

National Report Denmark

EUREF 2016 Symposium, San Sebastian, Spain
May 25'th – 27'th, 2016

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New organisations January 1'st, 2016

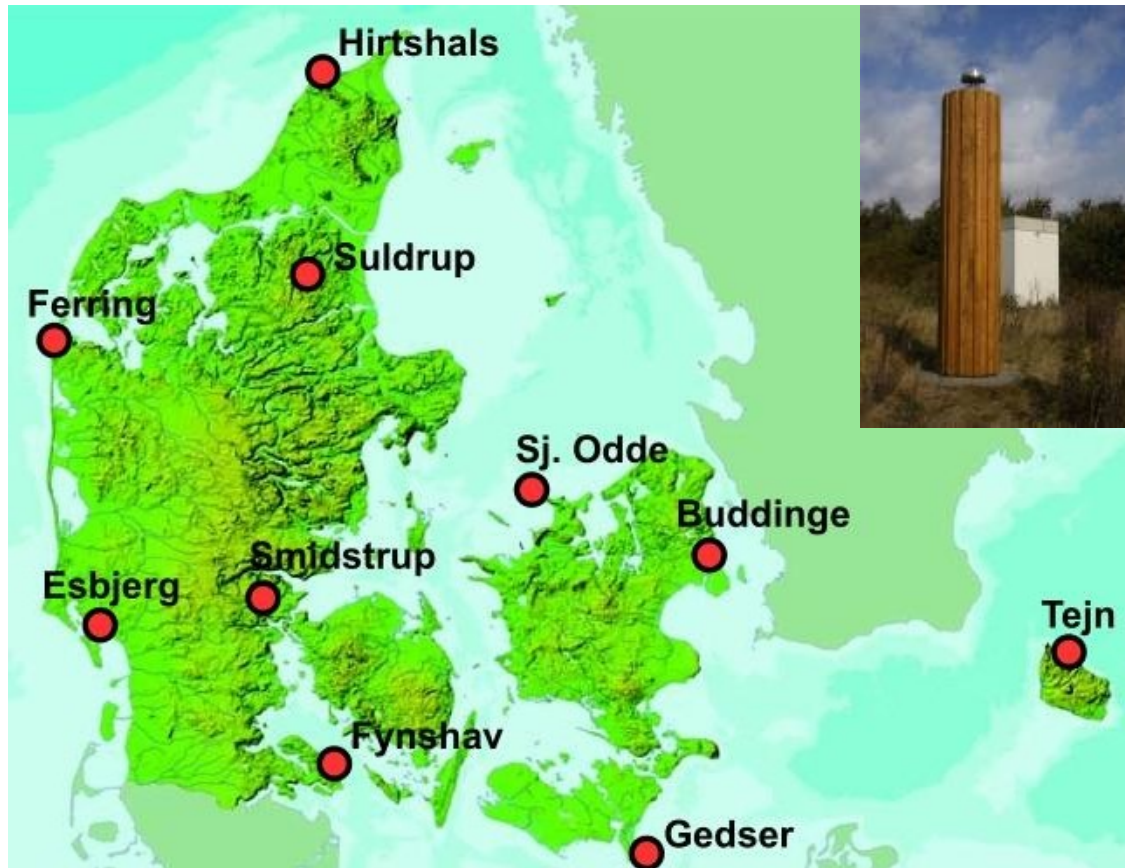
- Government decision to relocate 4000 state employees from Copenhagen. The original Danish Geodata Agency is divided in two:
- “New” Danish Geodata Agency/GST in Aalborg (116 employees):
 - Property registration/cadastral work
 - Hydrographic surveying and nautical charts (DK, FO and Greenland)
- ”Agency for Data Supply and Efficiency”/SDFE in Copenhagen:
 - Approx. 200 employees
 - Geodesy, production/distribution of geodata and related data
 - Agency for Data Supply and Efficiency is NMA for DK/FO/GR
- DTU Space research institution and a prominent partner for SDFE

Strategy for Geodetic Infrastructure in DK

- Goal to bring geodesy on the agenda (among decision makers and users)
- Added benefit in society from geodesy
- New Danish Space Strategy (geodesy is fundamental)
- New "eGOVERNMENT Strategy 2016-2020" – importance of geodesy highlighted
- Vision of a free public positioning service
- Upgrade of geodetic infrastructure in order to be ready for Galileo



