

Applying Science to Practice in DRR Experiences from Indonesia

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Room 3



Applying Science to Practice in DRR

"science helps us to save live"

we can use science to help us better understand the challenges we face and identify specific, effective actions that reduce risk







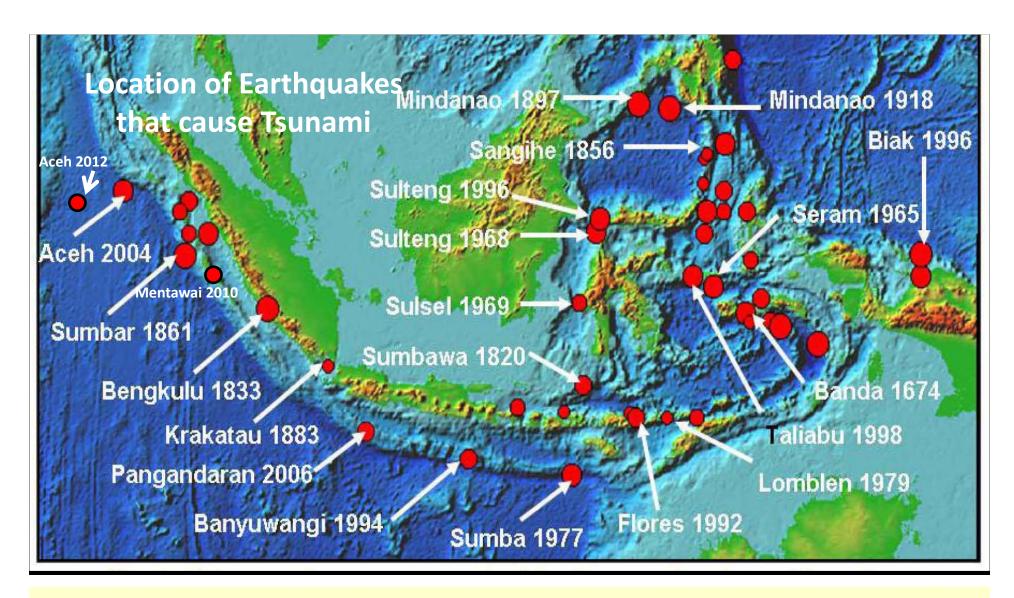






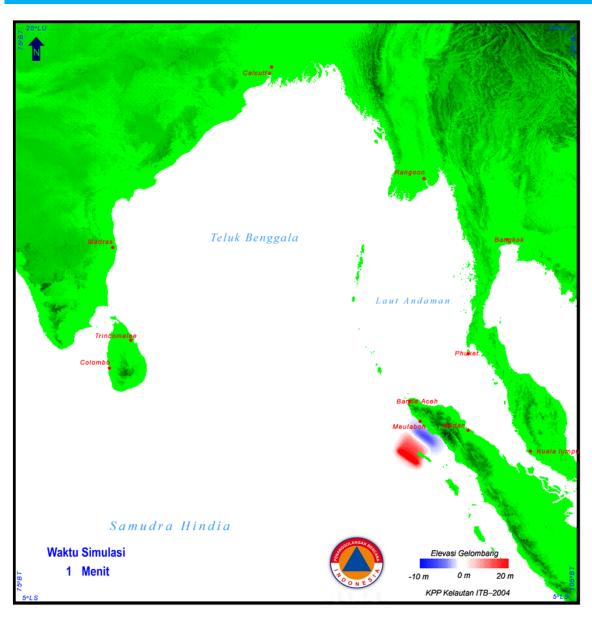






- One of Indonesia's most significant hazards is tsunami.
- On average there is one fatal tsunami every three years in Indonesia.

Aceh Tsunami 2004 as Wake Up Call



Since the tragedy of the 2004 Indian Ocean
Tsunami there has been a big investment in developing the Indonesian
Tsunami Early Warning
System and Indonesia is now much better prepared for tsunami.

Despite the gains, the response to recent large earthquakes shows that we still need to do more to prepare for tsunami.

