

National Report, Denmark

Euref symposium 2023

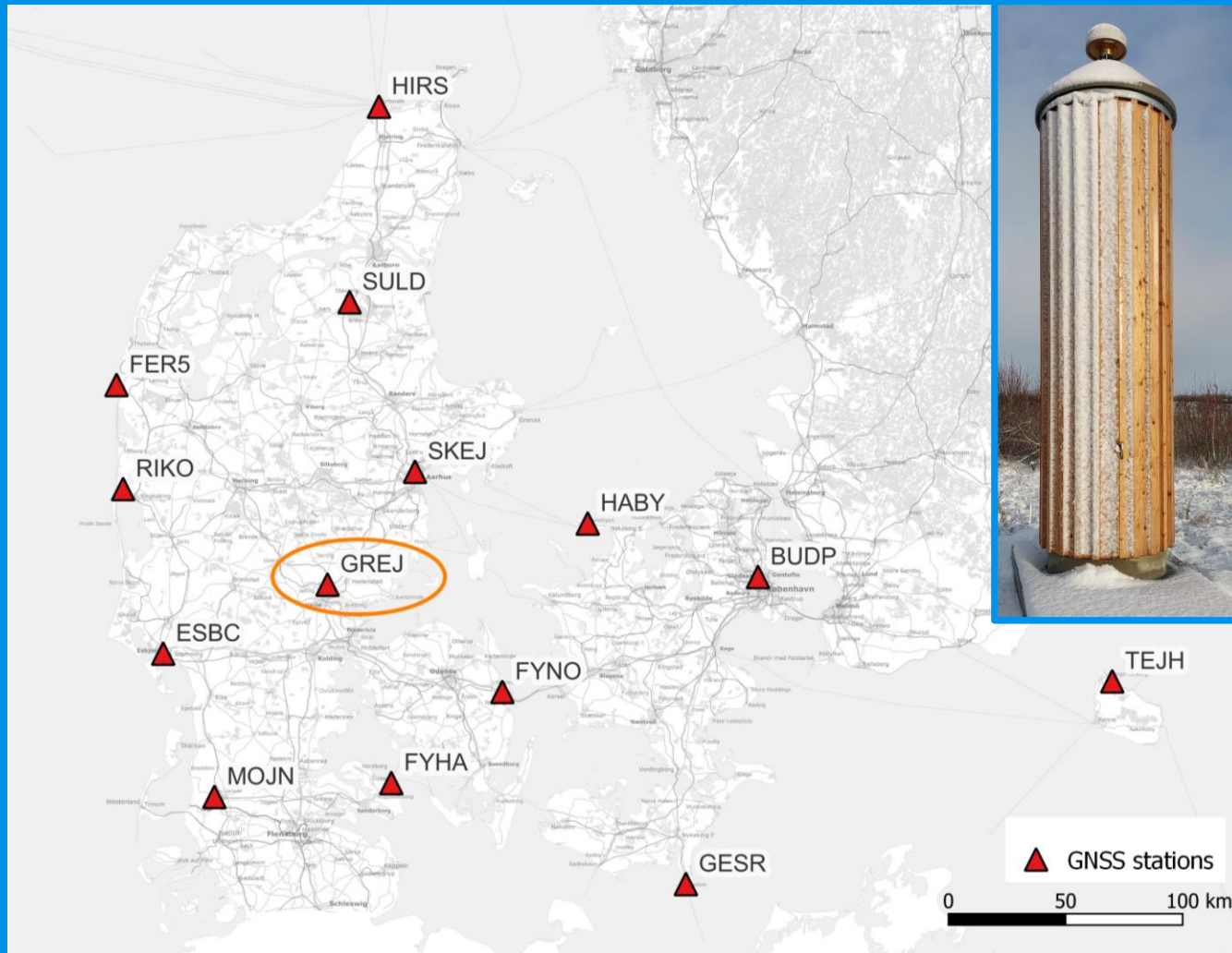
23-26 May, Gothenburg, Sweden

Casper Jepsen and Aslak Meister



Agency for Data Supply
and Infrastructure

Continuously operating GNSS stations (Class A)

