



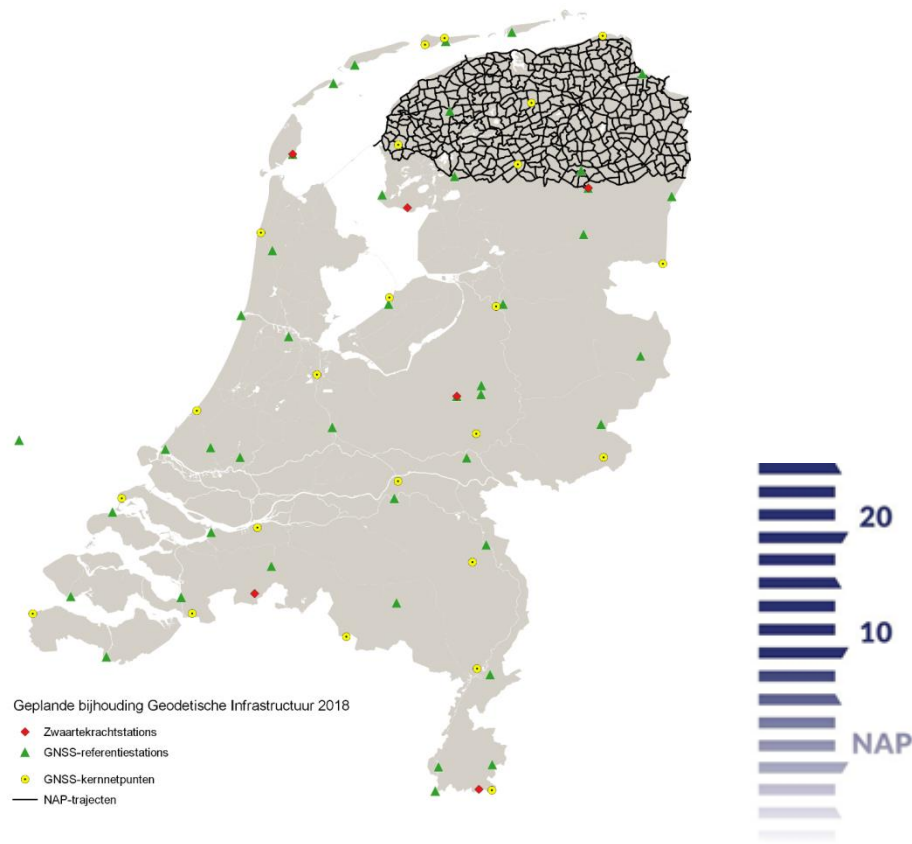
National report of The Netherlands 2019

Dutch Partnership for Geodetic
Infrastructure (NSGI)



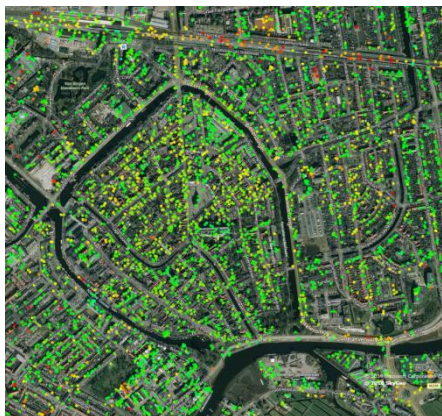
Network maintenance

- GNSS measurements at trig points
- Levelling of benchmarks
- ▲ Continuous GNSS stations
- ◆ Absolute gravimetry



