

Volunteering for the future – Geospatial excellence for a better living

Cifeset-Tracking as an Effective Tool for Rapid Movements Monitoring

Magdalena Łucka (Łukosz)

AGH UST in Cracow, Poland Faculty of Mining Surveying and Environmental Egineering









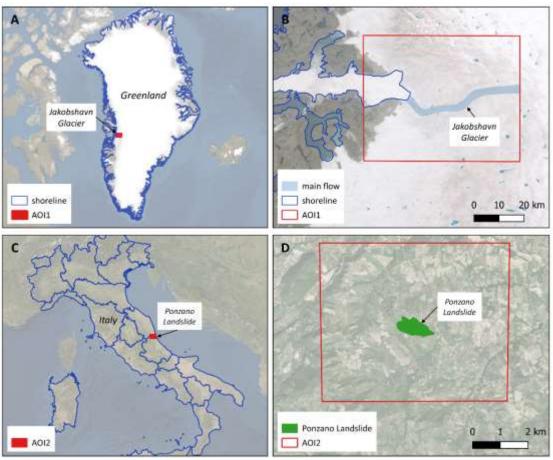
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Method, AOI and Datasets

Offset-Tracking?

Technique that measures feature motion between two radar images using patch **intensity** cross-correlation optimization.





Sentinel-1 ICEYE

Sentinel-1 TerraSAR-X

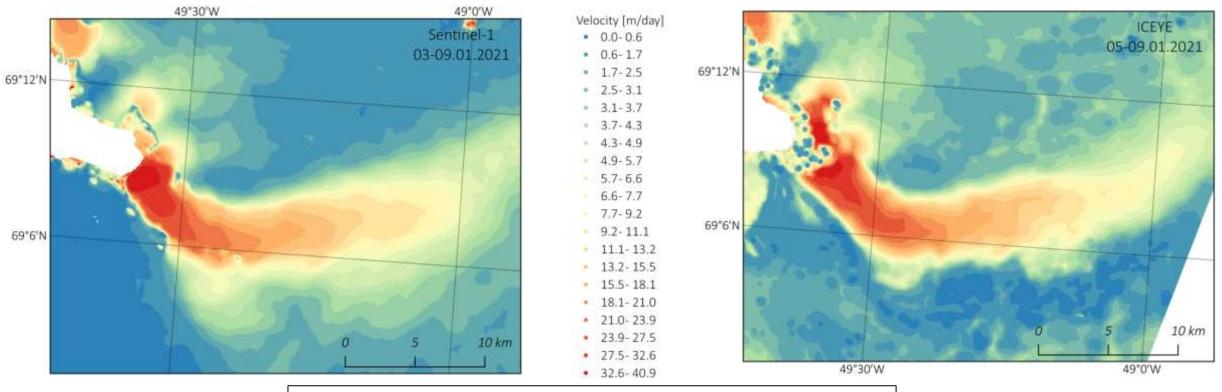






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Jakobshavn Glacier



S-1: underestimation of displacement values compared to ICEYE

ICEYE: more accurate near terminus

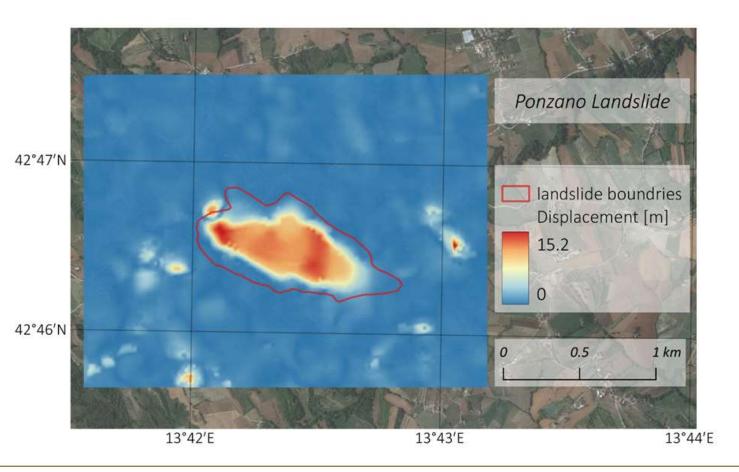


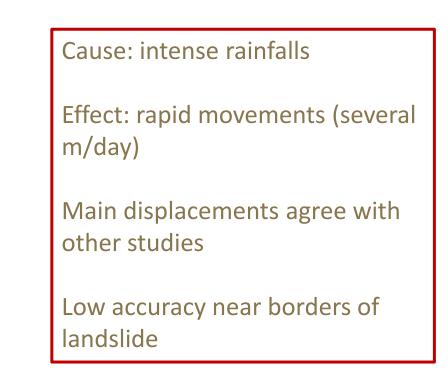




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Ponzano Landslide













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Conclusions

