

THE FEW-METER WILL DELIVER:

- a refined model to measure and improve urban agriculture towards shorter food supply chains, increased food production and resource efficiency, and reduced food waste;
- a contribution towards advancing urban agriculture towards a more resilient, resource-efficient practice;
- an expanded market for anaerobic digesters in an urban context;
- a network of urban farmers/gardeners benefitting from mutual learning;
- policy recommendations for cities and NGOs;
- publications and participation in academic conferences

Results will be posted on www.fewmeter.org at regular intervals. Descriptions of planned project outputs and more information on the project team can also be found online.



PARTNERS:



Duration of the project:
2018 - 2021

For further information:
www.fewmeter.org
or contact: lidkap@amu.edu.pl



FOOD ENERGY WATER
METER

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

URBAN EUROPE

BELMONT

European
Commission



FOOD ENERGY WATER
METER

*An integrative model to measure
and improve urban agriculture.*



BACKGROUND



Urban agriculture has received much attention over the last two decades as a practice with multiple benefits, including improved access to healthy food and lifestyles, reduction of food miles, food security, increased biodiversity, and community building. Despite increased interest and activity, many perceive urban agriculture as marginal to urban metabolism. Thus, a deeper understanding of the Food-Energy-Water (FEW) nexus in relation to diverse urban agriculture practices is of utmost importance. The aim of the project is to develop a truly comprehensive system to measure and improve existing urban agriculture practices. Objectives include:

- To understand and optimise the FEW nexus in order to make sustainable use of urban resources;
- To analyze the policy environment of urban agriculture and to identify urban policies and legislation that support or impede resource-efficient urban agriculture.
- To explore the potential contribution of urban agriculture to a regional-scale sustainable system of food production from a material flow perspective.

APPROACH AND METHODOLOGY

The FEW-meter project will model the resource flows of urban agriculture through case study analysis. Urban farmers and researchers will collect data over two growing seasons on energy, water and other resource inputs as well as horticultural and livestock outputs. In addition, information on physical infrastructures on-farm and social indicators will be gathered to feed into the material flow analysis.

To form an online community of urban farmers to gather data



To develop and co-create the FEW-meter methodology



To gather and analyse data from case studies

To analyse policies and develop scenarios of optimal use of urban resources, using material flow analysis



To develop two experiments: soil remediation and use of anaerobic digestion

WHO WE ARE



The FEW-meter is an international case study with **13** project partners from Poland, Germany, France, UK and the US - divided into Garden Associations, Municipalities, SME, and Universities and Research Institutions

Garden Associations

- 1** Landesverband Westfalen Lippe der Kleingärtner e. V., Lünen, GE
- 2** Social Farms and Gardens, London, UK
- 3** Polski Związek Działkowców, PL

Municipalities, SME

- 1** Gorzów Wielkopolski, PL
- 2** Nantes, FR
- 1** LEAP micro AD Ltd, London, UK

Universities and Research Institutions

- 1** Adam Mickiewicz University and Poznań University of Life Sciences, PL
- 2** AgroParisTech, Paris, France
- 3** IRSTV, Nantes, FR
- 4** Kent School of Architecture and Planning, University of Kent, UK
- 5** City University of New York, USA
- 6** University of Michigan, USA
- 7** ILS - Research Institute for Regional and Urban Development, Dortmund, GE

