Asia-Pacific
Economic Cooperation

2018/EPWG/SDMOF/007
Session 2c-i

Early Warning for Disaster Risk Reduction: Who's Sharing What with Whom? - Presentation

Submitted by: University of Auckland

APEC 2018
PAPUA NEW
GUINEA

12th Senior Disaster Management Officials Forum
Kokopo, Papua New Guinea
25-26 September 2018

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Asia Pacific Economic Cooperation
25-26 Sep. 2018, Papua New Guinea

Early warning for disaster risk reduction: who's sharing what with whom?

JC Gaillard, The University of Auckland
Ilan Kelman, Univ. College London & Univ. of Agder

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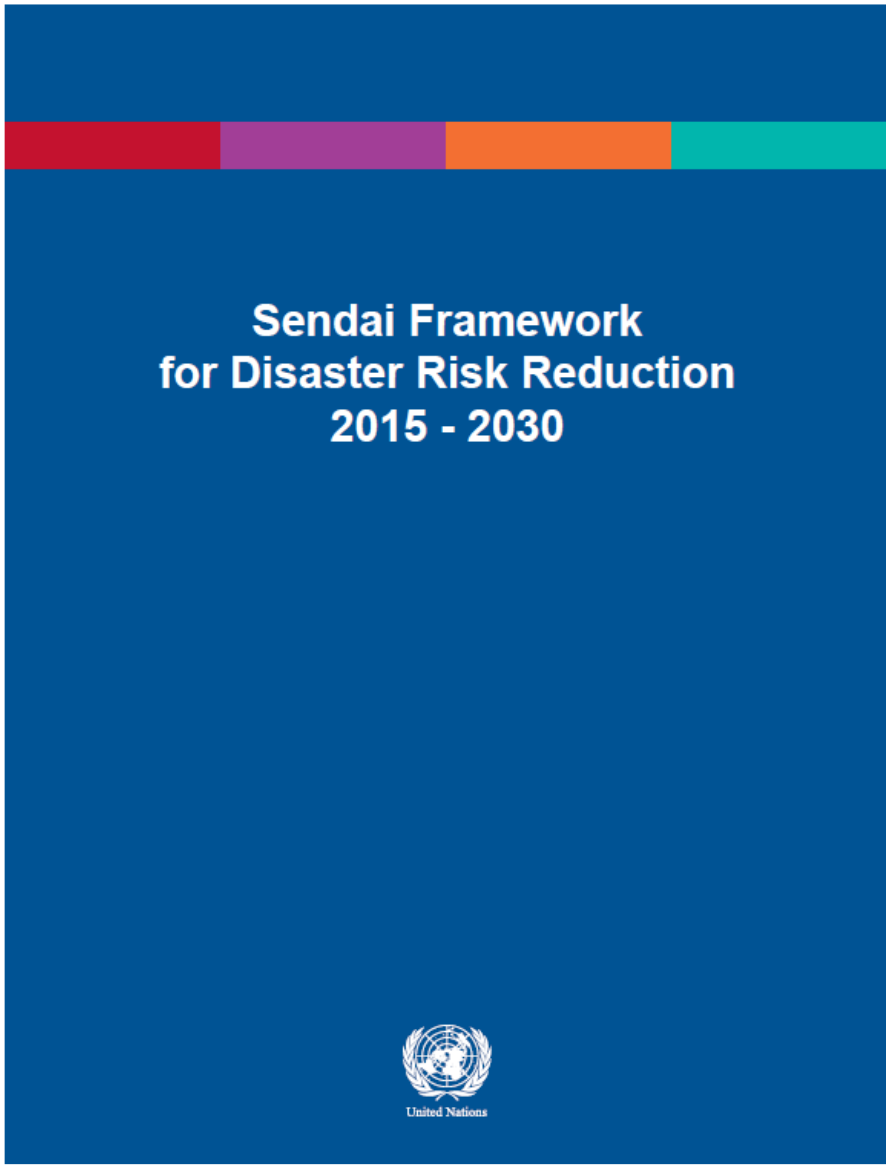
Inclusion in disaster risk reduction



Overall goal of the SFDRR

Prevent new and reduce existing disaster risk through the implementation of integrated and inclusive economic, structural, legal, social, health, cultural, educational, environmental, technological, political and institutional measures that prevent and reduce hazard exposure and vulnerability to disaster, increase preparedness for response and recovery, and thus strengthen resilience

Inclusion in early warning systems

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Inclusive early warning in the SFDRR:

- *To invest in, develop, maintain and strengthen people-centred multi-hazard, multisectoral forecasting and early warning systems;*
- *Older persons have years of knowledge, skills and wisdom, which are invaluable assets to reduce disaster risk, and they should be included in the design of policies, plans and mechanisms, including for early warning;*
- *Indigenous peoples, through their experience and traditional knowledge, provide an important contribution to the development and implementation of plans and mechanisms, including for early warning.*