CORS stations in DK

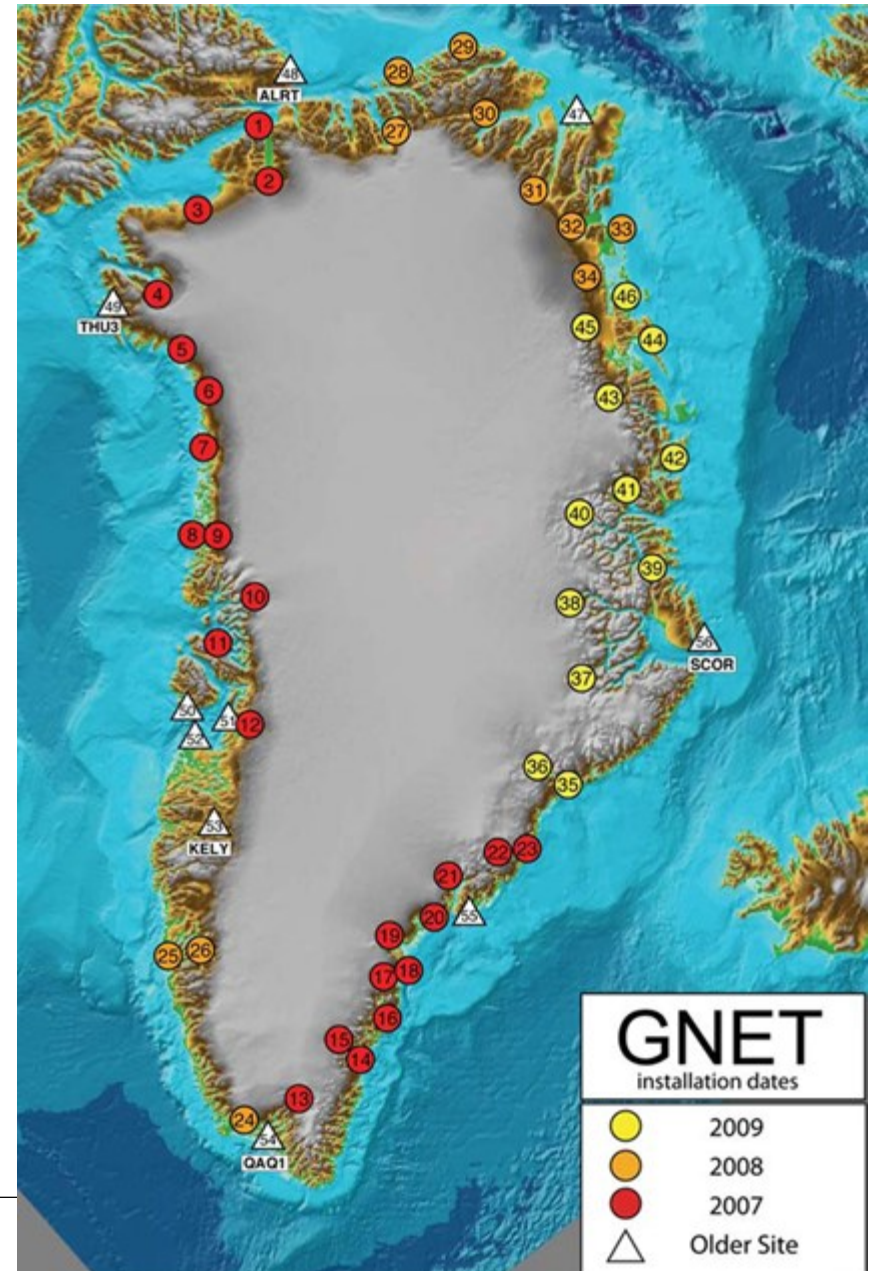


- EPN-stations:
SMID, SULD and BUDP
+ARGI (Faroe Islands)



GNET (Greenland)

- 15 DTU/SDFE GNSS-stations
- 41 GNSS-stations which were funded by National Science Foundation (NSF) until 2015
- DTU/SDFE are exploring new financial solutions to keep GNET running
- Visions of a geodetic observatory with VLBI, SLR etc. co-located – important to be ready if a “window of opportunity” appears
- Pilot project on new topographic maps and new DEM is still ongoing



Geodetic activities

- Motorized levelling continues (MTL)

	2010	2011	2012	2013	2014	2015
MGL	880 km	687 km	1374 km	2050 km	1314 km	1250 km
MTL	1427 km	931 km	31 km	1 km	0 km	9 km



- Full scale MTL test is ongoing:

New cars and new setup (2 cars – and only 2 persons)

