



# AMERICAN ASSOCIATION of GEOGRAPHERS

ANNUAL MEETING

**AAG Session ID: 22699**

## **The Food – Water – Energy Nexus in an urban context**

With more than half of the world's population presently living in urban areas (UN 2015), much of the demand for food, water, and energy (FWE) occurs in urban setting. Cities are concerned about sustainable social, environmental and economic development; therefore, risks and vulnerabilities related to energy, food, and water supply are high priority considerations. The urban FWE metabolism and infrastructures present a complex socio-technical process of co-evolution. Growing in importance in recent years, the FWE nexus was first discussed at the World Economic Forum in 2008 (WEF 2011) as a mechanism to promote sustainable use of resources, and has evolved to incorporate various facets, additional components and disciplinary perspectives. Current research focuses on the illustration of FWE security perspectives, livelihood, governance, and urban systems, among other issues. Some FWE nexus approaches started to include participatory scenario building and integrative science-stakeholder dialog to integrated modelling.

This session seeks presentations on the Food Water Energy (FEW) Nexus in an urban context focusing both on technological aspects, resource flows and data as well as societal aspects such as nexus governance, participation and communication. Possible topics for presentation may include but are not limited to:

- Methods for the analysis of the FWE nexus
- Data and Data governance
- Visualization of the FWE nexus
- Modelling of nexus flows and structures
- Mapping of the FEW nexus (spatial and non-spatial)
- Citizen Science and VGI approaches
- Nexus governance
- Applications of decision support systems
- Urban Living Labs
- Sustainable procurement and the FEW nexus
- Policy Analysis

Please send your submitted abstract and abstract ID to the organizers before the submission deadline (OCT-25<sup>th</sup>-2018).

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