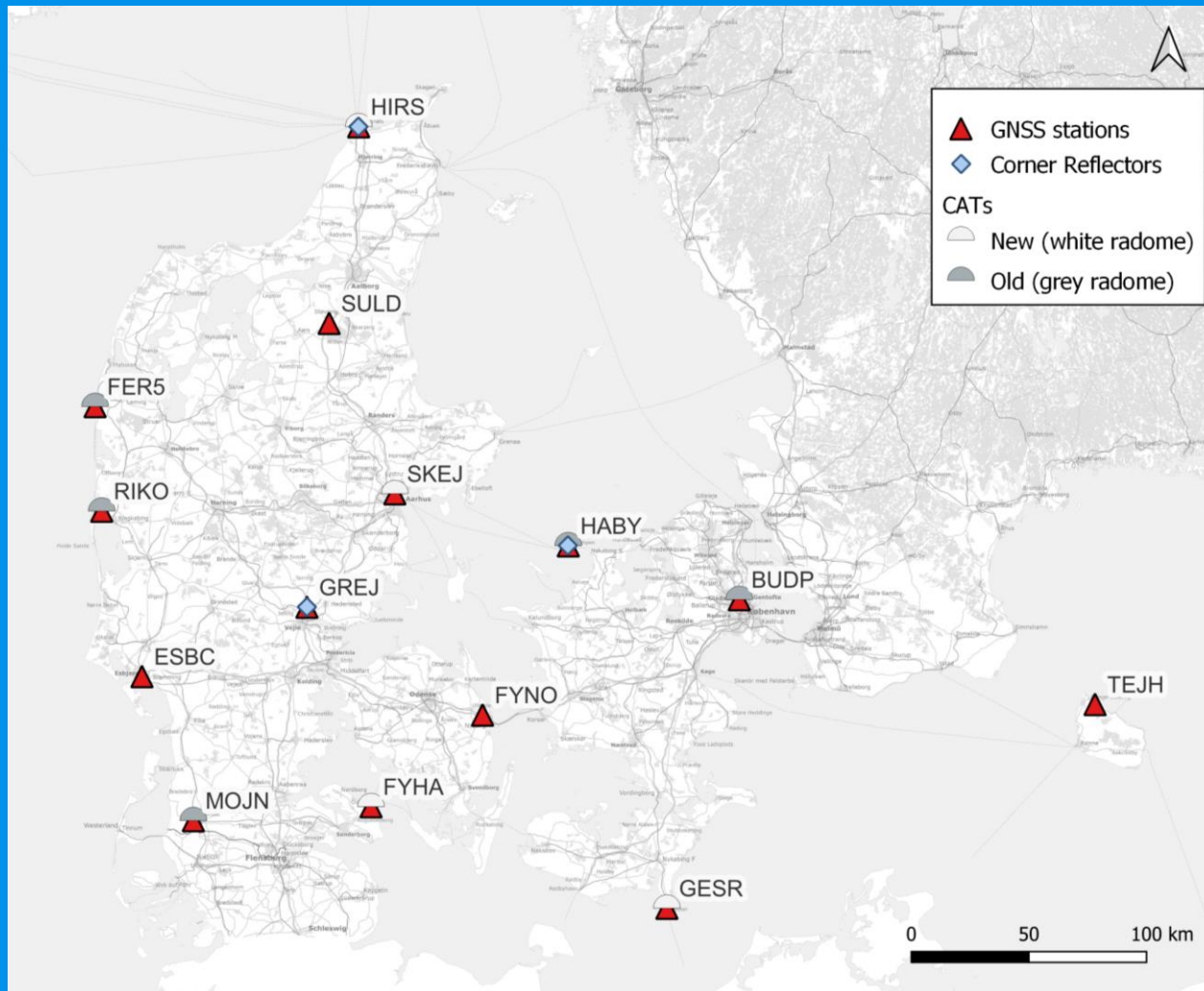


GREJ: New station 05/2022 replacing SMID/SMI2

At the moment no further expansion of the GNSS network is planned

RINEX data from Denmark, Faroe Islands and Greenland available from <https://dataforsyningen.dk/data/4717>

Artificial radar reflectors co-located with GNSS stations



InSAR Compact Active Transponders from MetaSensing installed onto 9 GNSS-stations.

Currently installed CATs in operation since:

FER5 03/2020
HABY 05/2020
RIKO 06/2020
MOJN 06/2020
BUDP 04/2021
HIRS 01/2022 (new version)
GESR 01/2022 (new version)
FYHA 06/2022 (new version)
SKEJ 10/2022 (new version)