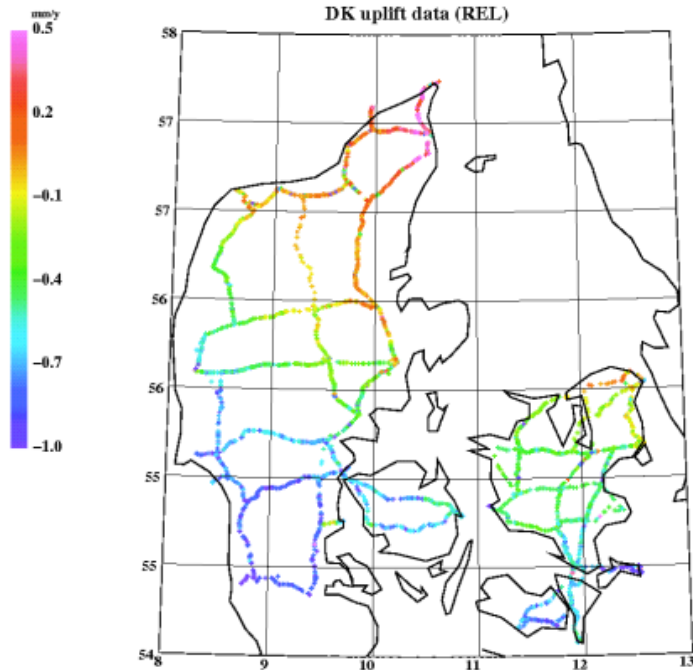
Old MGL surveying team: 4 persons, 1 instrument, 2 surveying cars and 1 car for instruments

- Static GNSS measurements: 1-2 persons for fundamental benchmarks
- Work ongoing on replacing 50 year old EDB geodetic software with new least square adjustment software
- Plans for testing corner reflectors (INSAR) for geodynamical monitoring in areas with deformations (in corporation with DTU Space)

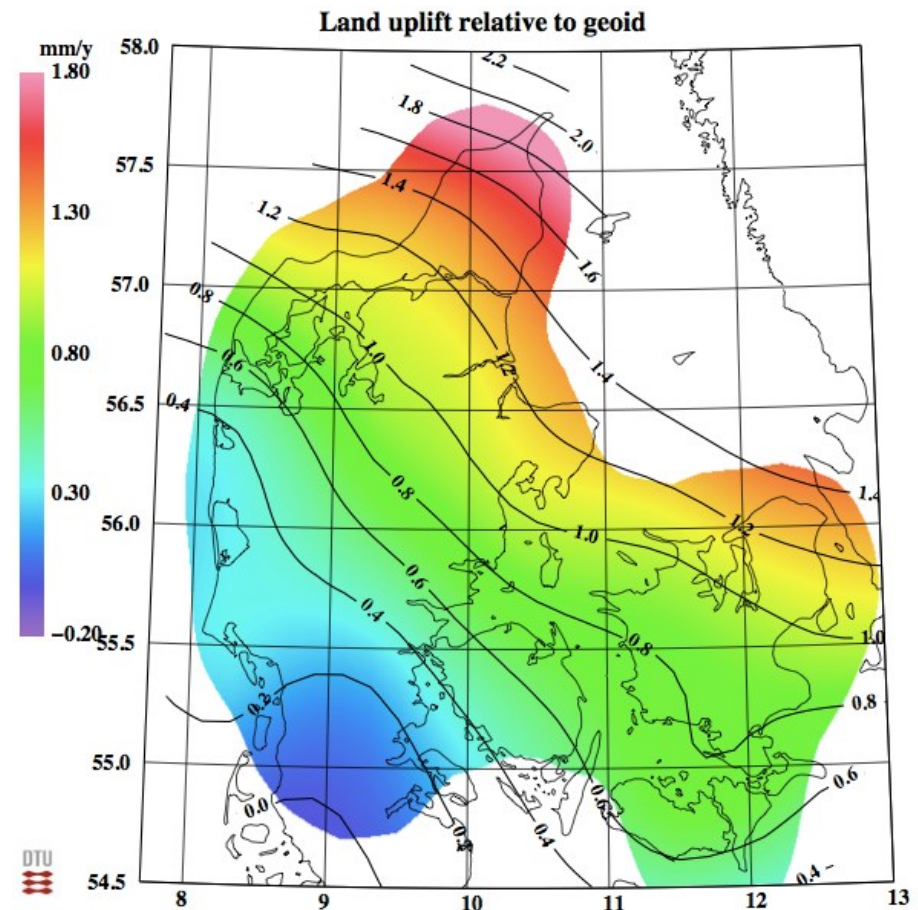
Land uplift modelling

Land uplift is being assessed by compiling:
Milne GIA and GRACE geoid change models
Precision levellings (relative to mean sea level)
Permanent GPS-stations (in ITRF2008)
Tide gauges (1900-2000)

Levelling:



Model:



New setup for MTL



Agency for Data Supply and Efficiency

