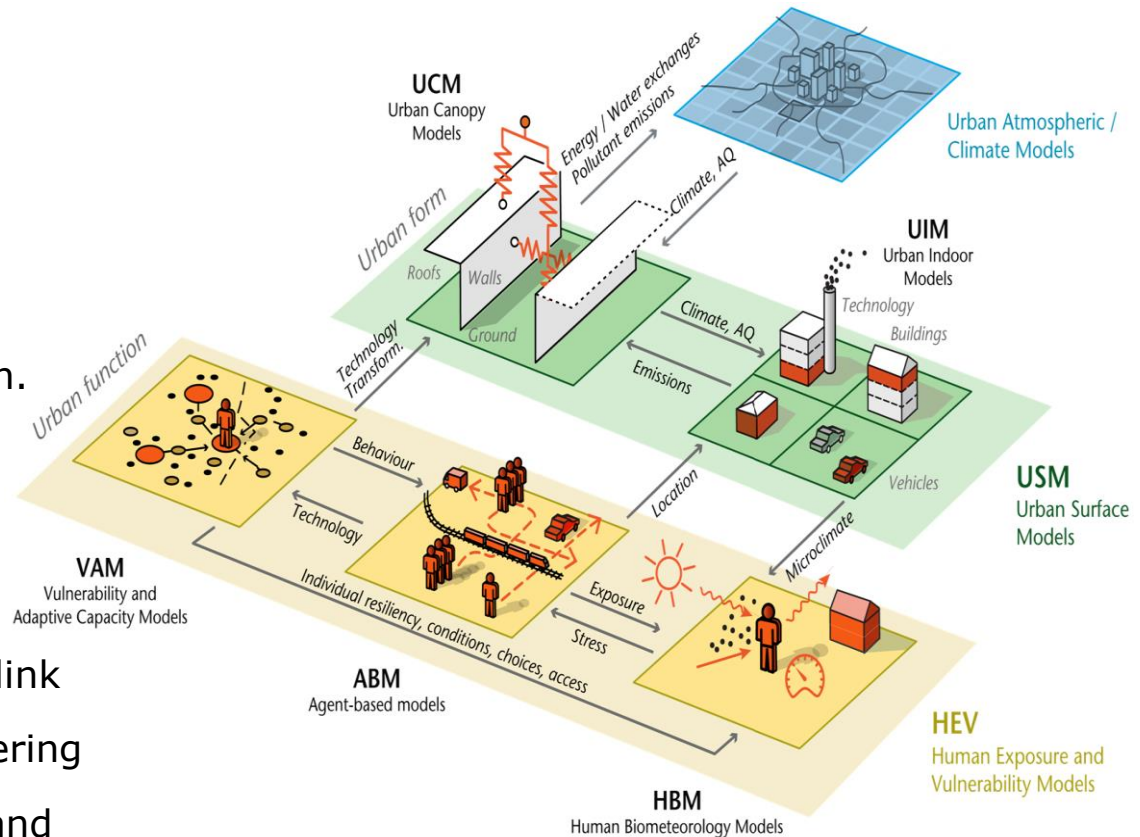
Prof. S. Grimmond

› Project methodology



► Main project outputs

- Deeper understanding of socio-economic dynamics and human responses to climate, extreme events and urban transformation.
- A dynamic and unified modelling system by coupling between different modelling types.
- Urban Dynamic Archetypes that link different neighbourhoods considering vulnerability, function and form and reacting to changes in urban development, socio-economic change and climate change.



➤ Main project outputs

- Evaluated scenarios of vulnerability, adaptive capacity and emerging risks from neighborhoods to global cities.

