



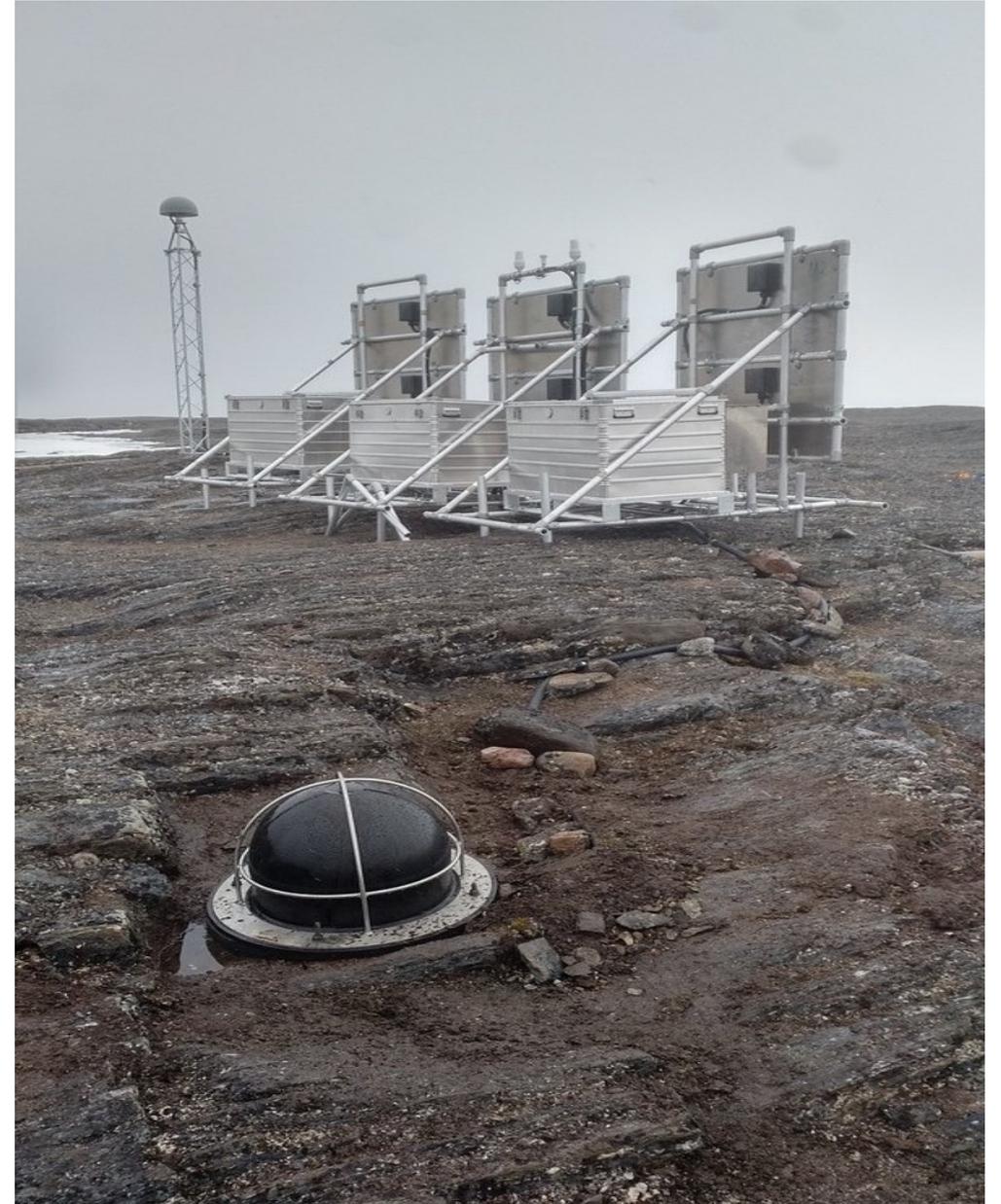
SEISMOLOGY

SEISMOLOGY

Thematic Core Service



SEISMOLOGY





SEISMOLOGY

Overview

- Seismology studies **earthquakes** and the propagation of **seismic waves** through the Earth or through other planet-like bodies.
- Investigating the origin and the mechanics of earthquakes is crucial to **assess their hazards** and **mitigate the risks** inherent to seismic events.



Seismology TCS

- The EPOS SEISMOLOGY TCS provides access to seismological and earthquake-related information through standardized services and APIs, and coordinates the integration of these services on the EPOS Data Portal.
- The EPOS SEISMOLOGY TCS is built on three well-established European infrastructures: **ORFEUS**, **EMSC** and **EFEHR**.



Services

- The services offered by EPOS SEISMOLOGY TCS encompass the community data access portals operated by:
 - ORFEUS (waveform data and related products and services)
 - EMSC and AHEAD (earthquake parameters and other seismological products)
 - EFEHR (seismic hazard and risk products and services).



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Services

59 DDSS (Data, Data Products, Software and Services)

divided into 3 categories:

- Waveform Services
- Seismological Products
- Earthquake Hazard and Risk Products



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Seismology TCS

- As part of EPOS, EPOS SEISMOLOGY TCS fosters the use and sharing of data from different disciplines of the solid Earth, contributing to **expand societal knowledge** not only of earthquakes but also of other physical phenomena of the Earth.



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Contacts

EPOS Seismology TCS mini-website

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