

National Report Austria 2019

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EUREF 2019 Symposium – Tallinn, Estonia

BEV – Federal Office of Metrology and Surveying

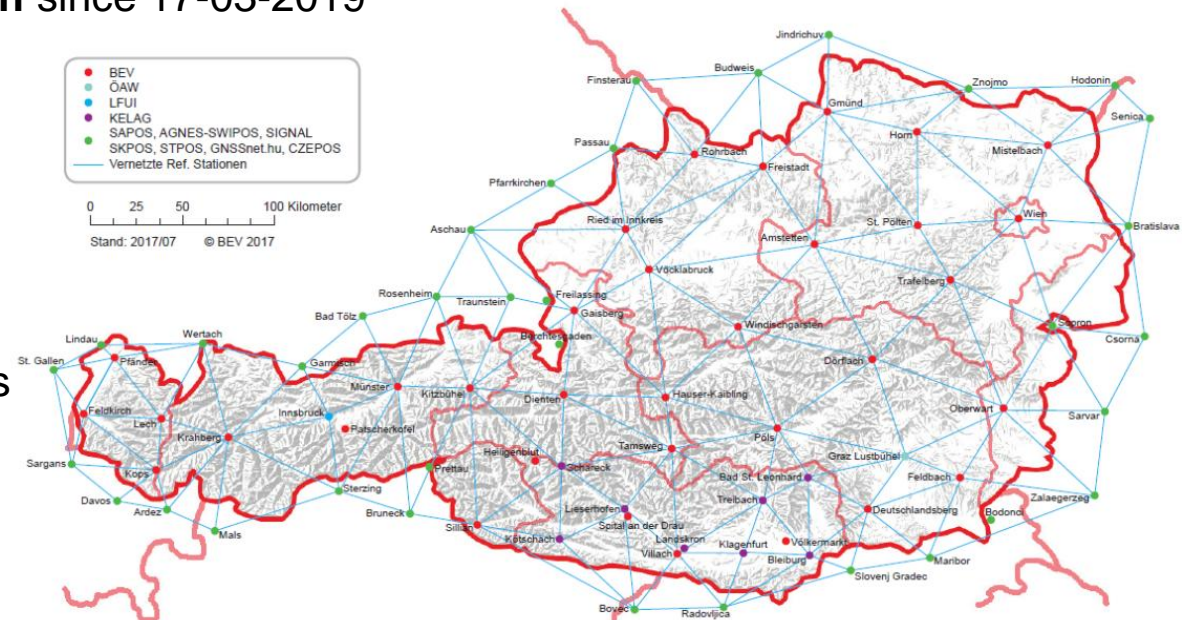


APOS GNSS network infrastructure

- § Currently **65** stations in use (36 in Austria)
- § **PFA3 – New EPN Station** since 17-03-2019

APOS Products

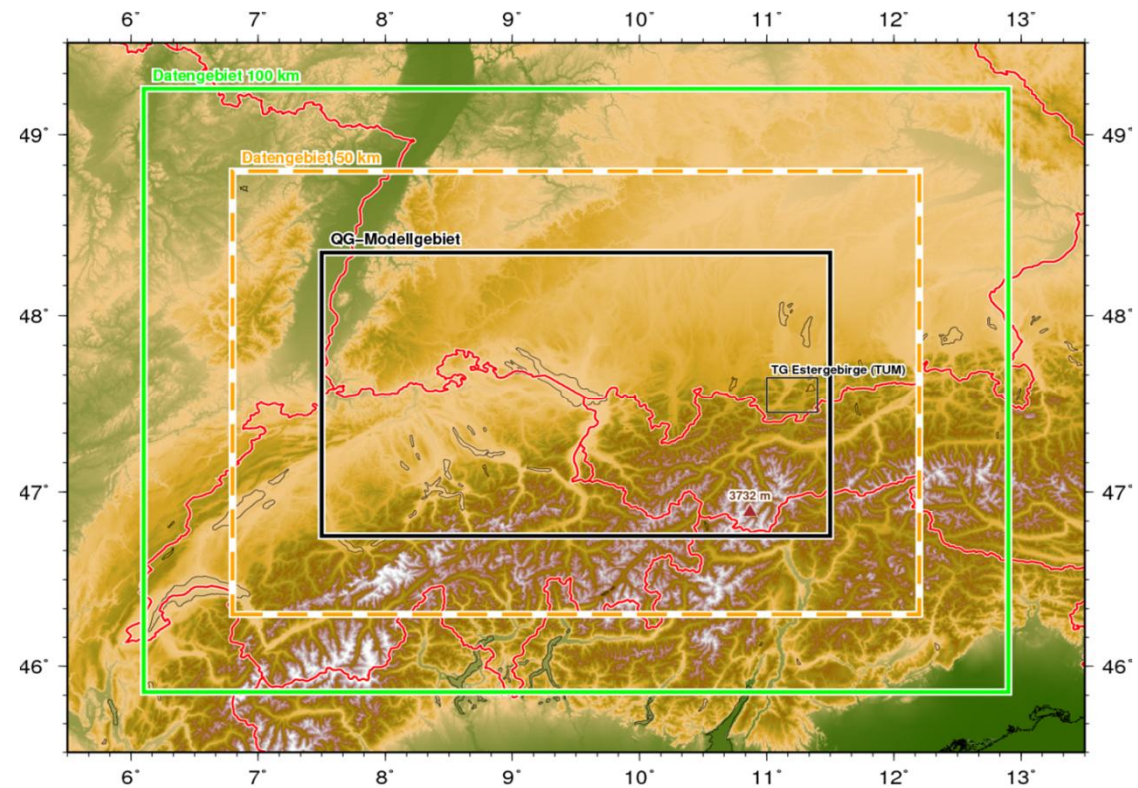
- § **NEW: APOS Real Time**
RTK/RTX-Service delivers
GALILEO - corrections