Indonesian of Masterplan for Tsunami Risk Reduction



Indonesia allocate \$ US 1.8 billion for 2013-2017

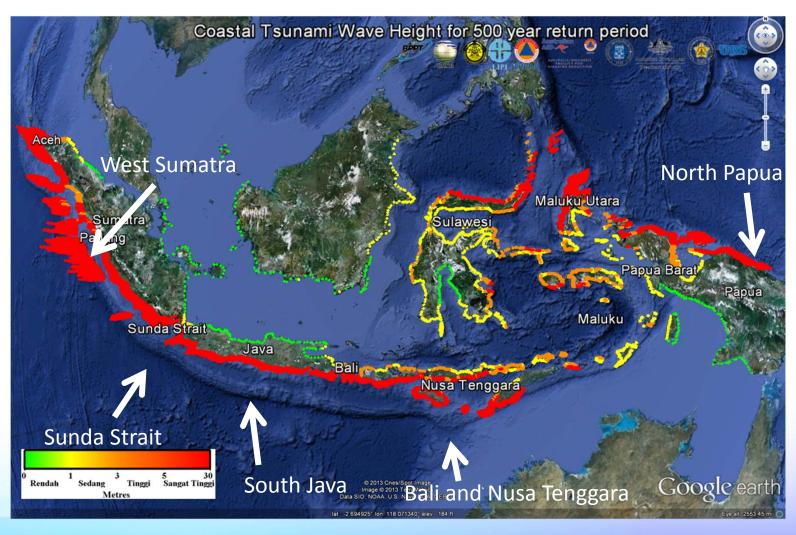
- Strengthening chain of tsunami early warning → development of sirenes, information, earthquake detections, etc.
- 2. Development and increase of temporary evacuation locations → shelter development, evacuation routes, beacons, socializations, etc.
- 3. Strengthening of preparedness capacity and DRR → development of EOC, resilient villages, rules, drills, logistics, equipment, contingency plans, etc.
- Development of autonomous disaster industries → instrumentation industries,
 SME (Small and Medium Enterprise).

Where do we invest first?





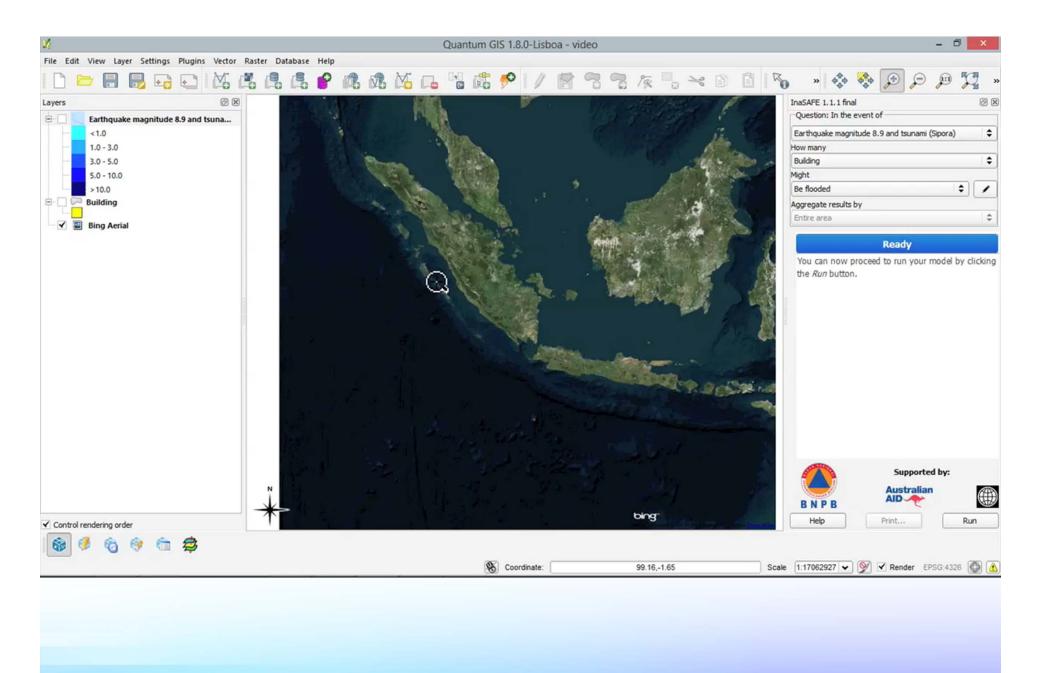
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Lives are saved at the local level

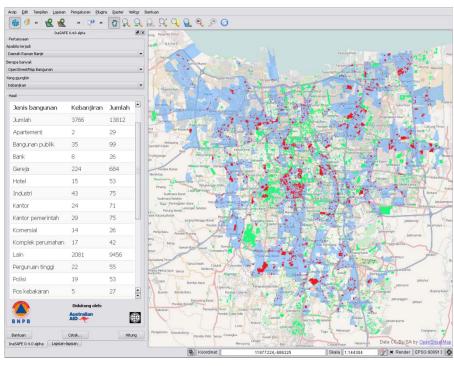






InaSAFE very beneficial for us









Summary

- As DRM practitioners our goal is to decrease risk and save lives. We can
 exploit new science and technology to turn policy into action.
- Implementation of the President's DRR agenda for tsunami is supported by science that defines the scale of the problem and tells us where to work first.
- Innovative technology (InaSAFE) is used to combine scientific and local knowledge, and translate this into a set of questions aimed at disaster managers to trigger specific actions.





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