

Geohazard Supersite Special Topics Session

Unavco Science Workshop, Boulder, Co, March 9 2010

Summarized by F. Amelung, University of Miami

Proposed Name of Initiative:

Supersites. GInSAR as proposed earlier is not good because it does not include seismology/GPS

Proposed permanent structure of Supersites

- Website at GEO
- Organization by GFZ/EPOS (Joern Lauterjung)
- SAR: Space Agency coordination by advisory committee (led by ESA, GEO, data handling by WinSAR/Unavco)
- GPS: Unavco/EPOS/?
- Seismic data: request guidance by International Federation of Digital Seismic Networks (FDSN).

Milestones/Timeline

- April 2010: discussions at EGU/EPOS meeting
- June 28 2010: ESA's Bergen, Norway meeting
- October 2010: GEO ministerial summit in Beijing

Proposed Recommendations for Ministerial Summit

- Create Wenchuan earthquake Supersite with multi-satellite SAR, GPS and Seismic data
 - Develop earthquake supersites for all large earthquakes ($M > 7$ or > 1 million affected according to USGS pager system)
 - Develop volcano Supersites for volcano crises (SAR only during crisis. Seismic/GPS with half-year delay. Metric?)
 - Develop natural laboratories: Sumatra, Iceland,...
- THIS NEEDS TO BE CAREFULLY THOUGHT THROUGH. INPUT WELCOME!

Proposed Bylaws:

- Membership-based following WinSAR model (look into FDSN, IGS bylaws) (**Action: Lauterjung, Amelung**)
- Scientific Committee: 2-3 EC members of Americas, Europe/Africa, Asia
- three regional seismic reps selected by FDSN (in collaboration with NIED for Asia)
- three SAR reps elected/selected by WinSAR, PIXEL, EPOS, respectively
- three GPS reps elected by Unavco, GSI?, EPOS, respectively
- Advisory Committee (data contributors: ESA, IRIS, EPOS, NIED, Unavco, USGS, INGV, ??)