The myth of the last mile

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Tsunami evacuation sign in Iquique, Chile, Nov. 2014

From the last to the first mile towards inclusion

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Inmates and guards discussing early warning
at the San Mateo Municipal Jail, Philippines, in Jan. 2018

Connecting the last and first miles

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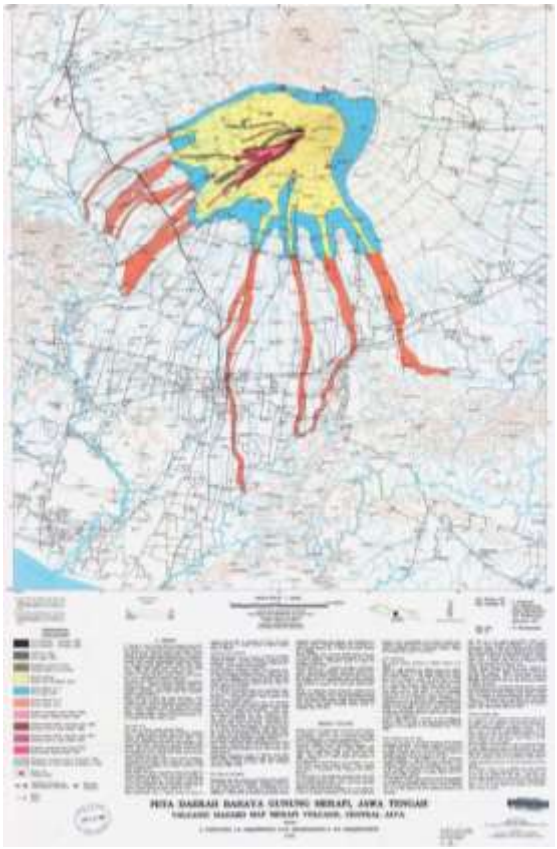
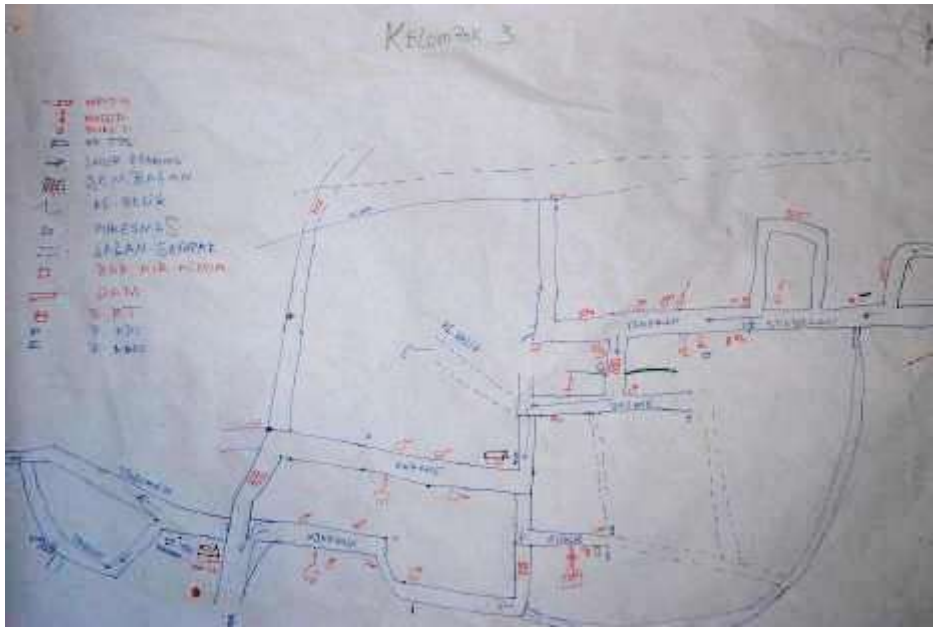


Pre-2010 hazard map for Merapi volcano, Indonesia

Top down actions - Scientific knowledge

GAP ?

