





# EPOS-Norway - Research Infrastructure for

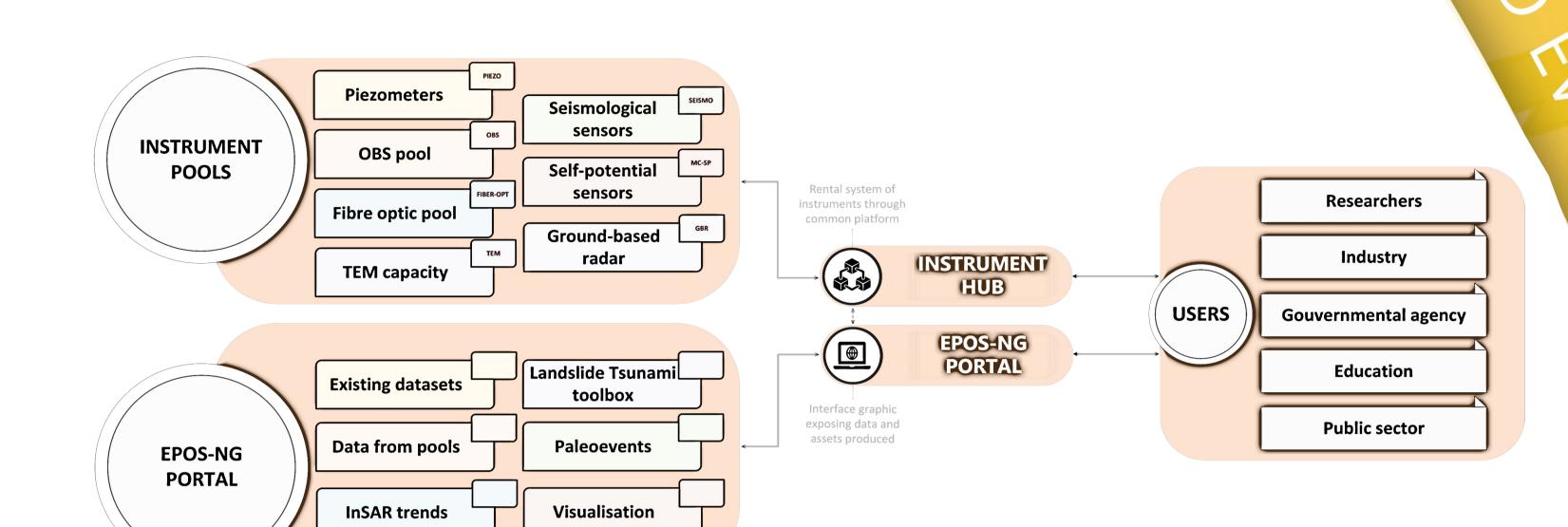
Geohazards (EPOS-NG)

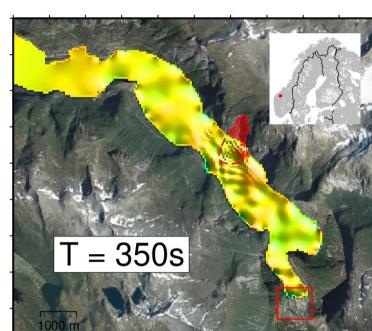
Juliano Ramanantsoa<sup>1</sup>, Mathilde B. Sørensen<sup>1</sup> and the EPOS-NG team

