

*Regional Cooperation for
Limited Area Modeling in Central Europe*



OPLACE processing of E-GVAP data

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- **E-GVAP (EUMETNET GNSS Water Vapour Programme)**

- provides GNSS signal delay & WV measurements for operational meteorology
- RC LACE inquiry about an interest to get OPLACE processed ZTD data:
 - - 4 LACE Members (also E-GVAP Members) HU, CR, SI, SK interested in
 - - 3 LACE Members (not E-GVAP Members) AT, CZ, RO not yet

- **E-GVAP data policy**

- access granted to all EUMETNET members, independently of being E-GVAP mem.
- for E-GVAP it is important to demonstrate use and usefulness of products and feedback should be provided when new institute start to use the data
- **RC LACE got access & is allowed to share data via OPLACE**

- **hourly ZTD data**

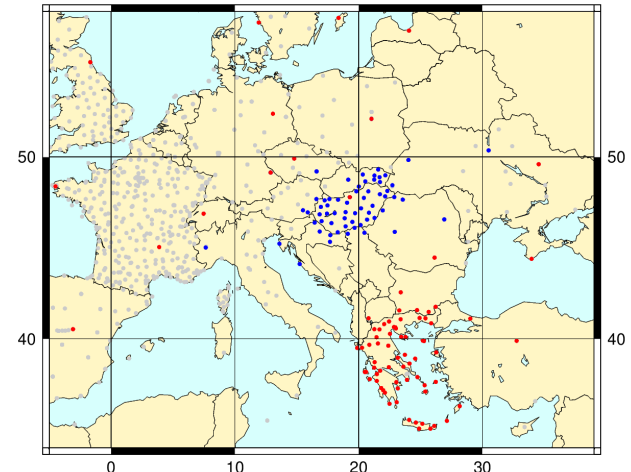
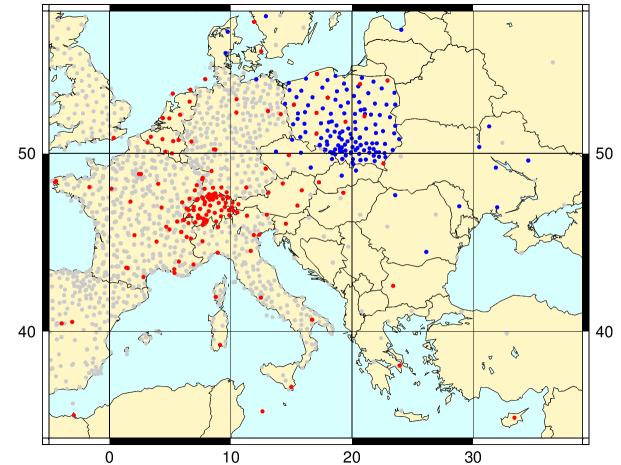
- quality of ZTD increases with time
- 3 classes or dissemination status flags for NRT:
 - - Operational (stable, reliable & of good quality) available **via GTS in BUFR**
 - - Demonstration (intermediate between operational and test) **via FTP in ASCII**
 - - Test (from new centre or trying alternative processing strategy) **via FTP in ASCII**

- **operational data**

- around 20 networks
- network usually covers given country & some extra data from other countries
- **limited data over LACE countries**
- available **via GTS in BUFR format**
- or **via FTP in ASCII format**

- **test data**

- around 10 networks
- available only **via FTP in ASCII**
- one file per network



- **Question 1: BUFR vs OBSOUL format ?**
 - (AWK-based conversion of all networks to OBSOUL takes rather long (10min)
 -) BUFR can be processed by BATOR directly (minimal processing & minimal bugs)
 - Meteo France use GNSS data in BUFR format
- **Question 2: one output file per network or a single file for all networks ?**
 -) file per network gives flexibility to users to get only needed data
 - (many (30) small files to process & download
- **Proposal for OPLACE: BUFR format & single file**
 - get operational data from GTS already in BUFR
 - get test data via FTP & (temporarily convert to OBSOUL) & convert to BUFR
 - merge all (operational + test) into **single output file**
- **Question 3: duplication handling ?**
 - (given location can be available from several networks (or processing algorithm)
 - unique specification using: stationID=station_name+network_name
- **Question 4: how frequent OPLACE updates ?**
 - quality of ZTD increases with time