

## → FRINGE 2011 WORKSHOP

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

# Sentinel-1 Session

Chairs: P. Potin & B. Rosich

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 recommendations does the community have for Sentinel-1 data acquisition, in terms of instrument mode and polarization? Can the community confirm that the IWS is the most appropriate mode for most InSAR applications and related areas? In which cases dual polarization data would bring real added-value (knowing that single polarisation may allow to extent coverage / frequency of observations) ?
3. What recommendations does the user community have for the systematic processing of Sentinel-1 data acquired over InSAR areas of interest ? e.g. in terms of timeliness ? any InSAR processing steps that could be performed within the ground segment to support the community? potential hosted processing ?

4. What recommendations does the community have for easing the access to the huge Sentinel-1 data volume for the InSAR community? What potential collaborative interfaces to facilitate data access within the InSAR user community would be recommended?
5. Is the community ready to handle the huge volume of Sentinel-1 data products, from download to processing? Are the 250 km swath IWS products opening new InSAR applications for which specific access mechanisms should be foreseen ?
6. What recommendations does the community have regarding the cooperation between Sentinel-1 and RCM (Radarsat Constellation Mission from Canada), in particular regarding the complementarity of the respective observation scenarios ?