



Kartverket

NATIONAL REPORT FROM NORWAY

EUREF 2017



Fundamental station

Ny Ålesund in Spitsbergen



- Multi technique station: VLBI, SLR, DORIS and GNSS
- Planned operational in 2018 (SLR in 2020)
- Fully government-funded. Total sum of 34 mill EUR

Fundamental station



- First VLBI test data received
- Local tie and stability measurements in 2016
- GNSS-stations and local control point network to be re-designed in 2017 due to instability

New geophysical height system NN2000/EVRS2007



**A majority of
municipalities have
changed to NN2000. To
be completed 2018.**

Geoid and gravity measurements



- New Nordic Geoid model released 2016 by the Nordic Geodetic Commission
- There is a need to improve the quality of gravity data in Norway
- New absolute and relative gravimeters acquired in 2016-2017
- Gravimetric campaigns focusing on mountain and fiord areas
- New national dataset ready 2024?

Future reference frame strategy

- In the future, precise positioning services will be available to large user groups
- Precise positions in a global reference frame (current epoch) on low-cost devices
- Coordinate differences relative to ETRF89 data sets will be an issue
- Proposed future strategy:
 - Step 1: Transfer from epoch 1989 to epoch 2020 or later
 - Step 2: Data management in near current epoch (dynamic reference frame) ?

Book release



A book on the 243 year history of the NMA was released in November 2016

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**Thank you for your
attention!**