D_A_CH Geoid

BEV is data provider for:

- DEM (digital elevation model)
- gravity
- levelling
- GNSS



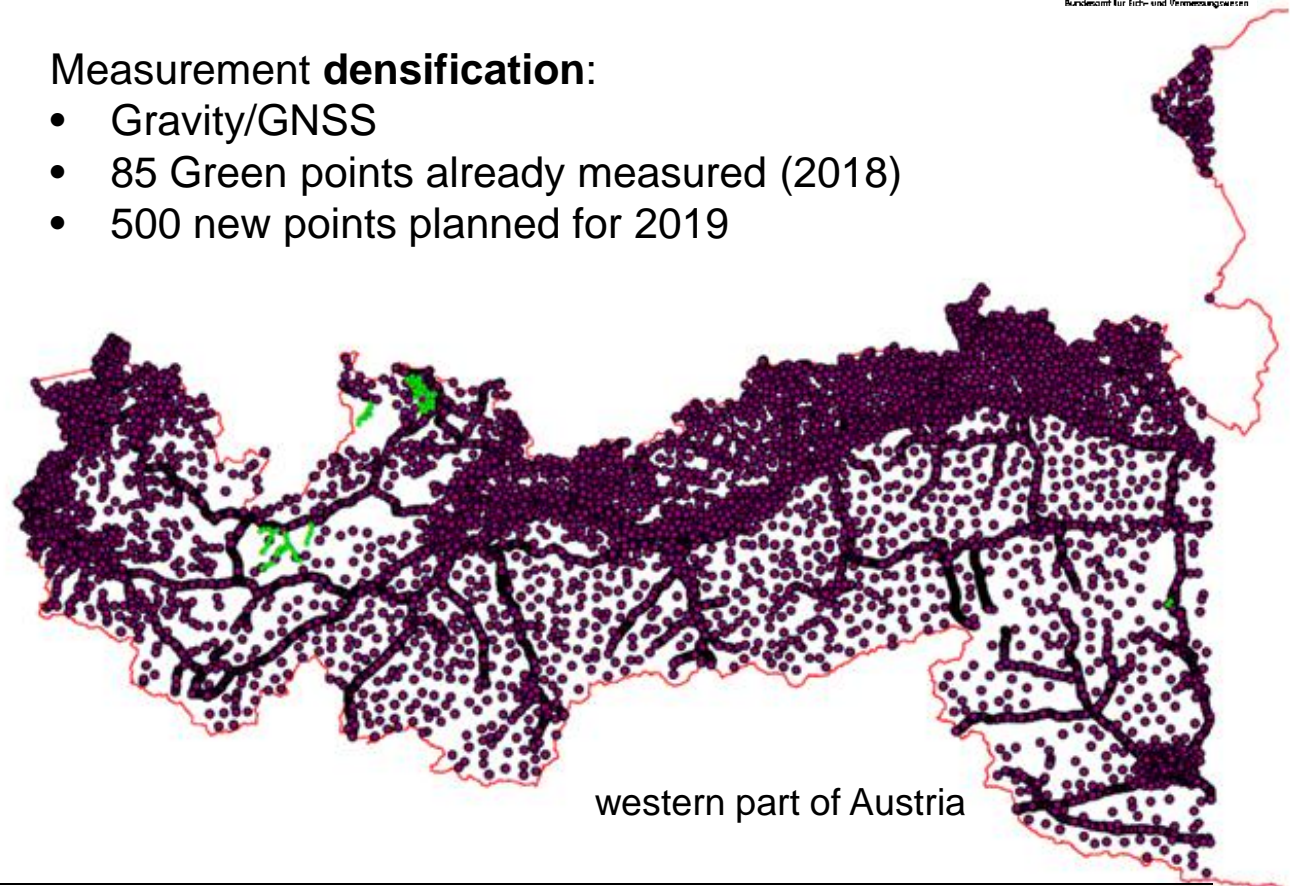
test area of D_A_CH Geoid



measurements in Austrian alps

Measurement **densification**:

