

National Report - Austria

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BEV – Federal Office of Metrology and Surveying
May 25, 2023 - EUREF Symposium 2023

AC - Analysis Center at BEV

- Processed **EPN stations: 178**
- **ITRF2020** as reference frame
- Update to **BERNESE 5.4**

DC - Data Center at BEV

- Reminder: Please switch to **HTTPS** upload



EAlpG – European Alps Geoid¹⁾

- **Uniform geoid for the Alpine region** (➔ *Session 1: Schwabe et al.*)
- Kick-Off 2021, follow-on to DACH-Geoid project
- **Project meeting** in Vienna (29-30 Sept 2022)
- Ongoing **gravity desification** campaign in Austria
 - Fill data gaps, esp. at high altitudes
 - Replace outdated data



Equipment:
Scintrex CG-5 and
APOS GNSS rover

¹⁾ Bauer et al. (2023): *The European Alps Geoid (EAlpG) Project – a joint initiative for improved cross-border regional geoid modelling and height transformation*, EGU General Assembly 2023, <https://doi.org/10.5194/egusphere-egu23-7431>

APOS – recent developments

- **APOS Postprocessing (APOS-PP)**

- **RINEX data** of all APOS stations available at data.bev.gv.at according to **Open Government Data (OGD)** directive
- **01S** interval + **30S** interval
- **Structure:** year-day-station / station-year-day

- **New APOS stations**

- Planned densification in Austria's agricultural regions

- **Solar cycle**

- Increased **monitoring and quality checks** regarding solar activity

Beschreibung

Downloads, Ansichten und Links

Downloads und Links

 **Datenintervall 01 S - Direkter Link zum Katalog**

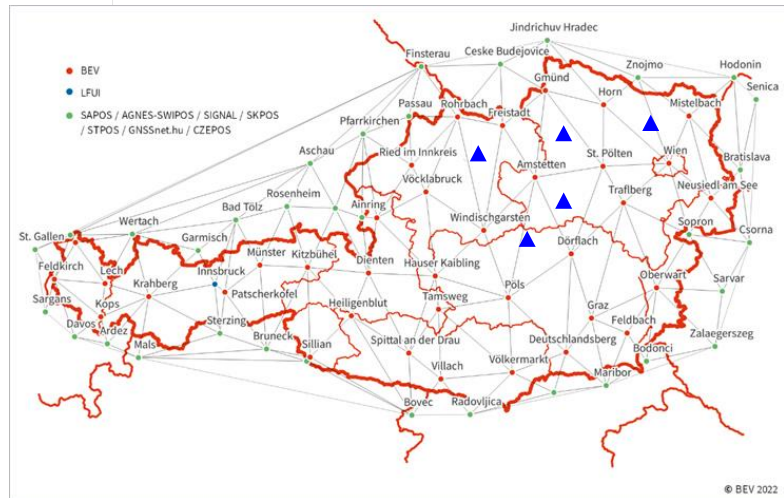
Link öffnen

Strukturierung: Jahr - Tagenummer - Station
https://data.bev.gv.at/download/RINEX/RDH1/01S/stac/by_date/catalog.json

 **Datenintervall 01 S - Link inkl. STAC-Browser**

Link öffnen

Strukturierung: Jahr - Tagenummer - Station
https://radianteearth.github.io/stac-browser/#/external/data.bev.gv.at/download/RINEX/RDH1/01S/stac/by_date/catalog.json



Idea:

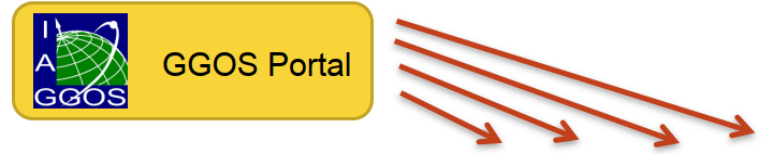
- Develop a **unique access point**
- for **geodetic data & products** (within IAG)
- based on **metadata & DOI's**

Community Survey:

- March/April -> 195 participants!
- Result: at IUGG General Assembly & GGOS Days

Feasibility Study:

- Test of different software packages (bachelor thesis at BEV & TU Wien)



ggos.org/portal

Thank you for your attention!

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