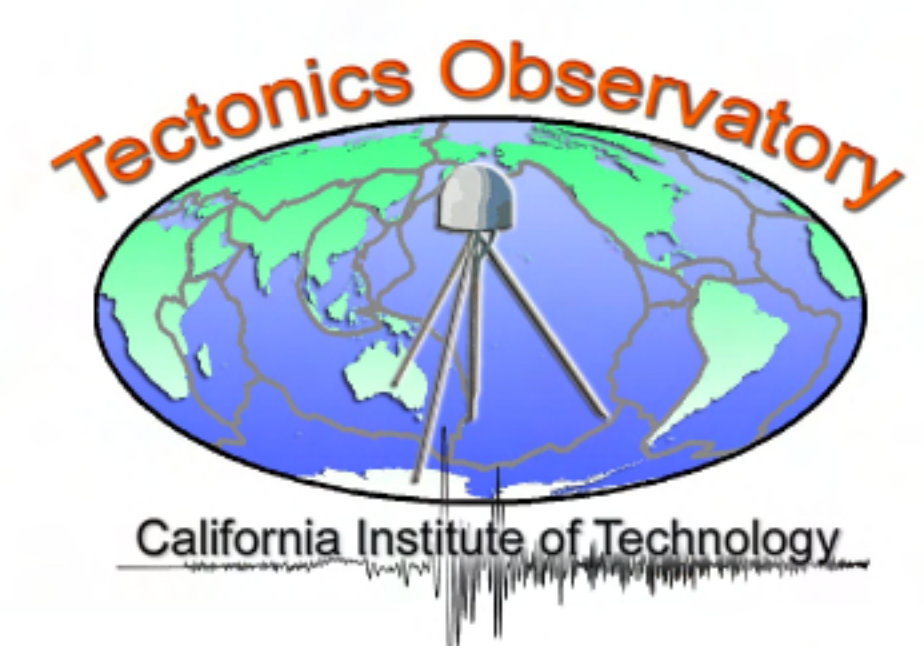




The TO large earthquake slip database

A. Sladen & L. Kovalenko



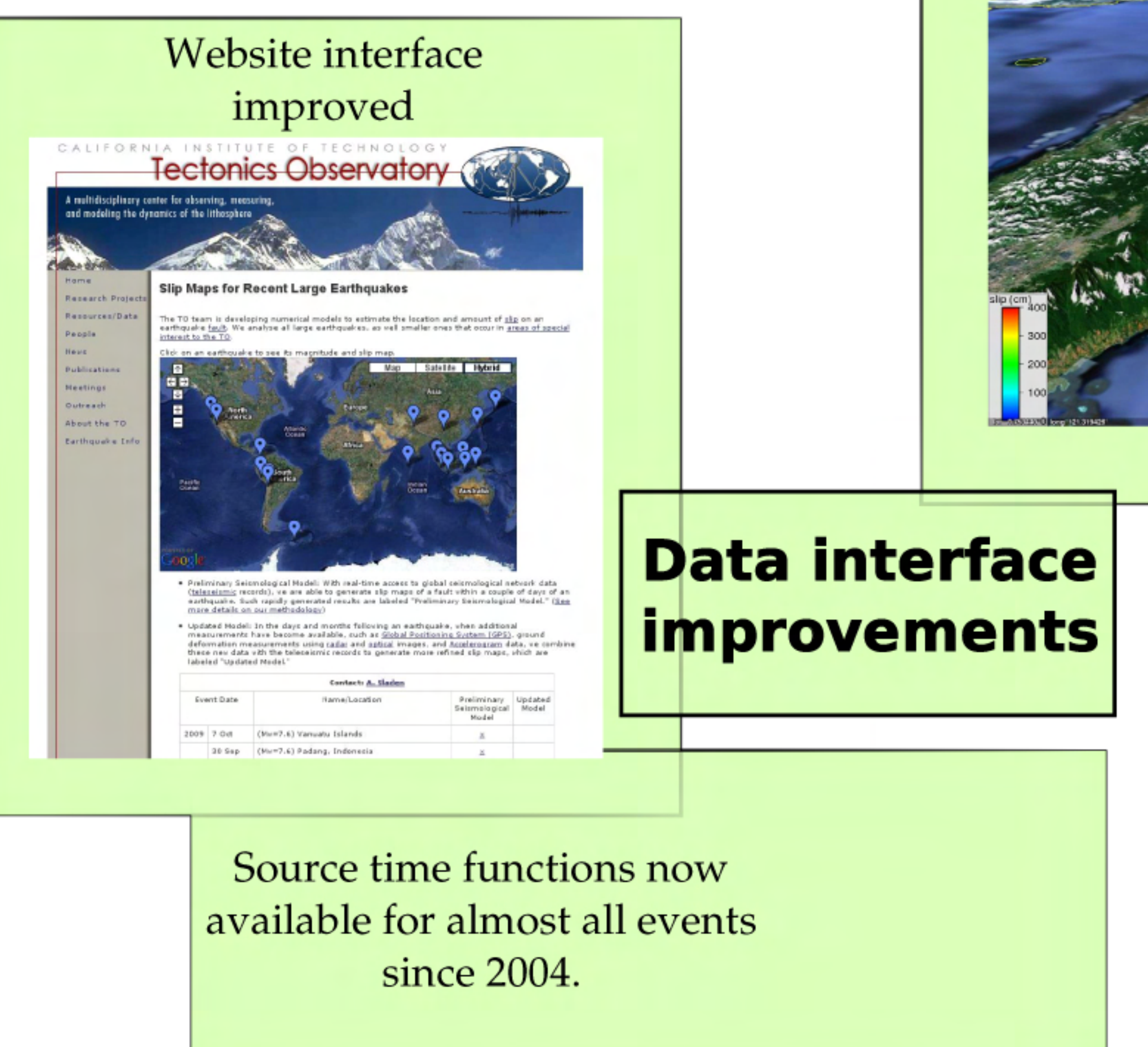
