

Ice & Snow Session

Chairs: J. Mouginot & N. Gourmelen

Seed Questions

1. What recommendations does this thematic community have for Sentinel-1 observation scenarios over InSAR areas of interest (global/supersite), in terms of revisit frequency and pass (ascending / descending)? Data delivery ?
2. What major challenges remain for glaciology, and how can satellite observations (InSAR in particular) assist?
3. What are the relative advantages and disadvantages of InSAR observations of ice at C-band and L-band?
4. What are the advantages of a short-repeat InSAR mission for glaciology? In terms of providing new understanding of physical processes, how short do we need?

5. What are the advantages of acquiring simultaneous range and azimuth displacements for glaciology?
6. What are the observables that glaciology wants from SAR and InSAR datasets?
7. With three InSAR missions phased out in 2011, the community is facing a potential data gap until new missions like Sentinel-1 are online. What are the most important regions for the cryosphere community that the remaining InSAR missions should provide data for (at minimum)?