



Event Details

Title of event

Understanding Urban Resilience: knowledge gaps, capacity building; and delivering sustainable & resilient infrastructure.

Organization Details

Organization: University of Southern Denmark and ARUP

Organization Country: United Kingdom

Summary

[Today over 50% of world population lives in urban areas, and cities account for 60-80% of global energy consumption and the same level of greenhouse gases emissions, producing 50% of global waste, consuming 75% of natural resources and producing 80% of global GDP.]

Cities and their populations are vulnerable and increasingly exposed to rapid and slow on-setting climate and environmental disasters, which frequency and intensity is growing exponentially. Cities are also major centres of economic activity, social life and culture, innovation and knowledge-creation. Urban resilience aims at increasing the ability of urban systems, to respond systemically and dynamically to present and future shock and stresses related to major global challenges as: un-sustainable development patterns, rapid and un-planned urbanization, climate change mitigation and adaptation. Urban resilience is instrumental to address both causes and effects of these mayor global challenges, re-thinking the way in which cities are designed, planned and managed, at the same time fostering innovation and increasing quality of life for its citizens, through just transition, in the frame of the 2030 Agenda for Sustainable Development, the New Urban Agenda, the Paris Agreement and the Sendai Framework for Disaster Risk Reduction.

The event is divided in two sessions:

- the first, aimed at understanding urban resilience knowledge gaps on and needs for capacity building and skills development.

This session aims at discussing key challenges for urban resilience, and the role of culture and innovation for a resilient transition, focusing specifically on knowledge gaps, capacity building and skills development needs. The presentations and debate will draw on the outcomes of BLOXHUB Summer School on Urban Resilience (September 2019, Copenhagen) for practitioners, policy makers and researchers, and also the highlights from the research 'Understanding Urban Resilience' conducted by researchers from University of Southern Denmark, Imperial College London, Massachusetts Institute of Technology and University IUAV of Venice.

- the second, aimed at understanding urban resilience operationalization through nature-based solutions and strategic infrastructures.

This session aims at discussing innovation in designing and implementing infrastructure at city and regional scale that is both resilient and sustainable in countries and cities of the developing world, integrating both eco-system services and climate change projections in planning and design. Daily planning and design decisions uproot urban and indigenous culture, affect eco-system services, and expose more people to the negative effects of climate change. The presentation and debate draw from a review of innovating practices across several regions of the world that integrate both eco-system services and climate change projections in planning and design, conducted in 2019 by the WWF with funding from GIZ, and technical support from Arup conducted.

Prospective moderator, speaker(s) or panelist(s)

	First Name	Last Name	Role	Organization
1	Nicola	Tollin		University of Southern Denmark
2	Alexandros	Makarigakis		UNESCO
3	Sanjaya	Bhatia		UNDRR
4	Esteban	León		UN-Habitat
5	Roberto	Rocco		Delft University of Technology
	Francesco	Musco		University IUAV of Venice
	Grazia	Brunetta		Technical University of Turin
	Sarder	Alam		ICCCAD
	Pasquale	Capizzi		Arup
	Dražen	Kučan		Green Climate Fund
	María	Costa		GERICS/Helmholtz
	Carmen	Vogt		GIZ
	Marcus	Mayr		UN-Habitat
	Maryke van	Staden		ICLEI World Secretariat
	Simone	Sandholz		United Nations University
	Indra-Jeet	Mistry		WWF Cities (Sweden)