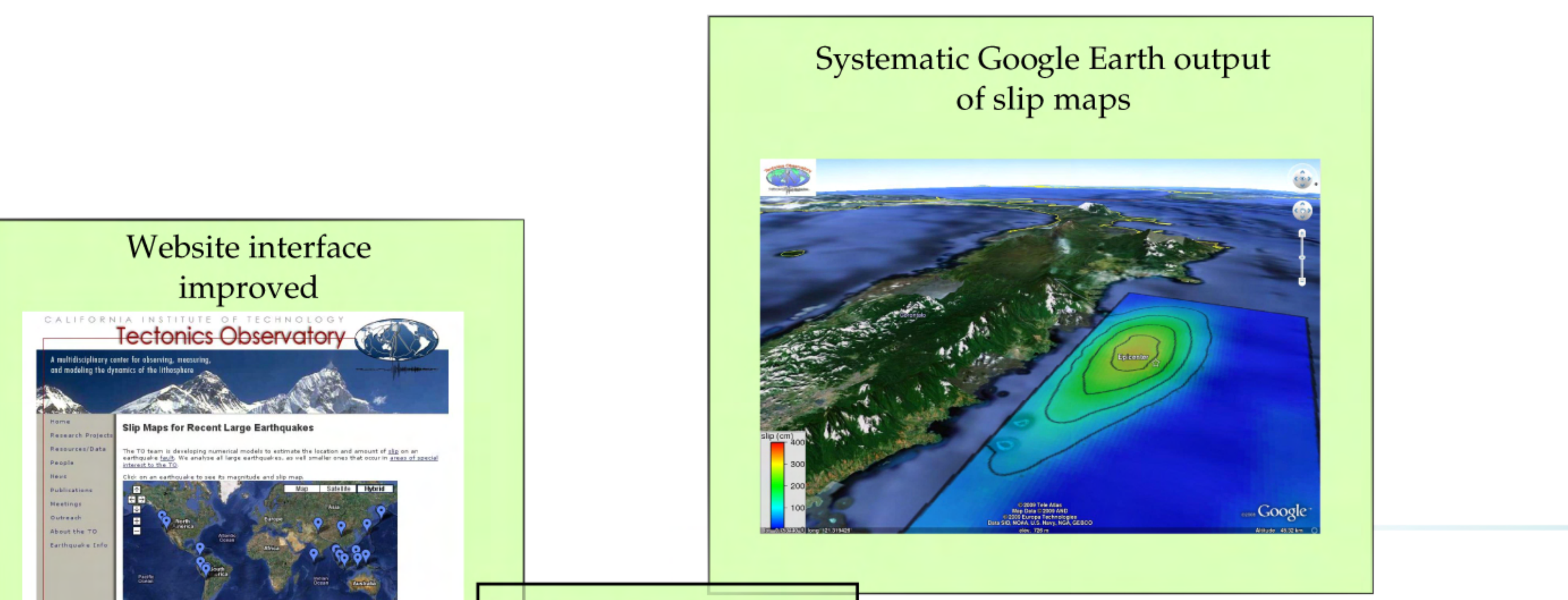
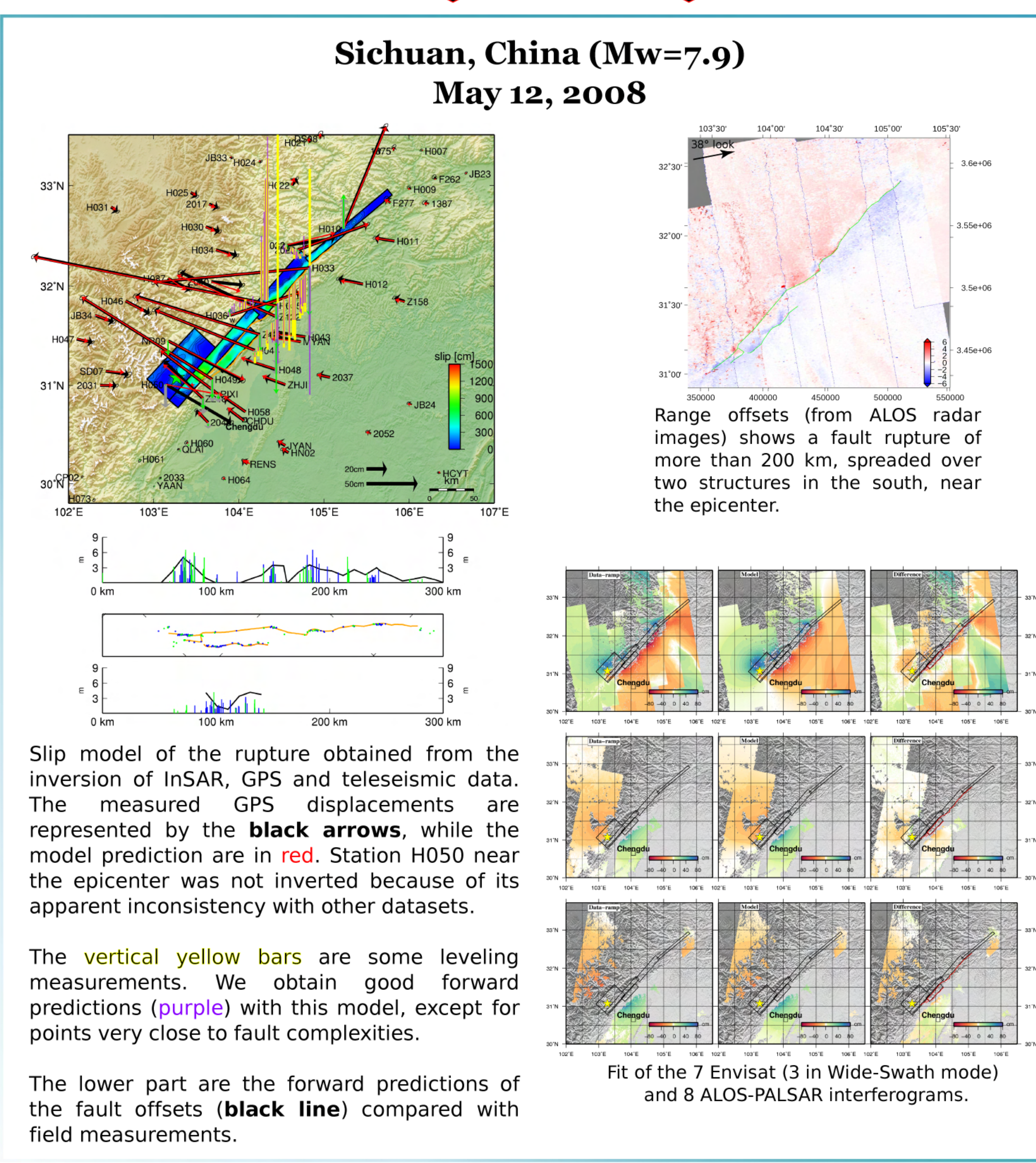
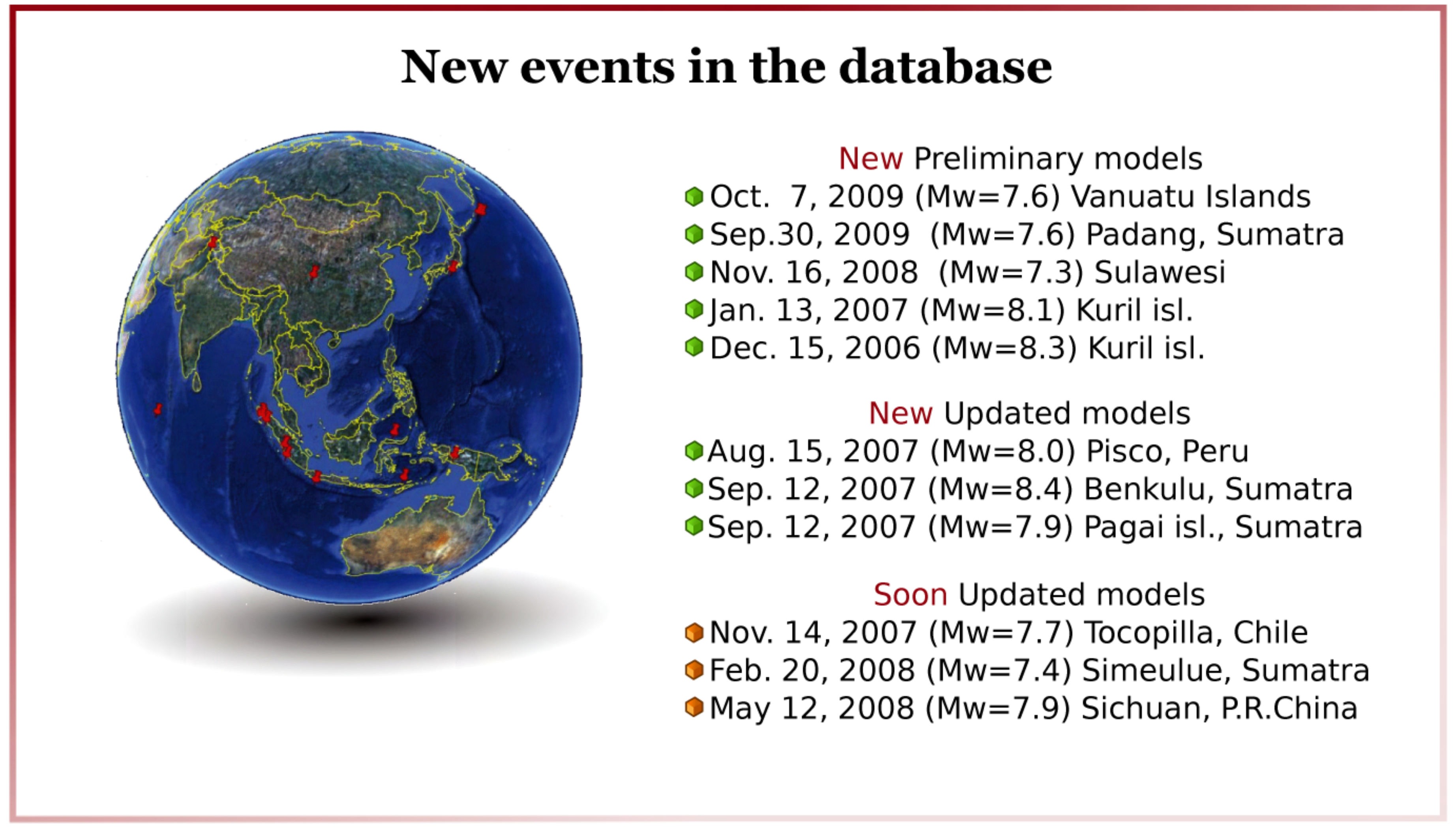
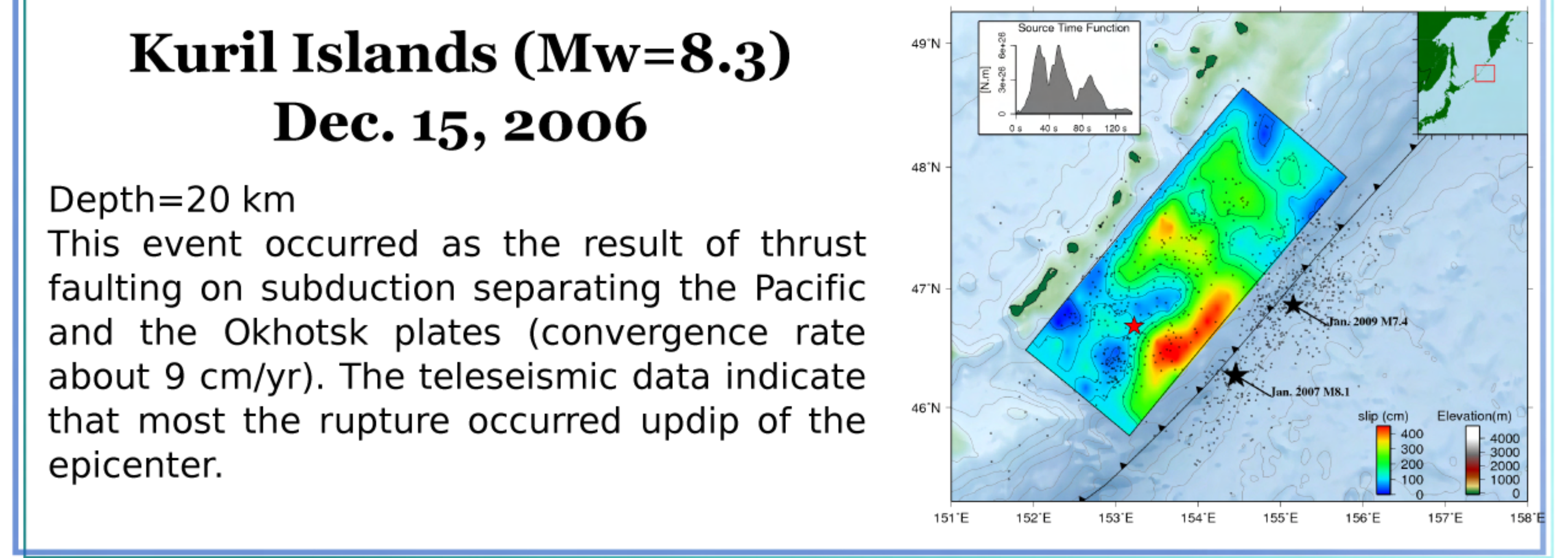