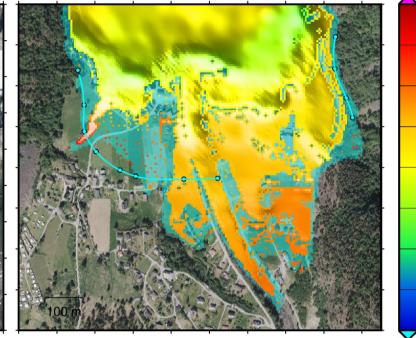
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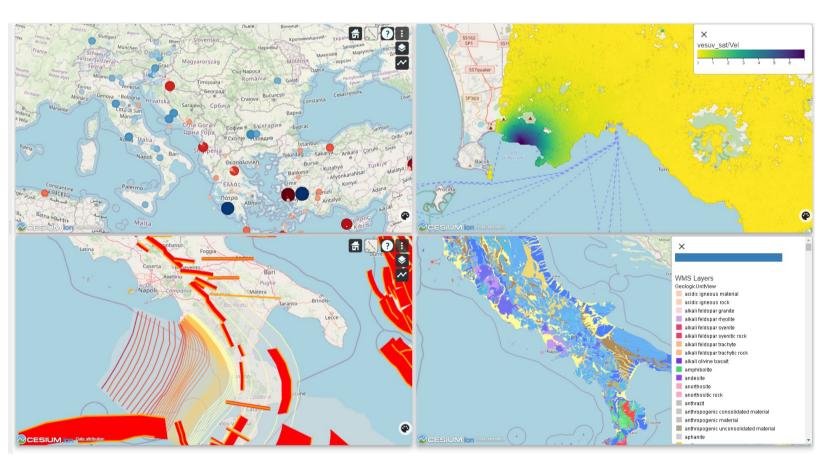
#### **EPOS-NG** in a nutshell

- Newly funded NFR research infrastructure project
- Phase 2 of EPOS-Norway (phase 1: 2016-2021)
- Norwegian component of EPOS (ERIC since 2018)
- Research infrastructure for geohazards
- Two main components:
  - Instrument pools
  - Data portal









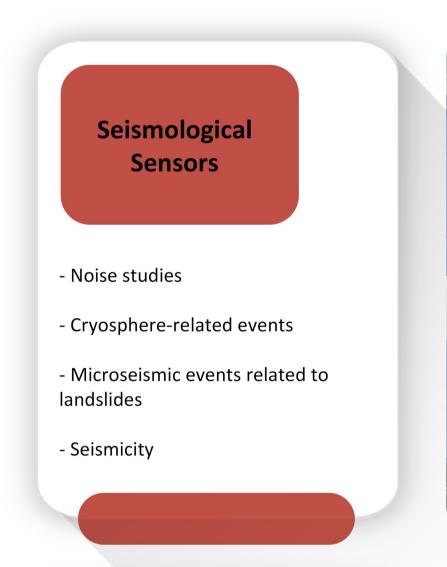


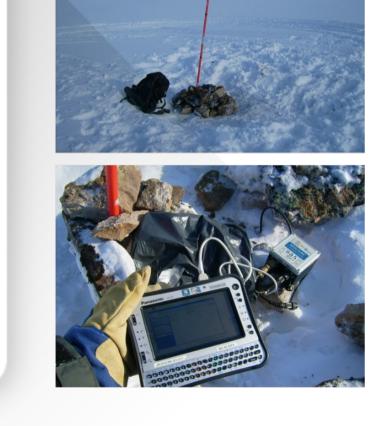
### **EPOS-NG** portal

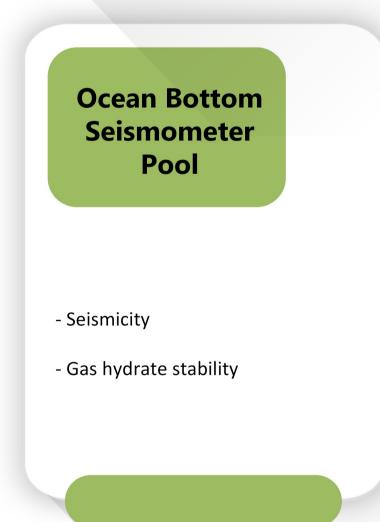
- **Existing datasets**
- Data from instrument pools
- InSAR ground movement trends
- Paleoseismological observations and extreme events
- Landslide tsunami toolbox
- Visualization services

