WORKSHOP: URBAN METABOLISM

Date: May 20, 2015
Time: 12:30 - 17:30
Location: AMS-KIT building, Mauritskade 62
Amsterdam, the Netherlands

WAGENINGEN UR
For quality of life

AMS
AMSTERDAM INSTITUTE FOR
ADVANCED METROPOLITAN SOLUTIONS

TU Delft

Program:

12:30 – 13:15 Welcome (lunch)

13:15 – 13:30 Opening

Huub Rijnaarts (Environmental Technology, Wageningen UR)
Chairman: Jan Weijma (Environmental Technology, Wageningen UR)

13:30 – 14:30 Presentation session 1:

Closing the loop between (waste) nutrients and food

Nutrient (N and P) flows in agricultural and sanitation systems: Case study of a small island
Indra Firmansyah
Environmental Technology, Wageningen UR

Agri-San: Increasing urban self-sufficiency by integrating urban agriculture and new sanitation
Rosanne Wielemaker
Environmental Technology, Wageningen UR

Modelling the city of the future

Urban energy systems: Demand forecasting
Delaram Azari
Environmental Technology, Wageningen UR

Dynamic simulation of urban energy-water cycles
Elvira Bozileva
Environmental Technology, Wageningen UR

Role of stakeholders and institutions in urban systems

Modelling and simulation to understand the evolution of institutions
Amineh Ghorbani
Energy and Industry Group, Faculty of Technology, Policy and Management, TU Delft

Urban Metabolism: Practical implementation and stakeholder involvement
Tiemen Nanninga
LeAF, Wageningen UR

14:30 – 15:00 Coffee break

Program:

15:00 – 16:00 Presentations session 2:

Urban design: the role of water, heat and green space

Performative Nature: Urban landscape infrastructure design in water sensitive cities
Taneha Bacchin
Environmental Technology & Design, Faculty of Architecture & the Built Environment, TU Delft

Crowd sourcing the Urban Heat islands: Implications for health and urban design
Alex Wandl
Environmental Technology & Design, Faculty of Architecture & the Built Environment, TU Delft

Green infrastructure for climate proof cities
Wiebke Klemm
Landscape Architecture, Wageningen UR

Circular metabolism: Redesigning the urban landscape

Accounting for biophysical processes and ecosystem services in Material/ Energy Flow Analysis. What perspectives for "green" urban design?
Daniela Perrotti
Landscape Architecture, Wageningen UR

Unravelling the dynamics of Amsterdam's metabolism
Ilse Voskamp
Landscape Architecture and Environmental Technology, Wageningen UR

Securing beneficial resource cycles in the built environment; the role of the neighbourhood
Bob Geldermans
Climate Design Group, Faculty of Architecture & the Built Environment, TU Delft

16:00 – 16:25 Discussion
How can AMS be boosted with running Urban Metabolism research at Wageningen UR and TU Delft?

16:25 – 16:30 Session closure
Renee Hoogendoorn (Director of AMS)

16:30 – 17:30 Drinks