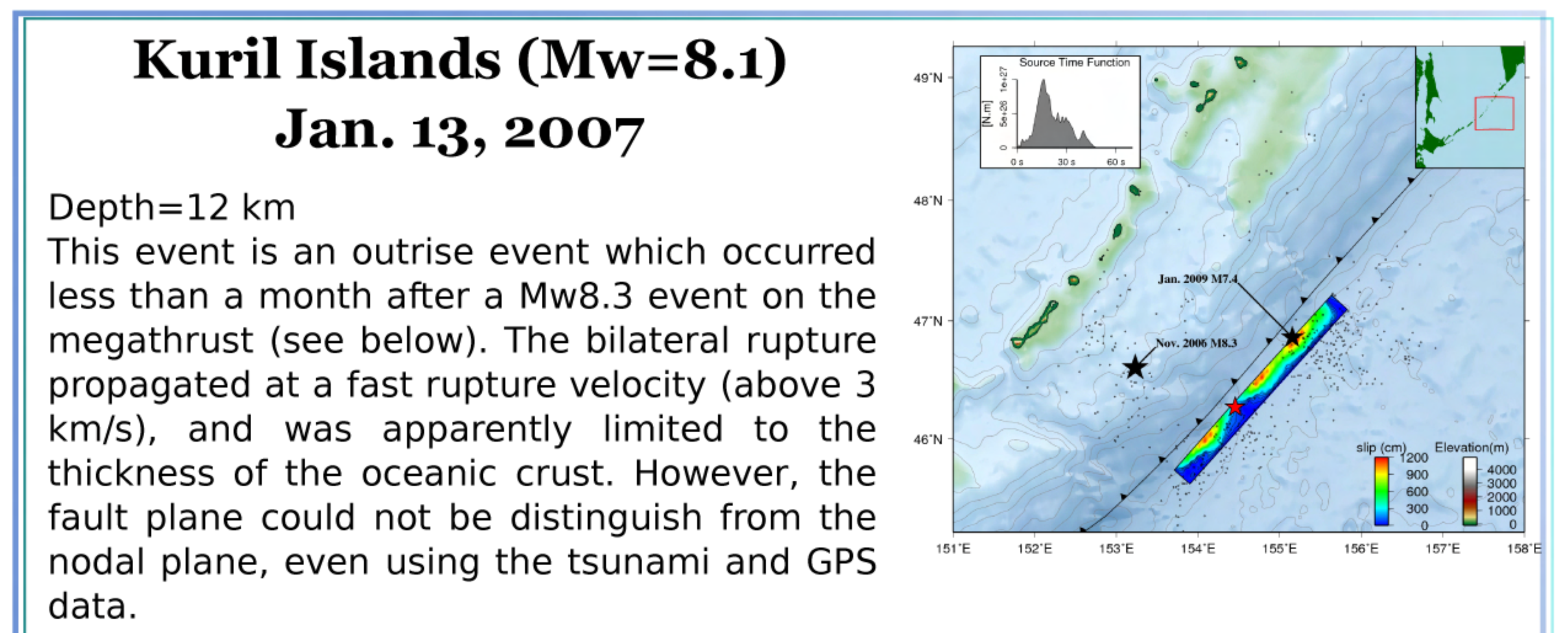
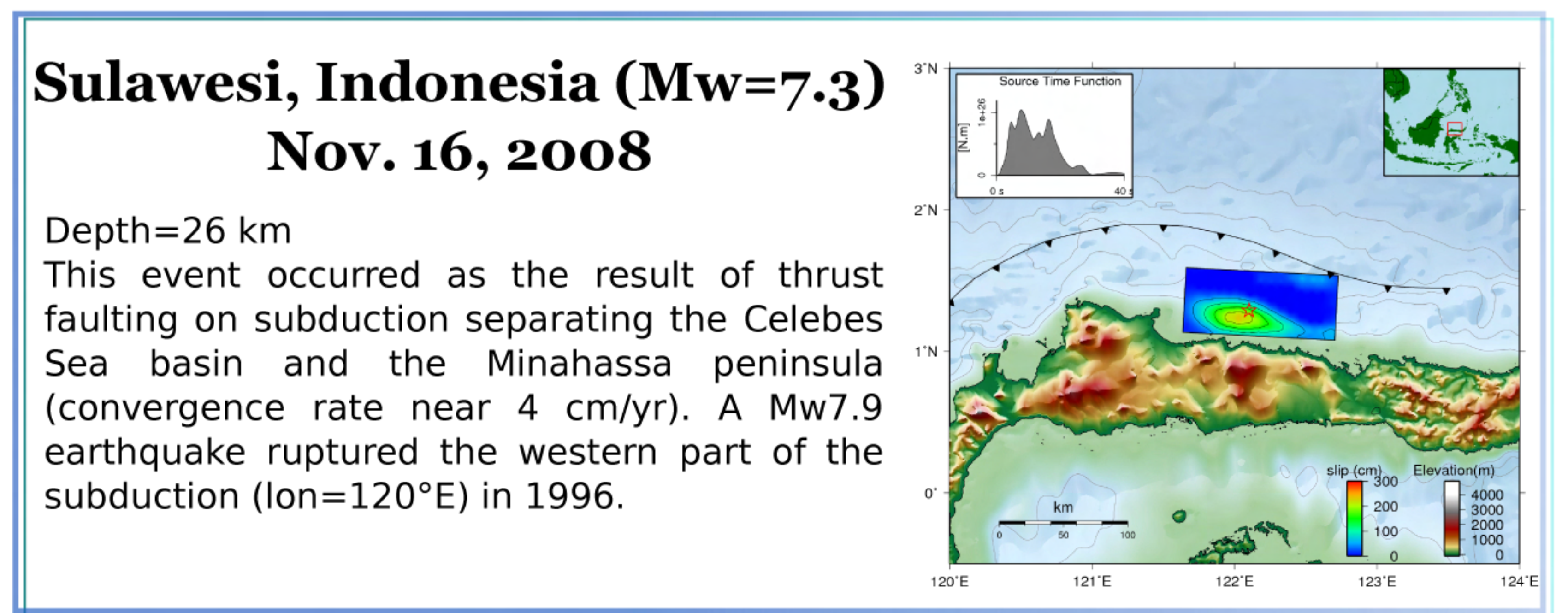
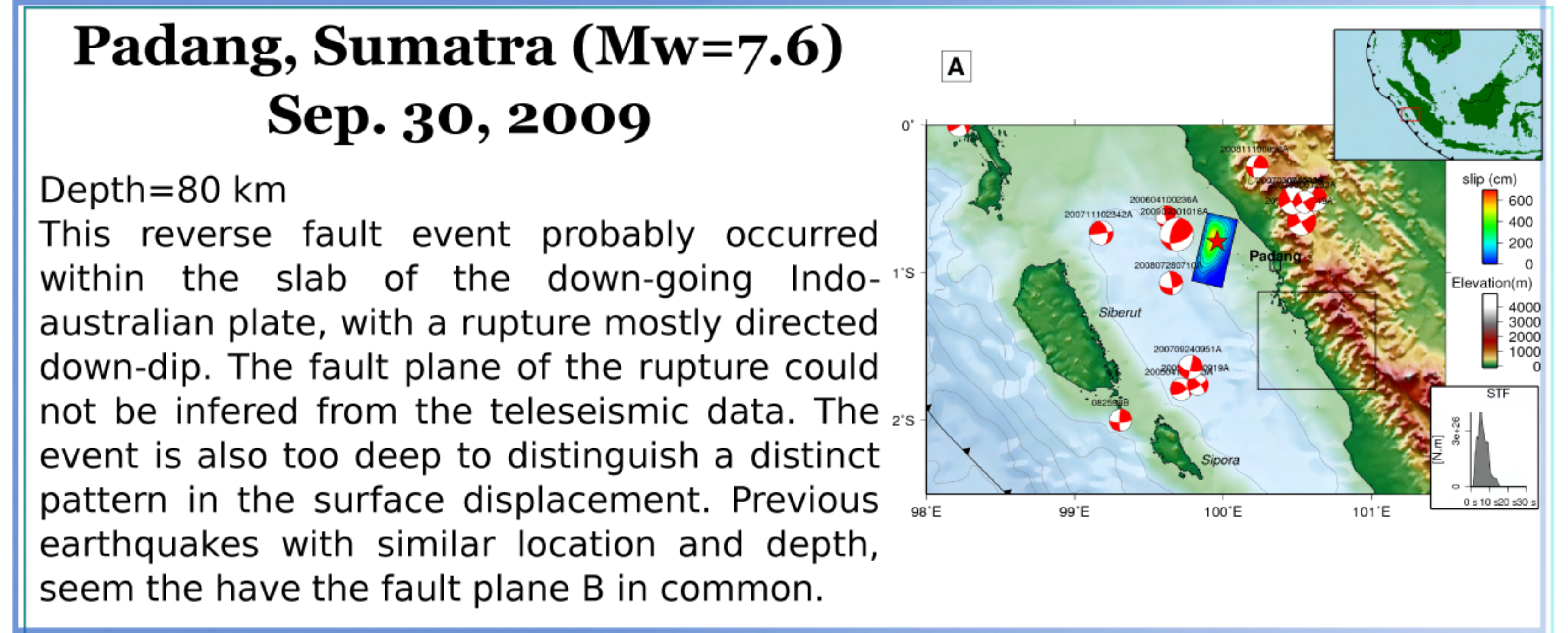
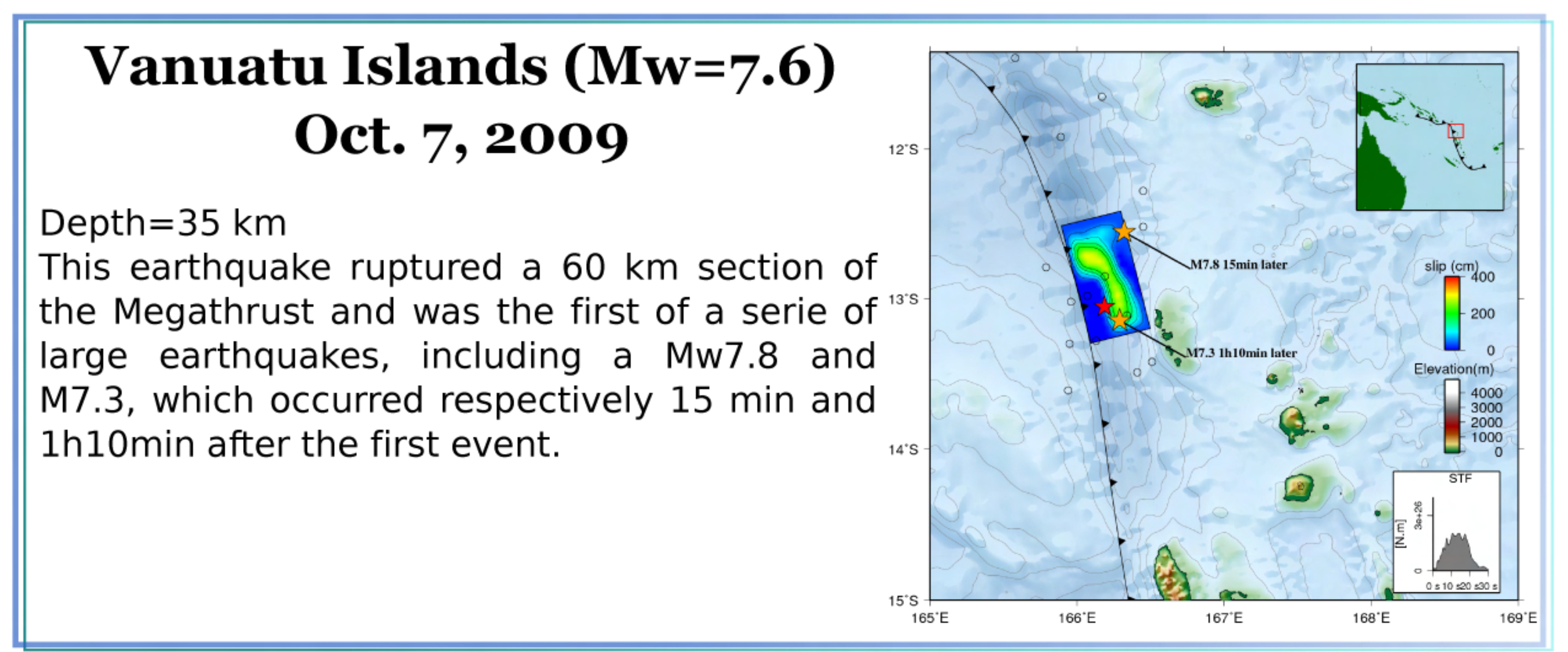
Preliminary models

Updated models

Goal
This project aims at advancing our understanding of earthquake physics by providing a coherent database of well constrained kinematic source models of large earthquakes.

Implementation

- 1) Preliminary/rapid estimates
Based on teleseismic waveforms, usually relying on the NEIC location and GCMT focal parameters and seismic moment.
- 2) Updated models
When possible we perform more indepth analyses of the events using strong motions data, GPS, InSAR, sub-pixel correlation (Cosi-Corr). We can also test the models against tsunami data, field measurements (fault trace, ground deformation, run-up).



Acknowledgements
We thank the IRIS consortium for providing the teleseismic data. This study was partly funded by the Gordon and Betty Moore Foundation.

