

Half-day Symposium

Innovative solutions for plant cultivation in the urban environment

4 October 2018

Orion building, Wageningen Campus, the Netherlands



SCOPE

In recent years, due to the increasing relevance of urban agriculture in world cities, a number of interdisciplinary researches on associated topics is emerging. Urban horticulture is being promoted in cities from all over the world with the main aim of fostering food security and associated ecosystem services.

In the World South, family and community gardens play a crucial role in both income generation and dietary intake of indigent urban dwellers. In these contexts, simplified cultivation technologies (such as for instance, microgardens or organoponics) are being explored. On the other hand, in the North of the World several experiences apply state of the art growing solutions, maintaining a special focus on environmental and social sustainability. The highly dense urban fabric may lead to experiment cultivation in spaces that were not previously meant for hosting plants, as in the cases of rooftop greenhouses or artificially illuminated indoor environments. However, construction laws and the specific features of the urban environment (which affect, among other factors, resource use efficiency and microclimate management) represent new challenges that need the proactive collaboration between different expertise (e.g. combining agronomy and plant physiology with civil engineering and architecture).

As innovation occur, sustainability assessment becomes crucial to understand how the different urban agriculture business models may result in environmental protection and income generation. In this half-day symposium, the multifaceted aspects associated with innovation in urban horticulture will be addressed.

LECTURERS

- Francesco Orsini - Bologna University, Italy
- Cecilia Stanghellini - Wageningen University and Research
- Leo Marcelis - Wageningen University and Research
- Luuk Graamans - Wageningen University and Research
- Bernd Poelling - South Westphalia University of Applied Sciences, Germany

ORGANISERS

This conference is organised by Francesco Orsini, Leo Marcelis and Cecilia Stanghellini under the auspices of PE&RC.

PROGRAMME

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| 14:00 - 14:30 | Typologies of plant cultivation systems in cities from the North and South of the World - Francesco Orsini (Bologna University, Italy) |
| 14:30 - 15:00 | Growing plants in rooftop greenhouses - Cecilia Stanghellini (Wageningen University and Research, The Netherlands) |
| 15:00 - 15:30 | Indoor plant cultivation - Leo Marcelis (Wageningen University and Research, The Netherlands) |
| 15:30 - 16:00 | Coffee break |
| 16:00 - 16:30 | Sustainability of Urban Agriculture growing systems - Luuk Graamans (Wageningen University and Research, The Netherlands) |
| 16:30 - 17:00 | Business models in urban horticulture - Bernd Poelling (South Westphalia University of Applied Sciences, Germany) |
| 17:00 - 17:30 | Wrap up and conclusions |
| 17:30 | Farewell cocktail |

FEE

Participation is free of charge, but we request you to register via the link below.

REGISTRATION AND INFORMATION

www.pe-rc.nl/postgraduate-courses/symposium-innovative-solutions

Or contact:

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