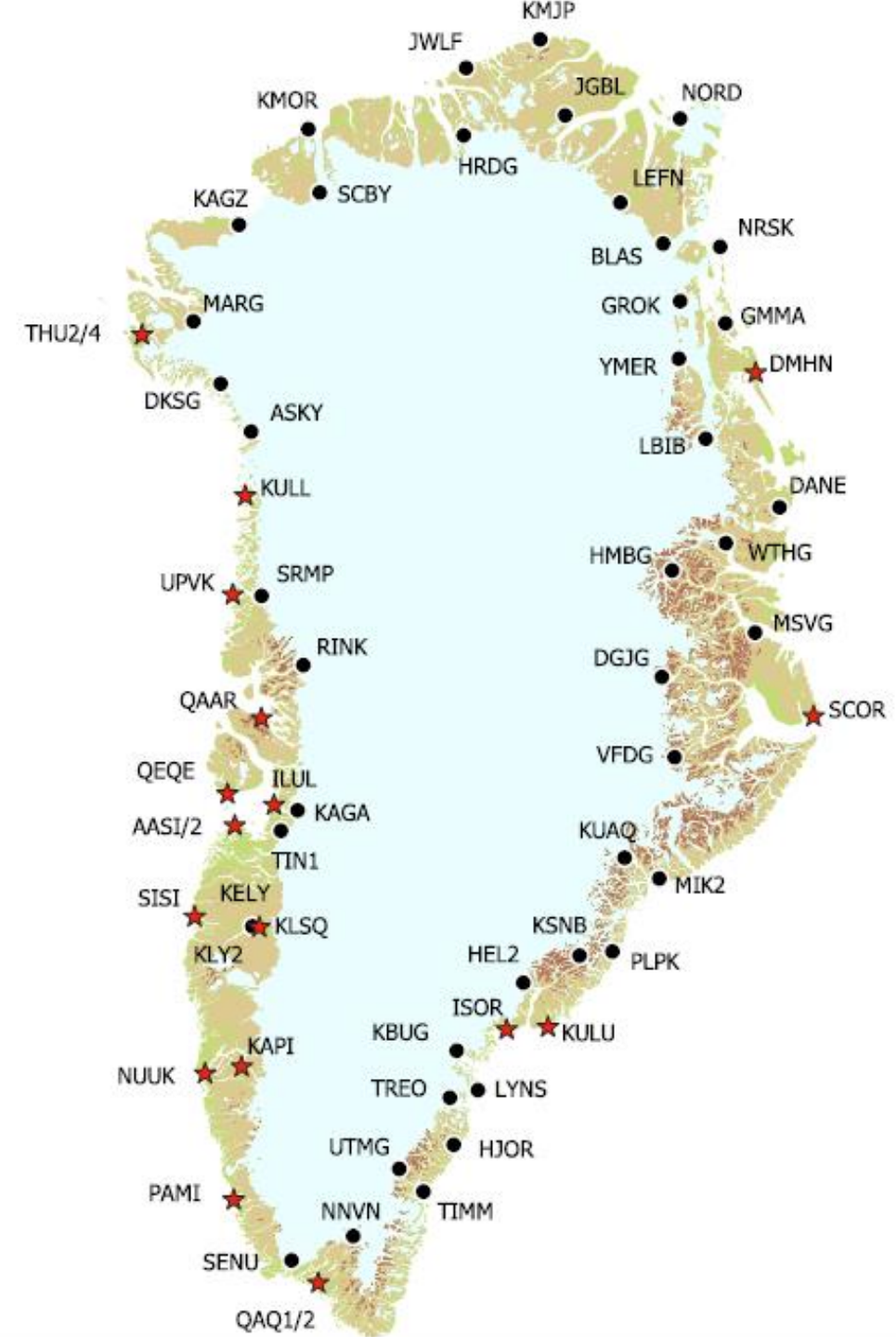
Installation of corner reflectors at GREJ and HIRS

- Double square trihedral CRs (the so-called MUSE-design) with inner leg length of 0.7 m
- Each CR mounted on a platform supported by three galvanised ground screws manufactured by company Krinner
- Diameter of ground screws: 89 mm
- Length of ground screws: 7-12 m



Greenland GNSS Network (GNET)

- Securing internet connections to town cities (4 stations in 23)
- 2-3 stations are mowed due to interference and sky visibility
- Test planned with Starlink communication
- 15 out of 60 stations can be downloaded from SDFI.



A new strategy for the geodetic infrastructure

- Published December 2022
- One overarching goal: To ensure that the geodetic infrastructure is always sufficiently accurate and sufficiently accessible that it is not the limiting factor for the end user value creation
- Not focused on implementation, but on screening for alignment of new initiatives
- The alignment targets include:
 - Integration, consistency, accessibility, utility and timely dissemination
 - Collaboration and end user dialogue
 - Capacity building, future recruitment
- Available from <https://sdfi.dk/vores-opgaver/geodaesi/geofaglige-publikationer>

Thank you!