

# Partner Search Form

## Sustainable Urbanisation Global Initiative (SUGI)/Food-Water-Energy Nexus

Applicants looking for project partners can generate a “Partner Search Form” describing the profile of the organization they want to collaborate with. Applicants looking for project partners can also publish their ideas in the [LinkedIn group](#). The completed partner search form can be sent to the Call Secretariat who will publish it on the JPI Urban Europe website and on the LinkedIn Group as well.

**Send the filled in form to: [magnus.brink@iqs.se](mailto:magnus.brink@iqs.se)**

Date:

### Section 1 – I am looking for:

A partner for my project

A project to join

### Section 2 - Call Information: which topic(s) do you address?

Topic 1. Robust Knowledge, Indicators and Assessments

Topic 2. Multi-level Governance and Management of the Food-Water-Energy Nexus

Topic 3. Managing Potential Strategies and Solutions to address emerging Risk and Tradeoffs at the intersection of Sustainable Urbanisation and the Food-Water-Energy Nexus

### Section 3 - Your Organisation

Organisation name and location: Eindhoven University of Technology, The Netherlands

Contact person: Tao Feng

E-mail: [t.feng@tue.nl](mailto:t.feng@tue.nl)

Website: <https://www.tue.nl/en/university/departments/built-environment/research/research-programs/design-and-decision-support-systems/>

Description of the organisation (max. 100 words):

The Urban Planning Group is a research group in the Department of the Built Environment at the Eindhoven University of Technology. It is a part of the research unit, Urban Systems and Real Estate (USRE), which deals with teaching and research in the field of planning, development and management of cities and large-scale urban artefacts. Expertise concerns developing models and decision support system to support planning processes in a variety of application domains. As a part of Urban Science and System (USS), the Urban Planning Group has well developed different research themes and deserved the wide reputation in urban research and analysis. The group is one of the leading group worldwide in the field of activity-based models.

### Section 4 - Free Keywords:

Activity-based models; Uncertainty; Prediction and modelling; Dynamic Urbanisation

### **Section 5 - Project Description**

From a wider perspective of urban development and transition, we are interested in the modeling, simulation and prediction of FWE demand and tackle the dynamics induced by the transition of spatial distribution, population mitigation, life change, etc., in major urban areas, and incorporating the possible uncertainty and risk issues. The high-resolution prediction in temporal and spatial aspects will link to the infrastructure development, and wider topics of distributional and horizontal equity, and accessibility issues.

### **Section 6 - Partner Profile Sought**

Type of organisation:

Research agencies, municipalities, companies.

Required Skills and Expertise (if applicable):

FWE management, ICT partners.