

# The Moveable Nexus: Design-led urban food, water and energy management innovation in new boundary conditions

*M-NEX is a design-research based effort that aims to deliver greater access to Food-Energy-Water (FEW) system assessment tools to prototype and iterate a FEW-driven design process at a participatory platform across multiple scales and contexts. As such, M-NEX is explicitly an Innovation and Implementation project.*

## Three objectives and targets

To implement existing FEW research in cities through the design practice.

To aggregate existing FEW tools into one analytical decision-support tool.

To iterate a series of participatory design workshops at six living labs with the support of existing knowledge and tools.

## Design-led research approach

Each partner works at local living lab for innovative solutions of FEW management.

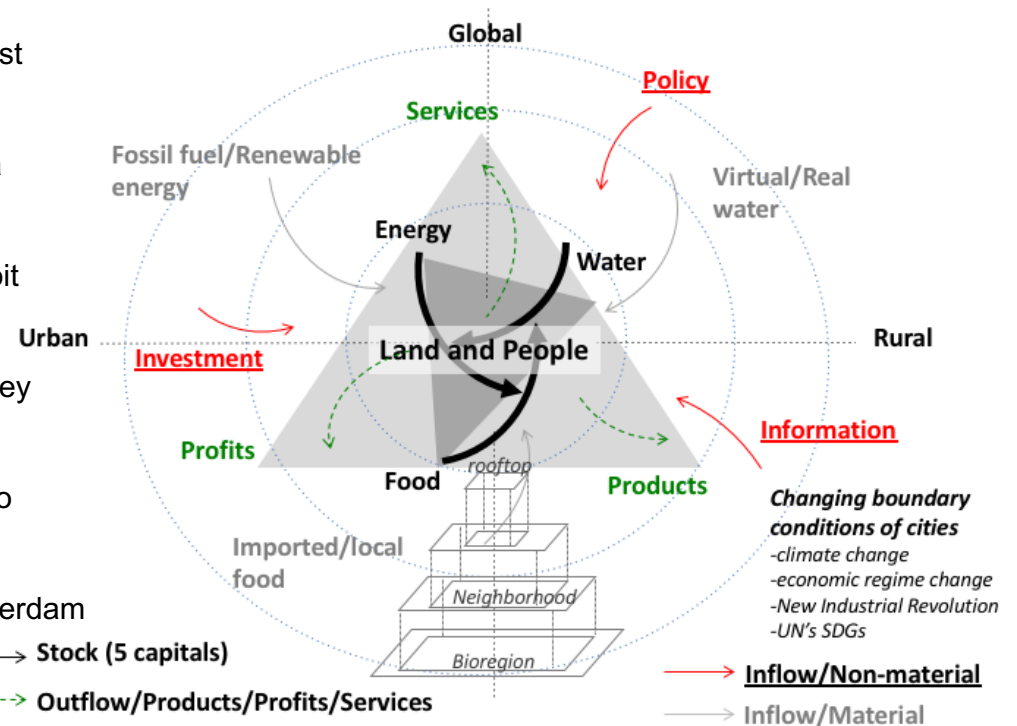
One international workshop every 6 months at one of the six study regions.

Evolutionary growth of design methods, evaluation tools and engagement mechanisms for the M-NEX platform.

## Incremental Growth of M-Nex



## Common concepts: FEW as Quality of Life for Sustainability



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# Work Packages, Milestones and Deliverables

