

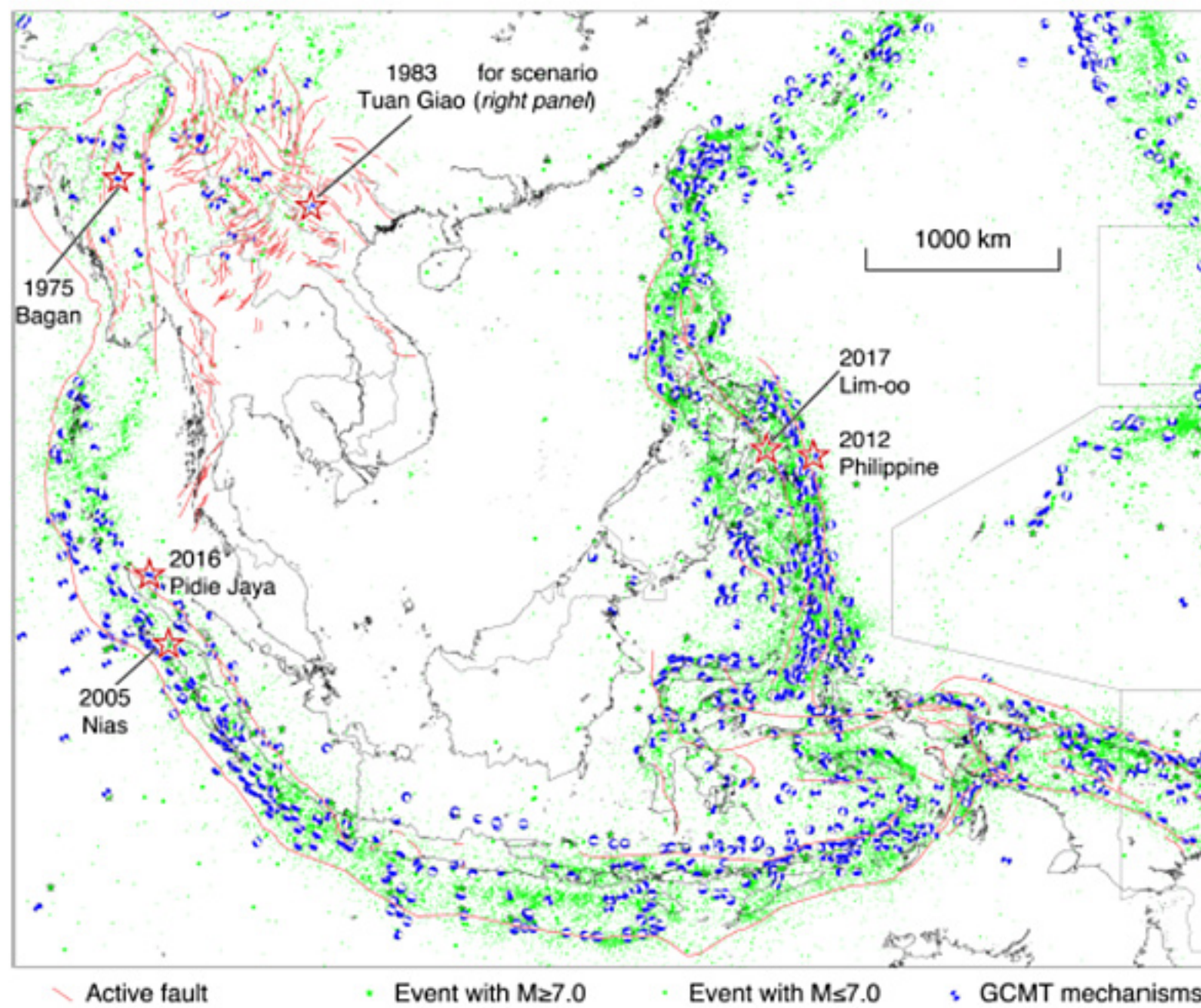
Probabilistic Seismic Hazard Assessment for SE Asia

We have developed probabilistic seismic hazard maps for Southeast Asia from uniform databases, a series of ground-shaking scenarios, and an innovative approach for probabilistic seismic hazard assessment. The database and approach will be an impetus for improvement in seismic hazard assessment and be beneficial to the government authorities and private companies.

