Ground motion detection in Central South Asturias (N Spain) by using Sentinel-1 SAR data

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METHODOLOGY

113 Sentinel-1 SAR Images
01/2018 – 02/2020

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- LOS Mean Deformation Velocity Map (mm/year)
- Deformation Time Series (mm)

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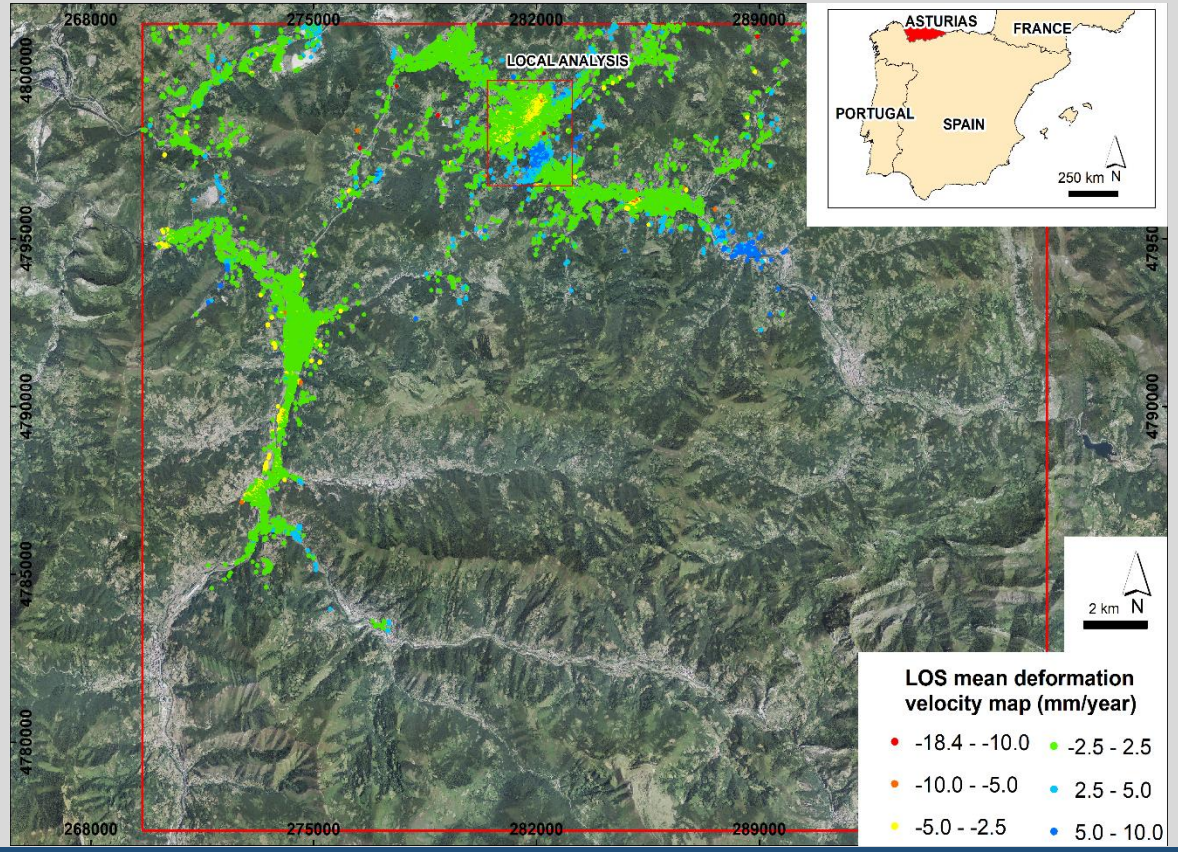
Ground Motion:
- Slope instability
- Urban/Mine subsidence
- Groundwater fluctuation

RESULTS



CONCLUSIONS

Analysis of ground deformations detected by means of A-DInSAR in central south of Asturias (N Spain).

Results are LOS mean deformation velocity map and deformation time series at regional and local analysis.

The potential and limitations related to Sentinel-1 SAR data are showed.

2 minutes OVERVIEW