

→ **FRINGE 2011 WORKSHOP**

Advances in the Science and Applications of SAR Interferometry and Sentinel-1 Preparatory Workshop

# Earthquakes & Tectonics I Session

**Chairs: E. Fielding & S. Jonsson**

**Seed Questions**

1. What recommendations does this thematic community have for Sentinel-1 observation scenarios over InSAR areas of interest, in terms of revisit frequency and pass (ascending / descending)?
2. What are the new InSAR findings in earthquakes and tectonics studies since FRINGE 2009?
3. Operation of ALOS has been terminated and usage of ERS2/ENVISAT data is limited. In this period of time, what further actions can we make to facilitate access to other satellite radar data?
4. What can ESA do more to help scientists to further exploit the existing 20-year SAR data archive of ERS1, ERS2, ENVISAT?

5. The Supersite initiative has shown the potential of fast and free satellite data distribution following major earthquakes. Should we try to extend these efforts to moderate earthquakes? If so, what would be the best way of doing so?
6. How can we prepare to analyze the volume of data that will be acquired with the Sentinel mission?
7. Have there been recent developments in methodology that are useful for studying earthquake and tectonic studies? If so, how can we promote using such techniques?
8. What are the options currently available to correct InSAR data from tropospheric errors? And how could this be improved in the future? Are any future ESA sensors going to help?