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**Sustainable Urbanisation  
Global Initiative (SUGI)**  
FOOD - WATER - ENERGY NEXUS

**BELMONT  
FORUM**

**URBAN EUROPE**



# SUNEX - (Sustainable Urban Food- Water-Energy NEXus)

Formulating a sustainable urban FWE strategy by  
optimizing synergies between food, water and energy  
systems

# SUNEX - (Sustainable Urban Food-Water-Energy Nexus)

- **SUNEX will provide a modelling framework** to assess the Food-Water-Energy System addressing the demand and the supply side.
- **The objective** is to develop efficient solutions for energy, water and food supply for urban regions.
- SUNEX will be demonstrated in **4 case study city regions** and **will finally provide policy guidelines** for different physical and climatic framework conditions & consumption patterns



Berlin



Bristol



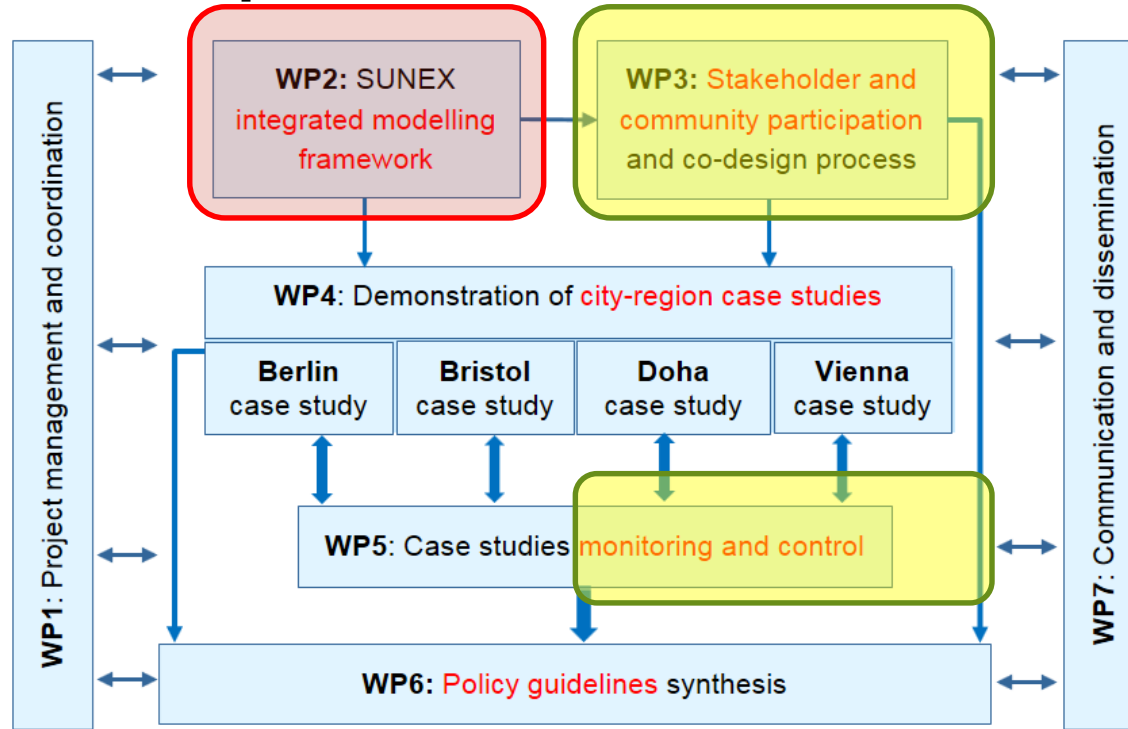
Doha



Vienna

# SUNEX – Concept & Team

## Concept:



## 7 Partners:

- Austrian Institute of Technology (AIT, Coordinator) **Vienna** >> energy system model
- Leibniz Centre for Agricultural Landscape Research (ZALF) **Berlin** >> food sys model
- University of the West of England (UWE) / **Bristol** >> water system model
- Bristol Water (BW) / **Bristol**
- Qatar Environment and Energy Research Institute (QEERI) / **Doha**
- Qatar Ministry for Municipality and Environment (MME) / **Doha**
- ROC Connect (ROC) / **Palo Alto, California** >> monitoring IoT applications

# Contact

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