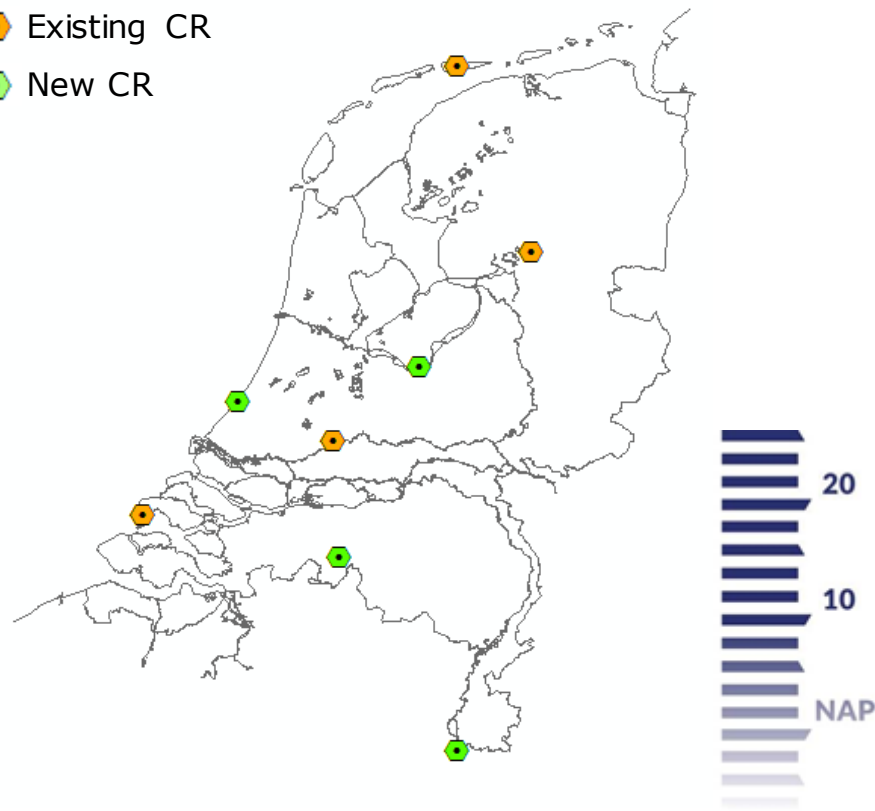
InSAR

- National deformation map
- Passive corner reflectors (CR)



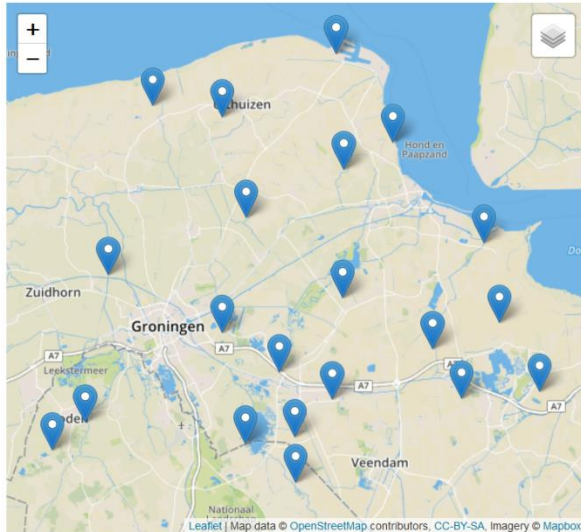
Existing CR

New CR



Integrated Geodetic Reference Station

- Colocate GNSS, InSAR, leveling, ...



InSAR infrastructure plans

New IGRS stations (destined for new locations)

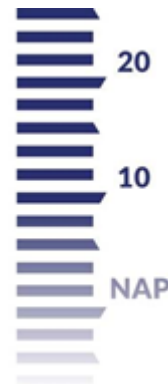
- IGRS installed in Cabauw (16 May 2019, by Kadaster)
- Further IGRS planned for Rouveen, Delfland, Epen for nation-wide InSAR infrastructure (with various partners)

ECR-C Transponders (destined for existing GNSS)

- Long running ECR-C phase stability test at Wassenaar test site
- EUREF stations IJMU and EIJS (replacement of SEA transponders)

Group purchase of ECR-C transponders (contact h.vandermarel@tudelft.nl before June 5)

InSAR-Geodesy-Transponder (IGT) User group



GNSS infrastructure

- Caribbean Netherlands (SEUS, SABY)