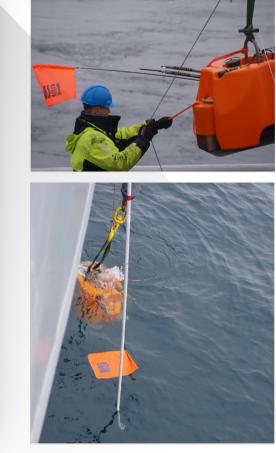
#### **EPOS-NG Instrument hub**

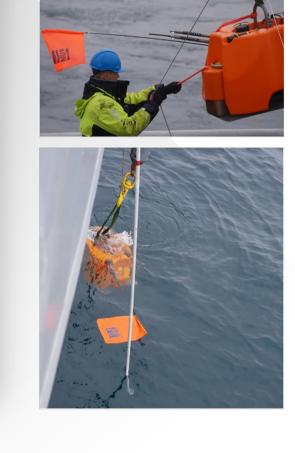
- Instrument pools in geoscience
- Procurement and full scale-test
  - Instrument rental strategy
  - Long-term sustainability of instrument hub
- Training courses on instruments
- Economic model for sustainable operation to maintain instrument hub











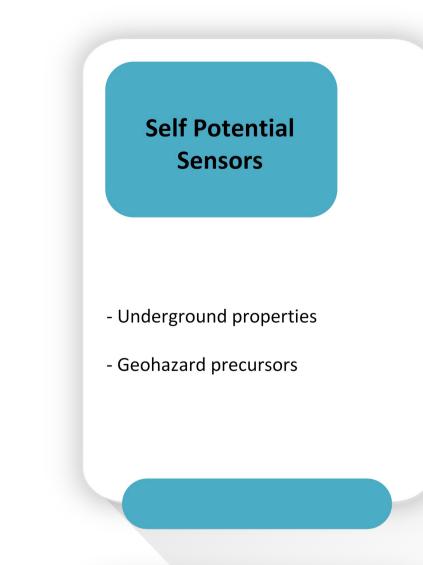


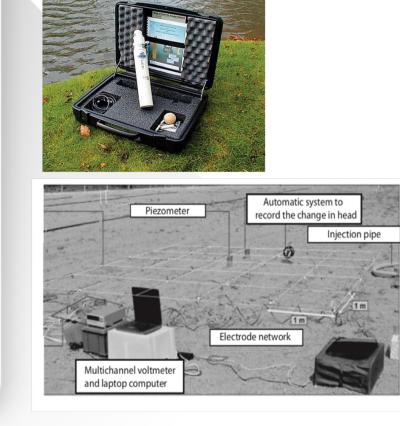


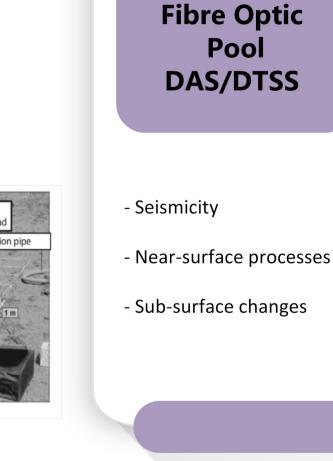


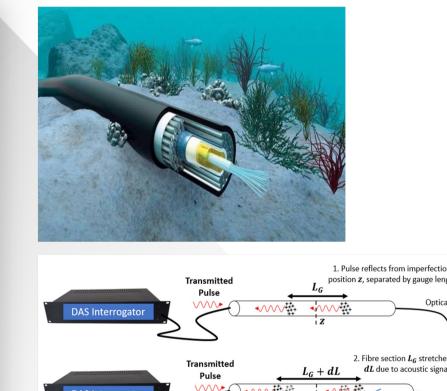
## Why do we need it?

- We need these instruments!
- Support Norwegian research projects
- Support Norwegian researchers as attractive partners in international research projects
- Support younger researchers
- Support multidisciplinary research
- Enable rapid response after significant geohazard events









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