Climatic Urbanism

From City Climates to Climate Cities

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10–11 November 2022

Accademia di architettura

Mendrisio
Palazzo Canavée
Hall C 0.61

Istituto di studi urbani e del paesaggio

2nd Symposium
of the
Istituto di studi urbani
e del paesaggio
(ISUP)

Climatic Urbanism

From City Climates to Climate Cities

organised by
Jonathan Sergison
Sascha Roesler
Frédéric Bonnet
João Nunes

with the support of
Mosé Cometta
and Enrico Sassi

The challenges posed by global warming to the disciplines of architecture, landscape architecture and urban design are unprecedented. Being responsible for "one-third of global final energy consumption," the construction sector is also one of the primary causes of "total direct and indirect CO_2 emissions" ("nearly 40%") and as such, is one of the key drivers of climate change (International Energy Agency, 2021). The transformation of ecosystems and rising temperatures will lead to the comprehensive and continuous adaptation of the built environment. The political goal of net-zero emissions will have to be transferred not least by the planning disciplines into reality.
In the twenty-first century, cities are not only main contributors to climate change; they are also particularly affected by global warming. Cities will have to adapt by creating new infrastructures, decarbonizing material cultures and introducing new forms of climate control. In Swiss cities for example, ever warmer summers are leading to the increased use of air conditioning during the summer months where two decades ago such mechanical cooling was virtually inexistent. Energy transition and climate adaptation should be conceived as one and the same process: cities are not easily governable entities but they are *"the communities, spaces and political arenas through which change is invented, implemented, enacted and experienced in always specific and different ways"* (Rutherford and Coutard 2014).

The symposium sheds light on the growing capacities of societies to provide climatic data (via thermal measurements, simulation techniques etc.), while highlighting evidence-based design strategies referring to urban climates. Each presenter foregrounds one specific city. Based on urban design projects and empirical case studies from cities around the world, the future practice of climate adaptation shall be discussed. The objective is to assess the different scales of urban climate adaptation and their cultural, political and economic contexts.

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Opening	9.00	Registration
	9.15	Welcoming address, Walter Angonese (Dean ARC-USI)
	9.20	Introduction, Jonathan Sergison (Director of ISUP-USI)
	9.30	Introduction, Sascha Roesler (ARC-USI)
Session 1 **10.11. 2022**	10.00	Introduction, Moderator: João Nunes
	10.15	**Milan (Italy)** Niccolò Aste (Politecnico di Milano)
	10.45	**Eilat (Israel)** Els Verbakel (Bezalel Academy, Jerusalem)
	11.15	**Lisbon (Portugal)** João Seixas, (Universidade Nova de Lisboa)
	12.15	Discussion with all speakers, João Nunes, and Mosè Cometta
	13.00	Lunch break
Session 2 **10.11. 2022**	14.30	Introduction, Moderator: Frédéric Bonnet
	14.45	**Paris (France)** Umberto Napolitano (Columbia GSAPP)
	15.15	**Nantes (France)** Florian Dupont (Engineer, Zefco Company, Nantes)
	15.45	**Rio de Janeiro (Brazil)** Carla Juaçaba, (guest prof. ARC-USI)
	16.15	Discussion with all speakers, Frédéric Bonnet, and Mosè Cometta

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Session 3 **11.11. 2022**	10.00	Introduction, Moderator: Jonathan Sergison
	10.15	**San Juan (Puerto Rico)** Monica Rivera (Lopes Rivera Arquitectos, Barcelona)
	10.45	**Bucharest (Romania)** Irina Davidovici (GTA, ETH Zürich)
	11.15	**Monaco (Germany)** Muck Pezet (ARC-USI)
	11.45	Discussion with all speakers, Jonathan Sergison, and Giulia Scotto
	12.30	Lunch break

Session 4 **11.11. 2022**	14.00	Introduction, Moderator: Sascha Roesler
	14.15	**Manchester (United Kingdom)** Hannah Knox (University of London)
	14.45	**Jakarta (Indonesia)** Kian Goh (UCLA, Los Angeles)
	15.15	**Valencia (Spain)** Francisco Leiva (University of Alicante)
	15.45	Discussion with all speakers, Sascha Roesler, and Giulia Scotto

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