8th International Conference on Building Resilience, 7-9 November 2018, Lisbon

Considering the Sendai Framework for Disaster Risk Reduction 2015-2030 we expect submissions to be aligned, in particular, with priority 3 "Investing in disaster risk reduction for resilience".

Track: **3F**

New Directions in Resilient Infrastructure: Critical, Decentralized, and Hybrid Systems Built to Serve People

Description of Track Scope

Infrastructure – how it is defined, valued, designed, and funded – is changing in an era of superstorms, extreme temperatures & precipitation, and shrinking national, regional, and municipal budgets.

Who infrastructure serves best – and who it leaves behind – and how it must be reconceived in a regime of a changing climate to serve more justly and equitably is a central consideration.

Main Questions

Participants will explore the following questions about infrastructure, moving from the general to specific examples and contexts:

1. Defining infrastructure
2. Defining risk as it relates to infrastructure
3. Defining resilience as it relates to infrastructure
    a. For whom? To what? Who decides?
    b. Resilience as a process/diagnostic vs. end goal

    c. Must infrastructure itself be resilient, or does infrastructure contribute to resilience?
4. How is infrastructure traditionally valued? How should it be valued in an era of shortages?
5. Who does infrastructure serve?
6. What does it do, what should it be doing, and for how long?
7. Why is it needed in the first place?
8. How can it be tailored to better serve marginalized, vulnerable populations, and displaced peoples in a regime of a changing climate?

Goals

According to the identified UNISDR's Sendai Framework for Disaster Risk Reduction goals, the track seeks case study examples that explore the drive toward the decentralization and interconnection of infrastructure, and which address the Sendai Framework goals cross-disciplinarily. The focus will be on actionable strategies for funding, creating, and maintaining more responsive and resilient infrastructural systems.

Themes

- Traditional infrastructure
- The Drive to Decentralization and Interconnection
- Benefits and risks of decentralization and interconnection
- Scaling down while scaling up
- Decentralized green – stormwater management (green roofs, bioswales, etc.)
- Aggregation for economies of scale: microgrids, neighborhood power, community solar programs, etc.
- Housing as critical infrastructure
- Hybrid & Green infrastructure

Deadline

Abstract submissions close 4 March 2018, 12PM, GMT + 1,00 TIME.
For more information and online submission, please visit buildresilience.org/2018

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