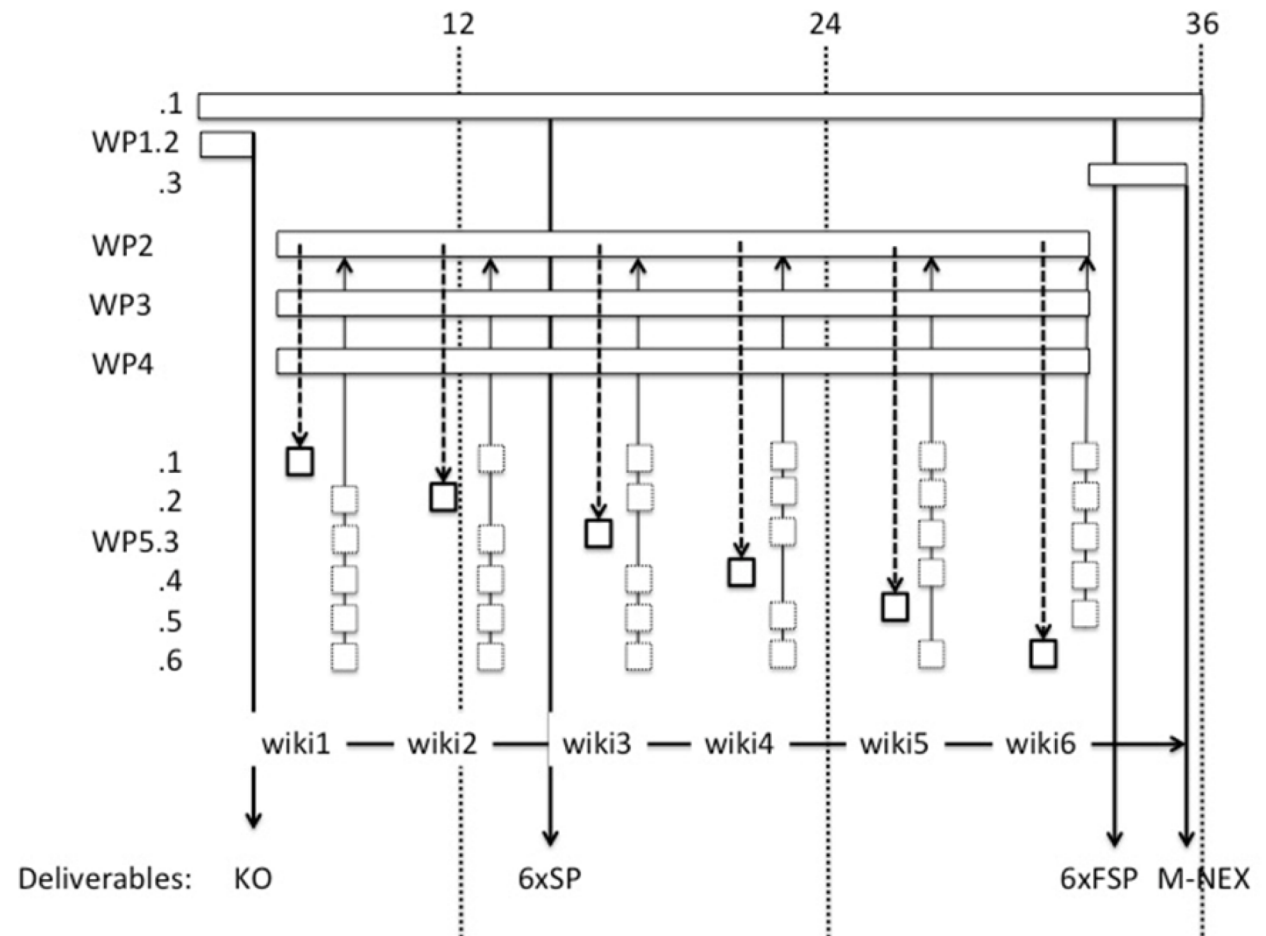
*M-Nex will develop three research platforms: a design platform, an evaluation platform and a participation platform through participatory workshops in a row. Each platform will assemble, structure and synthesize existing knowledge, tools, data, innovation practices, co-design methods, implementation models and case studies of systemic and applied solutions across the FEW-nexus.*

- WP.1 Project management
- WP.2 Design Platform
- WP.3 Evaluation Platform
- WP.4 Participation Platform
- WP.5 Living Labs
  - WP5.1 Belfast, UK
  - WP5.2 Doha, Qatar
  - WP5.3 Detroit, USA
  - WP5.4 Sydney, Australia
  - WP5.5 Tokyo, Japan
  - WP5.6 Amsterdam, Netherlands

Note:

KO : Kick-off;

SP: Strategic Plan; FSP: Final Strategy Plan;  
wiki1~6: incremental M-Nex platform by  
wiki-like ICT tools.



# M-Nex Kick-off Meeting in Sydney, 2018/05/16-18