- Gravity/GNSS
- 85 Green points already measured (2018)
- 500 new points planned for 2019



western part of Austria

Comparison Absolute Gravimeter FG5/242

- 2017 - key comparison in Beijing, China (CCM.G-K2.2017)
- 2018 – comparison in Wettzell, Germany (EURAMET.M.G-K3)

BEV transferred successfully the **standard for gravity acceleration** to Wettzell



comparison in Wettzell, Germany

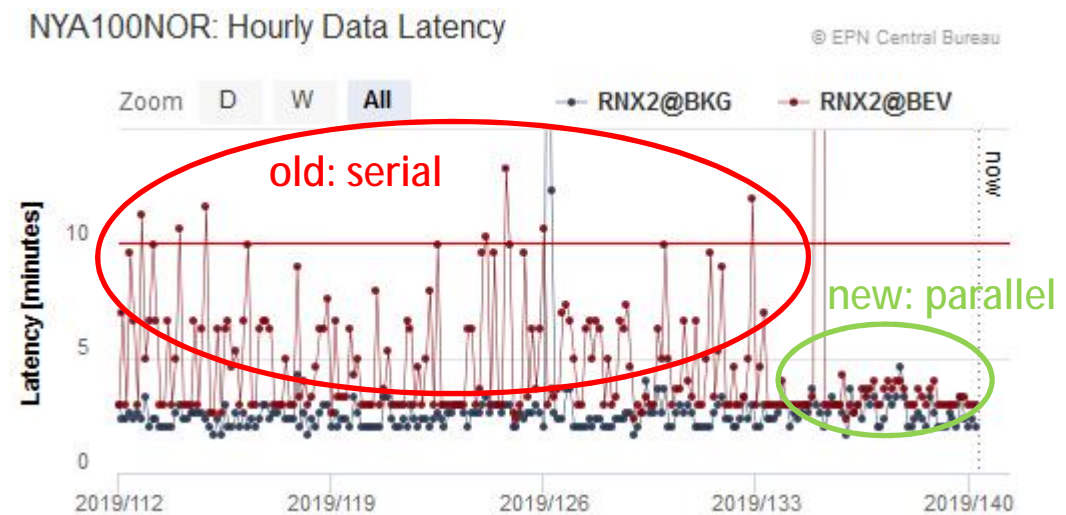
EPN Data & Analysis Center

BEV - Regional Data Center:

- delay peaks (latency)
- new workflow: serial to parallel
- in progress since last week

BEV – Analysis Center:

- Galileo Solution
- RINEX 3
- MGEX Orbits



latency improvement of new data center workflow

GGOS – Global Geodetic Observing System

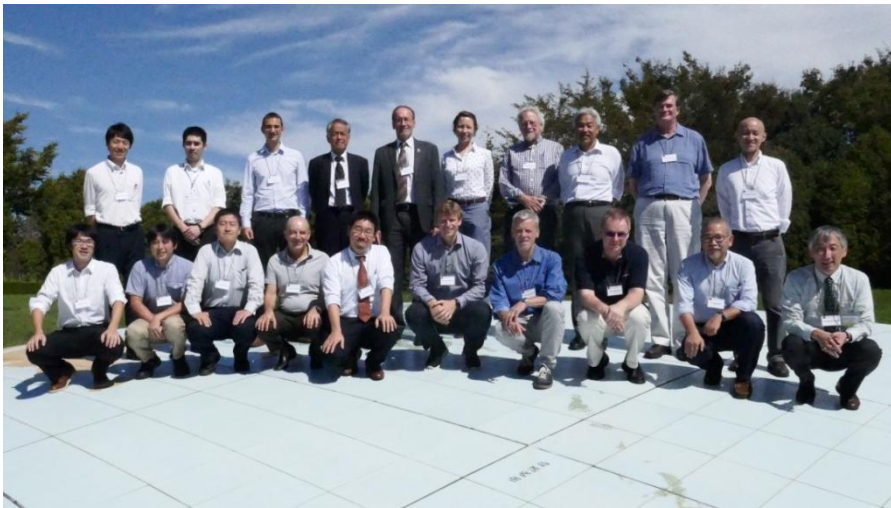
- BEV hosts the GGOS Coordinating Office since 2016
- New “**Manager of External Relations**” – Allison Craddock
- **GGOS Affiliate** – Japan
- Goal: use **DOIs** (digital object identifiers) for **geodetic metadata**



IUGG



Global Geodetic
Observing System



GGOS Days in Tsukuba, Japan (2018)



visit of new VLBI station in Ibaraki, Japan

Thank you for your attention ...