

International Conference on Building Resilience

Individual, institutional and societal coping strategies to address the challenges associated with disaster risk

2013



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Heritage Ahungalla, Sri Lanka 17th – 19th September 2013

Sri Lanka welcomed 142 local and international delegates for a major international conference on building resilience to disasters

Download the [Press Release](#).

Download the [Delegate List](#) (This does not include attendees at the Southern Provincial Council workshop).

Download the message to the Conference workshop for local government officials from Margareta Wahlström, Special Representative of the Secretary-General (SRSG) of the United Nations for Disaster Risk Reduction [Message from Margareta Wahlström](#).





Book of Abstracts

International Conference on Building Resilience 2013

Individual, institutional and societal coping strategies to
address the challenges associated with disaster risk

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Dr Kaushal Keraminiyage, Dr Udayangani Kulatunga & Dr Chaminda Pathirage

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A novel approach to assess resiliency of energy systems

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The scope of this document is to outline different notions of the term resilience used in the scientific literature and explore how the concept of resilience can be applied to energy systems. Thus the major questions to be addressed are: Which definitions and underlying concepts of resilience are used in the scientific literature? How can resilience be defined with respect to energy systems and which underlying principles can be identified?

Different characteristics of the resilience concept used in various contexts are outlined and a methodology for selection of an indicator set for an energy resilience assessment is presented.

Definitions of resilience, vulnerability and adaptability are very much interlinked. A novel framework is proposed to foster the understanding of the interlinkage between these three terms and to cluster indicators to assess energy system resilience. It is argued that resilience can be defined as a function of vulnerability and adaptability, therefore increasing adaptability or reducing vulnerability causes higher system resilience.

Keywords: resilience, assessment, energy system, adaptive capacity, vulnerability

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