Bottom up actions - Local knowledge



Participatory 2D sketch map of a village on the slope of Merapi volcano, Indonesia, July 2009

Knowledge integration and co-existence in EWS

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Marae in Hastings, New Zealand, that hosts people from different cultural backgrounds in the event of evacuation, Aug. 2011

Inclusive early warning systems and culture

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Billabong of Milingimbi island and Yolŋu people, Australia, in July 2017

Inclusion and diversity in early warning systems

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People with diverse physical abilities attending a DRR workshop in Istanbul, Turkey, in Feb. 2017 (*Ç. Akgüngör*)

Silo and inclusion in early warning systems

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UNISDR

Plan

ISDR
International Strategy for Disaster Reduction

Gender Perspectives: Integrating Disaster Risk Reduction into Climate Change Adaptation
Good Practices and Lessons Learned
2008

Children's Action for Disaster Risk Reduction
Views from Children in Asia
2012

An agenda for inclusive early warning systems

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A dialogue between all stakeholders of early warning is essential to:

1/ Ensure everyone recognises each other'svulnerabilities and capacities;

2/ Build rapport and trust so that local people's contributions are recognised and included in inclusive early warning systems;

3/ Make inclusion in early warning culturally-relevant and acceptable to everyone.

An agenda for inclusive early warning systems

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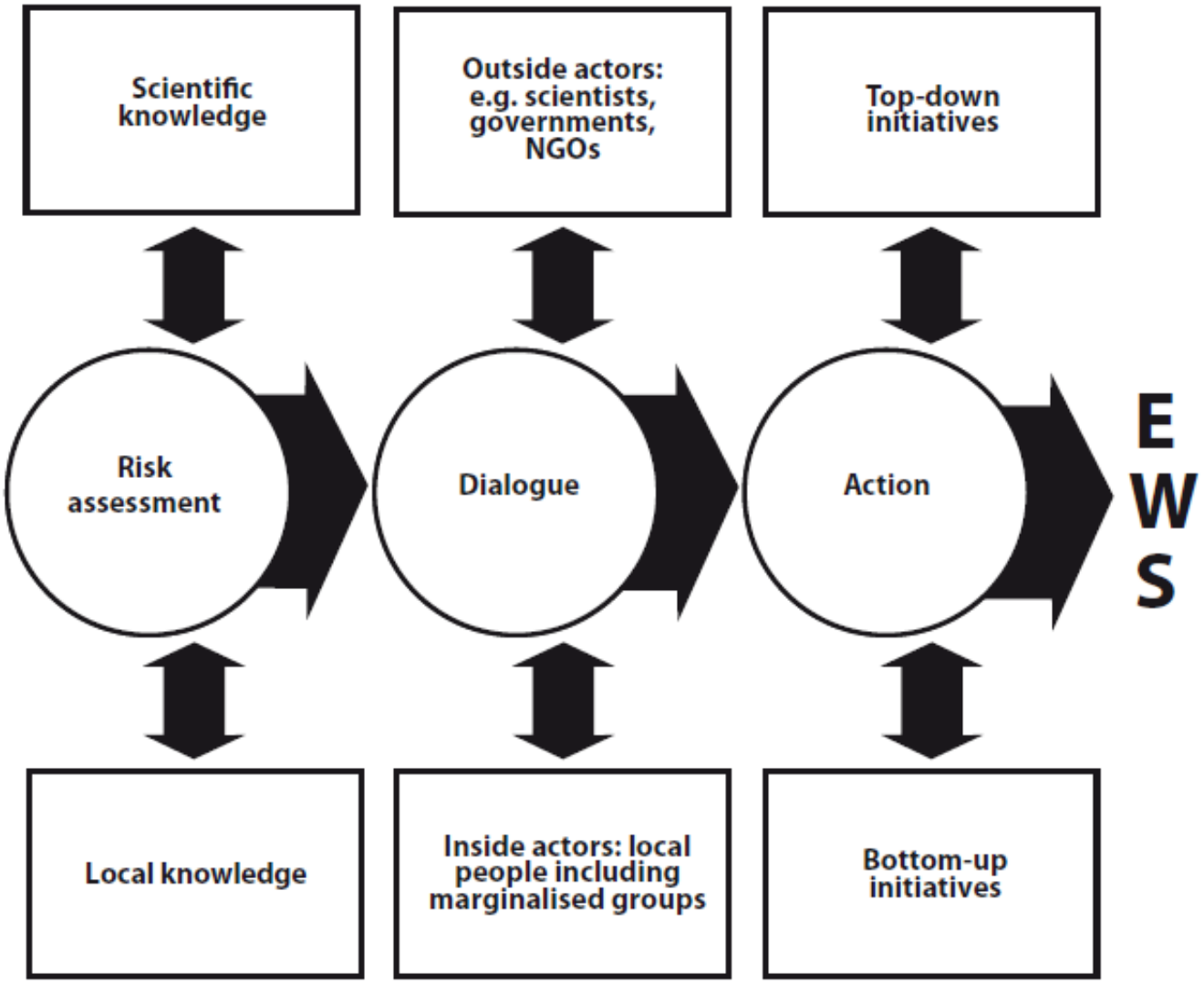

An inclusive framework for early warning systems (EWS)

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THE END...

THANK YOU!

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