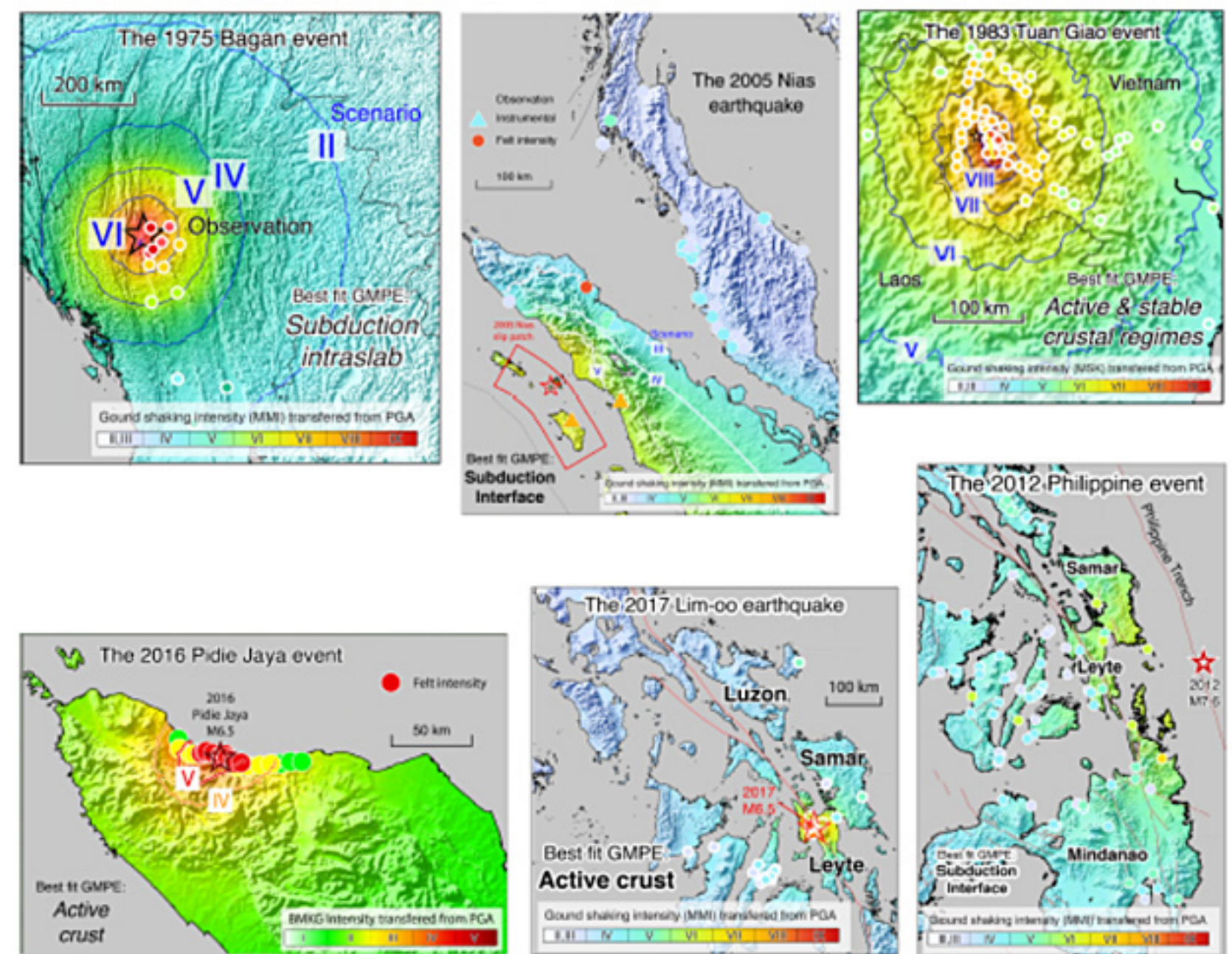
Dr Chung-Han Chan
Earth Observatory of Singapore, NTU

Database and Analysis

Seismicity and active fault database provide the basis of seismic hazard assessments

