InSAR products in NO_Finnmark

SAR Sensor: Sentinel-1 C-band SAR

SAR Mode: Interferometric Wide (IW) swath

SAR Track: 43A (ascending orbit) and 51D (descending orbit)

Single wrapped interferograms

Multilooking factors: 8x2 (range x azimuth)

Geocoded resolution: 40m

Naming convention:

<Area_number>_<Satellite>_<Geometry>_<First-acquisition-date>_<Second-acquisition-date>_<Temporal_Baseline>

- <Area_number>: 08 (Finnmark)

- <Satellite>: SENT1 (Sentinel-1)

- <Geometry>: DES (descending)

- <First-acquisition-date>_<Second-acquisition-date>: YYYYMMDD dates of the two images used to construct the interferometric pair.

- <Temporal_Baseline>: Time interval (days) between the dates of the two images used to construct the interferometric pair.

Mean velocity maps based on unwrapped interferograms

Naming convention:

<Area_number>_<Satellite>_<Geometry>_<Product-type>_<First-acquisition-year>_<Second-acquisition-year>

- <Area_number>: 08 (Finnmark)

- <Satellite>: SENT1 (Sentinel-1)

- <Geometry>: ASC (ascending orbit) and DES (descending orbit)

- <Product_type>: Classified_MultiStacking (categorised InSAR averaged map combining the results of several InSAR products processed with complementary time intervals, following the methodology described in Rouyet et al., 2021; https://doi.org/10.3389/feart.2021.681088), or PSI_InSAR_NORWAY (Persistent Scatterer Interferometry PSI mean velocity map from the InSAR Norway Ground Motion Service; https://insar.no).

- <First-acquisition-year>_<Second-acquisition-year>: First and last years (snow-free seasons) of the mean velocity product.

(c) NORCE Research Centre AS, Earth Observation group, Tromsø, Norway

Contact person: Line Rouyet, liro@norceresearch.no / line.rouyet@unifr.ch