SESSION DESCRIPTION

B2 UCCRN Urban Planning and Design Lab

Workshop

Date: Wednesday, 26 June 2019
Time: 16:00-17:30
Rooms: S01-02

Language: English
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Organized by: UCCRN

OBJECTIVE

Enabling transformative climate action in cities requires expanding on the traditional influence and capabilities of urban planning and urban design. Evidence-based strategies demonstrate how transitioning to low-carbon, resource-efficient urban form and climate-resilient natural systems will configure dynamic, desirable and healthy communities.

The UCCRN Urban Planning and Design Lab Session worked with representatives from cities to integrate and scale up mitigation and adaptation principles by reducing energy consumption in the built environment, strengthening community adaptability to climate change, and enhancing human comfort and quality of life. Through the participatory engagement of the City Teams, the Lab demonstrated that through energy-efficient urban planning and urban design, compact urban districts can work synergistically with high-performance construction and landscape configuration to create interconnected, protective, and attractive urban areas that provide mitigation, adaptation, resilience, and transformation.

The experts conducted a series of interactive exercises with city stakeholder participants. The approach to urban climate intervention followed a four-phase strategy: Climate analysis mapping, public space evaluation, planning and design intervention, and post-intervention evaluation. This session tested and applied ARC3.2 research with the goal of extending the approach to configure or retrofit compact, mixed-use eco-districts. Building massing, urban ventilation, solar impacts, green infrastructure and anthropogenic factors will shape the outcomes.

METHODOLOGY

Facilitator(s) *Christian Braneon, Remote Sensing Specialist, UCCRN, New York, United States*

Mattia Leone, Assistant Professor, Department of Architecture, University of Naples, Naples, Italy

Enza Tersigni, Researcher, University of Naples, Naples, Italy

16:00 - 16:10 The facilitators provided a short presentation on the Urban Climate Change Research Network and ARC3.2

16:10 – 16:30 The session began with a presentation on four evidence-based urban form and urban function Climate Factors and explored how they enable transformative climate action in cities by expanding on the traditional influence and capabilities of urban planning and urban design.

16:30 - 17:15 Teams of participants were drawn from city government and stakeholders from each city participating in the session. The teams interacted and learned from each other's experiences in their on-going climate change programs and developed perspectives on taking their efforts to the next level of engagement and implementation.

17:10 - 17:30 Summary of team break-out sessions, group discussion, and conclusions.

With thanks to: *Cynthia Rosenzweig, Senior Research Scientist, UCCRN, New York, United States*