



CASCADIA LIFELINES PROGRAM

Webinar

Local Residents' Response to the 2018 Indonesia Earthquake and Tsunami

Background

On September 28, 2018, at 17:02 local time, a magnitude 7.5 earthquake occurred with an epicenter 78km North of Palu, Sulawesi Island, Indonesia, at a depth of 10 km. As of October 2019, the death toll was estimated to be over 2200 due to both earthquake and tsunami, with over 1000 still missing. This is approximately 1% of the population of Palu. There were nearly 4500 injured during the event, representing about 1.3% of the population of Palu. Around 75,000 were displaced because of damage to housing due to the earthquake, tsunami and lateral spreading induced by liquefaction.

The content :

The objective of this webinar is to present and share a **NSF-funded RAPID project**: Local Residents' Responses to the 2018 Indonesia Earthquake and Tsunami. The goal of this RAPID project is to use the Protective Action Decision Model- PADM as a guide to collecting **empirical data** on **people's behavioral responses** to the Palu earthquake and tsunami. The content include: Tsunami warning sources, channels, messages and warning dissemination times; People's evacuation preparation times, and departure times; People's evacuation logistics; Local educational program; The ability of physical, social, and household contexts; Social and environmental cues; Demographic characteristics, prior experience, and cultural background; Warning receipt, risk perception, evacuation decisions, and evacuation departure times.

The PIs Wang and Lindell together with local collaborator Dr. Rahmawati Husein have worked closely together and had a field trip to Palu, Indonesia from April 8th to 14th, 2019 and collected 503 samples of household responses from the affected people. This presentation will share the reconnaissance field observations and findings.

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RAPID: Local Residents' Responses to the 2018 Indonesia Earthquake and Tsunami

Zoom Time and Link:

April 16, 2020, 11 a.m. PST

Presenter: Dr. Haizhong Wang

Associate Professor

Civil & Construction Engineering

Oregon State University

Zoom link:

https://oregonstate.zoom.us/webinar/register/WN_ugCHtSsARZKqCuN6LV0XtA

