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Title

IMPROVING SEISMIC RESILIENCE IN HOUSING: REFLECTING ON 20 YEARS PAST AND STRATEGIES FOR THE FUTURE

Convenors M.L.B. Collins¹

Description

Seismic risk in substandard houses is a common problem around the world, often with the residential sector comprising the largest portion of losses in an earthquake. According to UN Habitat, by 2030, three billion people will be living without adequate housing. Inadequate housing is disproportionately inhabited by the poor, putting those who are already vulnerable most at risk when earthquakes and other shocks strike. Investment in better, safer, and more equitable housing must be prioritized to protect peoples health and well-being and to better withstand future disasters.

Working with nearly 200 partners across 26 countries for the last 20 years, Build Change has implemented programs worldwide to prevent housing loss due to earthquakes and other events. Including both mitigation and disaster response, as well as reconstruction and rehabilitation, these programs were delivered in partnership with public institutions and private stakeholders to apply innovative technical and strategic approaches adapted to different local contexts, integrating heavily and building on local building practices, research and industry knowledge.

Presenters working around the world, both those who have contributed to the critical knowledge base and those that are advancing best practices into the future for improving the seismic resilience of housing, will share their experience and insights. Cases from Colombia, Dominica, India, Nepal, the Philippines, the U.S.A, and more will be included, highlighting paths from research to practice, efforts in awareness-raising and capacity building, and the key role of local perspectives and priorities.

Invited Speakers

S. Brezv², H. Imai³, D. Campbell⁴, A.B. Liel⁵, J.P. Mwangi⁶, S. Andrade Pardo^{7,8}, L. Shrestha⁹

Affiliations

¹ Build Change, Denver, USA, ² University of British Columbia, Department of Civil Engineering, Vancouver, Canada, ³ Institute of Technologists, Department of Building Technologists, Gyoda , Japan, ⁴ CEDCO Ltd (Caribbean Engineering and Design Consultants), Kingstown, Saint Vincent and The Granadines, ⁵ University of Colorado, Boulder, USA, ⁶ Cal Poly, College of Architecture and Environmental Design , San Luis Obispo, USA, ⁷ AIS, Asociaciòn Colombiana de Ingenieria Sismica, Bogota, Colombia, ⁸ Build Change Colombia, Bogota, Colombia, ⁹ Build Change Nepal, Kathmandu, Nepal