GNSS infrastructure

- GNSS at wind farm site North Sea (BORS)
- Test site →



Antenna/radar
mast



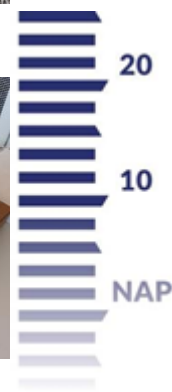
LiDAR system
KNMI



KNMI sensors



Wave height
sensor

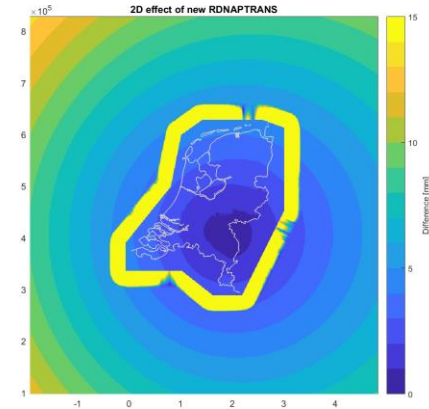
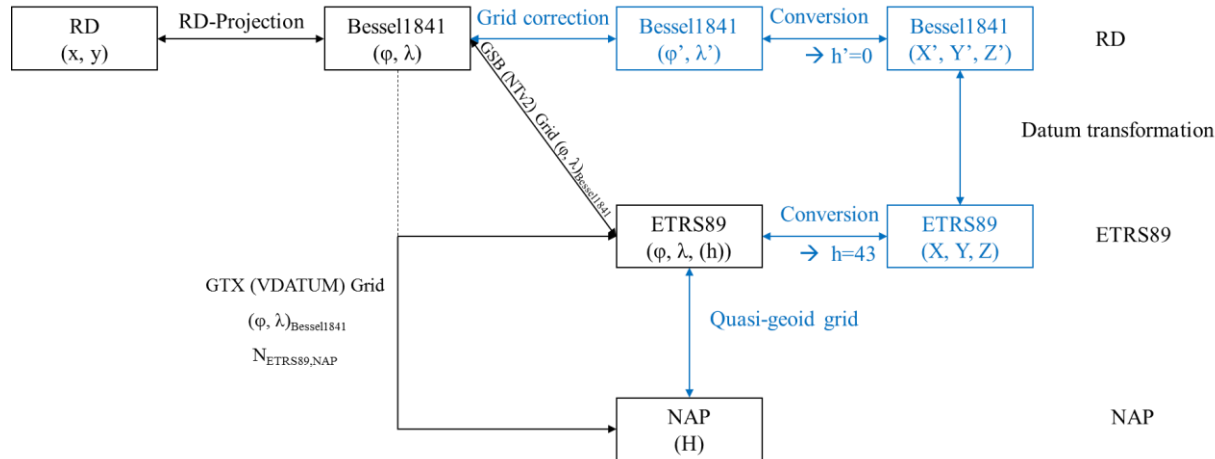


