

Outdoor solutions for climate adaptation *from street to city scale*

online symposium

Thursday 9th - Friday 10th September
Starting at 10:00 CEST

Organized by:

CARLO
RATTI
ASSOCIATI®

University of
Kent

With the support of:

 **WAGENINGEN**
UNIVERSITY & RESEARCH

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Symposium Program

DAY ONE

Thursday 9th September

10:00 - 17:30 CEST

Introduction

Welcome note & Agenda of the day

Juan Carlos Romero, CRA

10:00 - 10:15 CEST

Introduction to the SOLOCLIM project and its Consortium

Juan Carlos Romero, CRA

10:15 - 10:30 CEST

Key-note

Prof. Carlo Ratti, MIT Senseable City Lab & Carlo Ratti Associati

10:30 - 11:00 CEST

Vegetation-based solutions for outdoor climate adaptation

Sustainability, Micro-climate and Thermal Comfort for the Design of Future Green Cities

Prof. Dr.-Ing. Nicole Pfoser

11:00 - 11:25 CEST

Research presentation

Maricruz Solera, Wageningen University and Research, Zinco

11:25 - 11:35 CEST

Q&As

11:35 - 11:45 CEST

From a practice perspective, what are the essentials for green infrastructure design guidelines?

Dr. Gerald Mills

11:45 - 12:10 CEST

Research presentation

Yehan Wu, Wageningen University and Research, Foster + Partners

12:10 - 12:20 CEST

Q&As

12:20 - 12:30 CEST

BREAK

12:30 - 13:00 CEST

Water-based solutions for outdoor climate adaptation

Evaporative Cooling Principles and Technique

Dr. Philippe Rahm

13:00 - 13:25 CEST

Research presentation

Adrian Moredia, Politecnico di Milano, Arcadis

13:25 - 13:35 CEST

Q&As

13:35 - 13:45 CEST

How to unlock the multifunctionality of water-based solutions to create cities that are cooler, healthier, resilient, and dynamic?

Dr.ir. Jeroen Kluck

13:45 - 14:10 CEST

Research presentation

Mariana Pereira, Politecnico di Milano, Arcadis

14:10 - 14:20 CEST

Q&As

14:20 - 14:30 CEST

Climate-responsive systems for outdoor climate adaptation

Climate-responsive devices for improving user experience in outdoor urban spaces

Prof. Mat Santamouris

14:30 - 14:55 CEST

Research presentation

Sinéad Nicholson, University of Kent, Carlo Ratti Associati

14:55 - 15:05 CEST

Q&As

15:05 - 15:15 CEST

Climate-driven urban design to improve user comfort conditions

Prof. Thomas Auer

15:15 - 15:40 CEST

Research presentation

Marika Tomasi, University of Kent, Carlo Ratti Associati

15:40 - 15:50 CEST

Q&As

15:50 - 16:00 CEST

BREAK

16:00 - 16:30 CEST

Public Debate

Public Debate

Prof. Dr.-Ing. Nicole Pfoser, Dr. Gerald Mills, Dr. Philippe Rahm, Dr.ir. Jeroen Kluck, Prof. Thomas Auer and 6 SOLOCLIM Researchers

16:30 - 17:30 CEST

Moderated by Daniele Belleri Carlo Ratti Associati

Closure & Announcements for DAY 2

Juan Carlos Romero, Carlo Ratti Associati

17:30 - 17:35 CEST

Symposium Program

DAY TWO

Friday 10th September

10:00 - 15:30 CEST

Introduction

Welcome note & Agenda of the day
Monika Löve, Carlo Ratti Associati

10:00 - 10:10 CEST

Vegetation-based solutions for outdoor climate adaptation

Round table

Prof. Dr. Nicole Pfoser, Dr. Gerald Mills, Dr. Cecil Konijnendijk, Dr. Wiebke Klemm, Dr.ir. Marc Ottel , Dr.ir. Marjolein Pijpers-van Esch and Maricruz Solera, Yehan Wu

10:10 - 11:40 CEST

Moderation:

Prof. Dr. Sanda Lenzholzer, Wageningen University and Research

Subjects:

Assessing the effects of green infrastructure on microclimate (Yehan)
and
Research and Development for fabrication of green prototypes (Maricruz)

BREAK
11:40-12:10 CEST

Water-based solutions for outdoor climate adaptation

Round table

Dr. Philippe Rahm, Dr.ir. Jeroen Kluck, Ing. Dirk van Peijpe, Dr. Marjorie Musy, Paolo Cresci, Prof. Herbert Dreiseitl and Adrian Moredia. Mariana Pereira

12:10-13:40 CEST

Moderation:

Prof. Marialena Nikolopoulou, University of Kent

Subjects:

Creating outdoor cooling networks in cities: the role of water-based solutions in the urban scale (Mariana)
and

Innovative Water-Based Cooling Systems in the Era of Urban Heat (Adrian)

BREAK
13:40-13:50 CEST

Climate-responsive systems for outdoor climate adaptation

Round table

Prof. Mat Santamouris , Prof. Thomas Auer, Prof. Koen Steemers, Belinda Tato, Piero Pelizzaro and Sinead Nicholson, Marika Tomasi

13:50-15:20 CEST

Moderation:

Emma Greer, Carlo Ratti Associati

Subject:

Strategies for creating comfortable outdoor spaces for urban users: street scale to city scale

Closure

Closure

Prof. Marialena Nikolopoulou, University of Kent

15:20-15:30 CEST



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