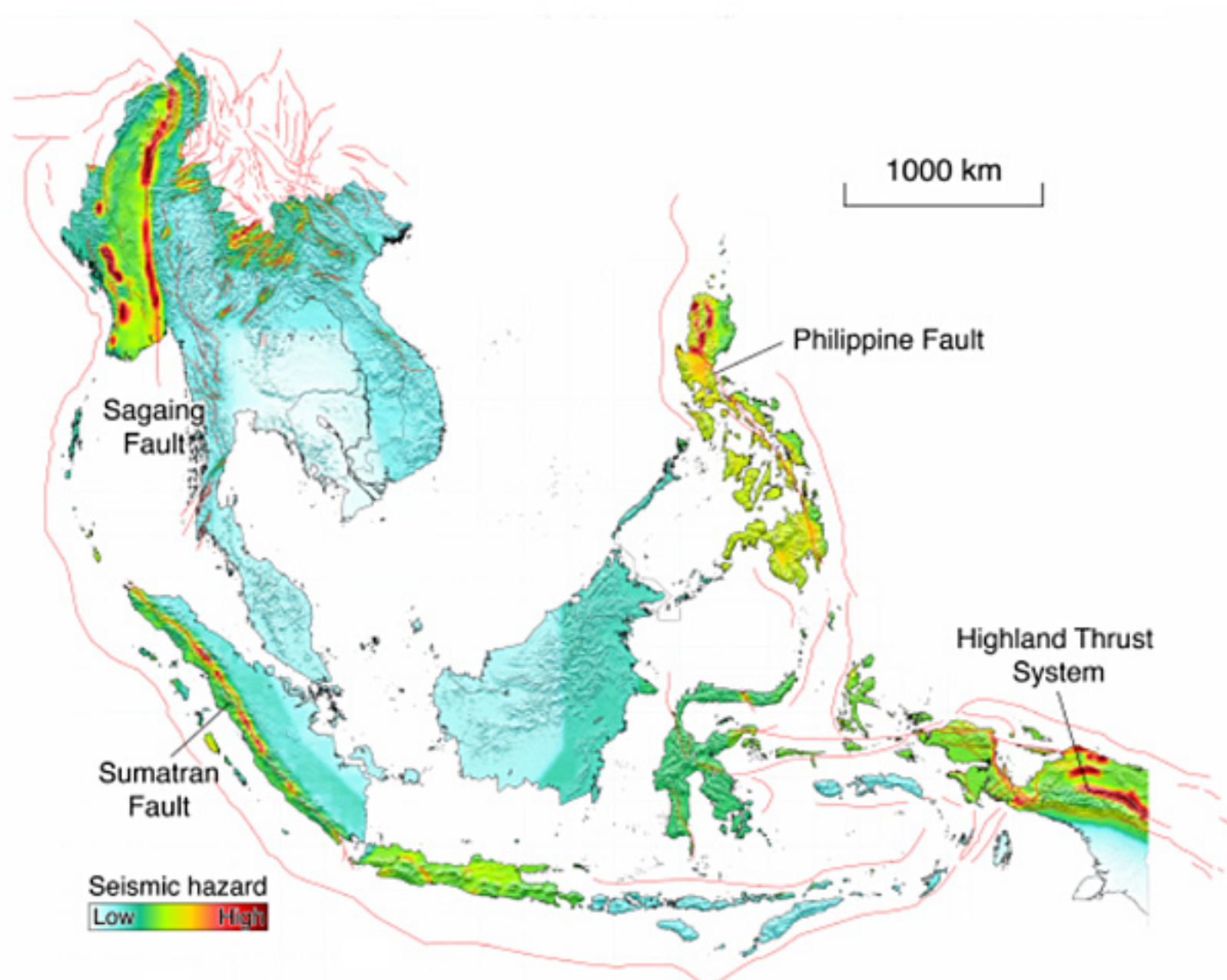


Earthquake scenarios estimate seismic hazard and confirm ground-shaking behaviours



Seismic Hazard Maps

Higher hazard is expected for sites close to faults with high slip rates and large maximum magnitudes



Higher hazard probability is expected in the entire low hazard region due to the wider coverage