GNSS velocities



Transformation procedure

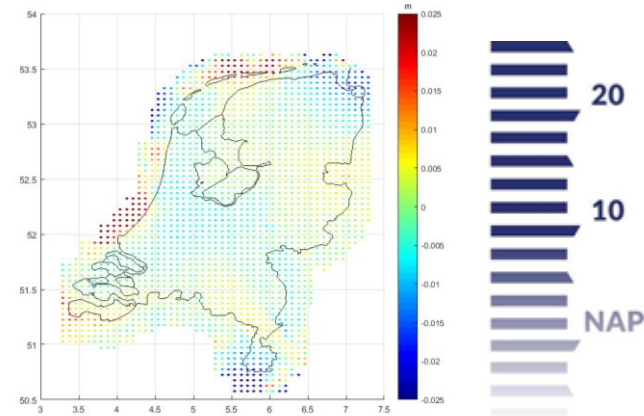
- RDNAPTRANS™ 2018



Datum transformation

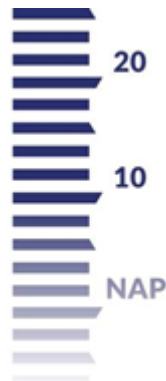
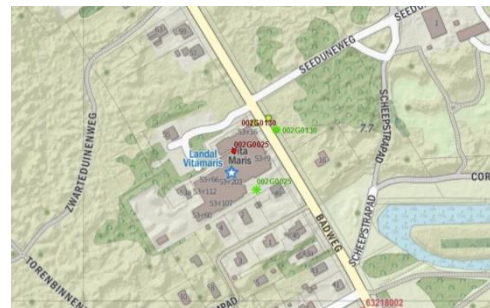
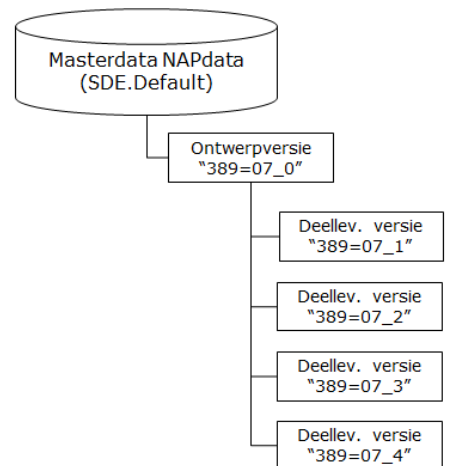
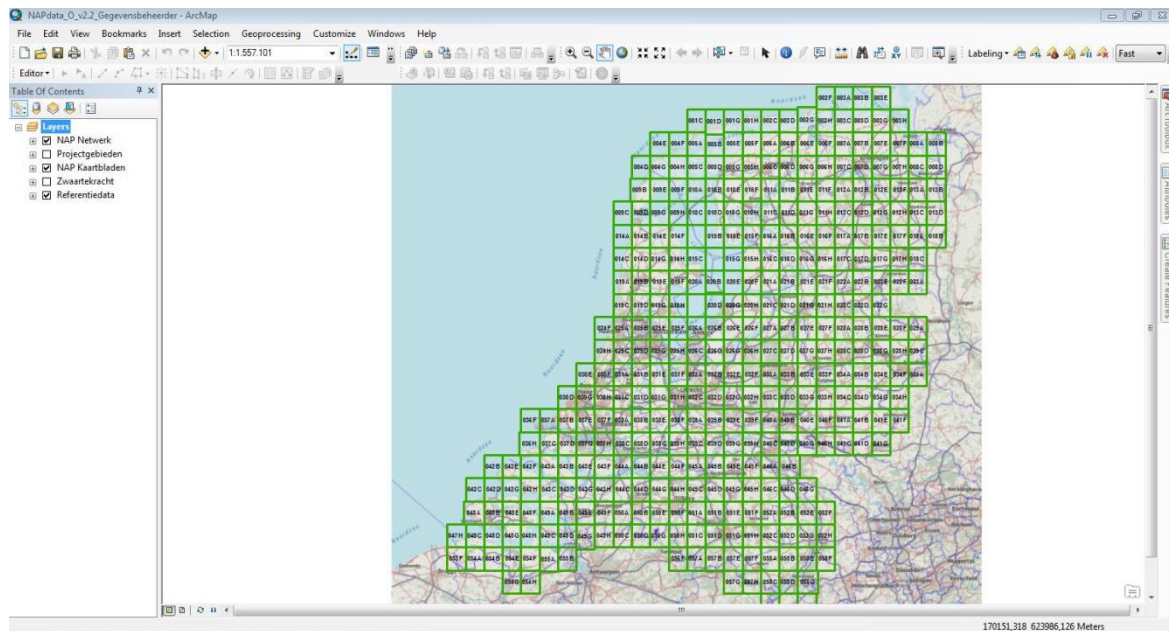
ETRS89

NAP



New NAP database

- Storage, analysis, network design and validation



Vacancy at Kadaster

Geodetic infrastructure and national triangulation network expert



<https://www.werkenbijhetkadaster.nl/vacature?vacancy=16681>

