

## **Judith HUBBARD**

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Judith Hubbard is a structural geologist with a focus on earthquake hazards. She uses a combination of surface data (exposed geology, geomorphology) and subsurface data (seismic reflection data, relocated aftershocks, well logs) to develop realistic geometric and kinematic 3D fault models. She received her BS from Caltech (2005) and her PhD from Harvard University (2011), where she worked on the fault system that sourced 2008 Mw7.9 Wenchuan earthquake, as well as active faults in Southern California. In 2012 she joined the faculty at the Earth Observatory of Singapore. Her group now works on a range of problems, including active-source imaging of the Main Frontal Thrust, Nepal; the deep geometry of the Main Himalayan Thrust; seismic velocities and faulting in eastern Bangladesh; and earthquake hazards associated with large, regional décollement systems. Her group operates a 7-ton Vibroseis truck "Echo" and the TREMBLE seismometer network in Bangladesh.