

Session ID: SHR-3

Title

MANAGING EARTHQUAKE RISK THROUGH MULTI-LATERAL PARTNERSHIPS

Convenors

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Description

In recent decades, the accelerated and sometimes unregulated development of urban areas in earthquake-prone regions, has significantly increased the seismic risk worldwide. Leaving unaware populations and governments vulnerable to disasters. The recent earthquake sequence that affected Turkey and Syria has increased awareness of the need for effective earthquake risk management.

Seismic risk assessment provides a powerful tool for this purpose, providing useful insights to inform risk management mechanisms, such as developing regulations, emergency planning, insurance pricing and disaster response. Risk professionals must navigate the many differences in scientific development, as well as in construction practices and regulations, which constitute the context for the built environment in different parts of the world. This creates a specific challenge in every region where risk assessment is to be implemented.

Public-private partnerships represent a solution to this challenge, allowing private practitioners and institutions, such as insurance and consulting firms, to liaise with local authorities to derive specific solutions, which are both in-line with modern risk assessment practices and in-tune with the reality of each region. This session explores lessons learned from successful examples of such partnerships, where multiple stakeholders, spanning across either: public and private sectors, global experts and local scientists, or engineers and planners; collaborate to effectively contribute to the de-risking of governments, reduce the protection gap, and ultimately increase earthquake resilience around the world.

Invited Speakers

M.J. Barrera ³, M. Edwards ⁴, E. Wandari ⁵

Affiliations

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