LAND SURVEY OFFICE

CZEPOS

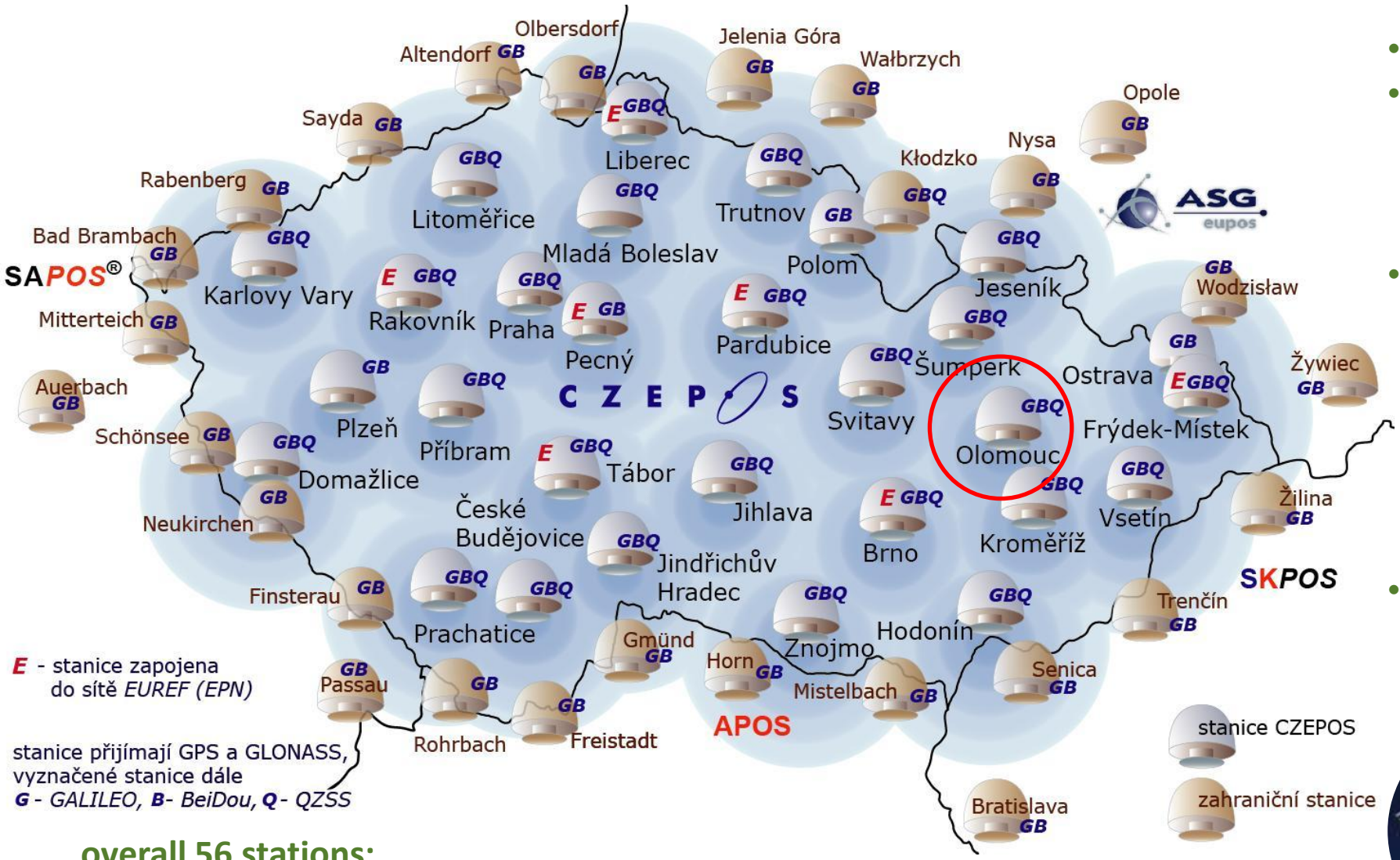
2004 — 2024

EUPOS 2024

Land Survey Office, Department of Geodetic Control

Jan Řezníček

Administration of CZEPOS network



- **real-time services**
- **post-processing products**

- **precise positioning**

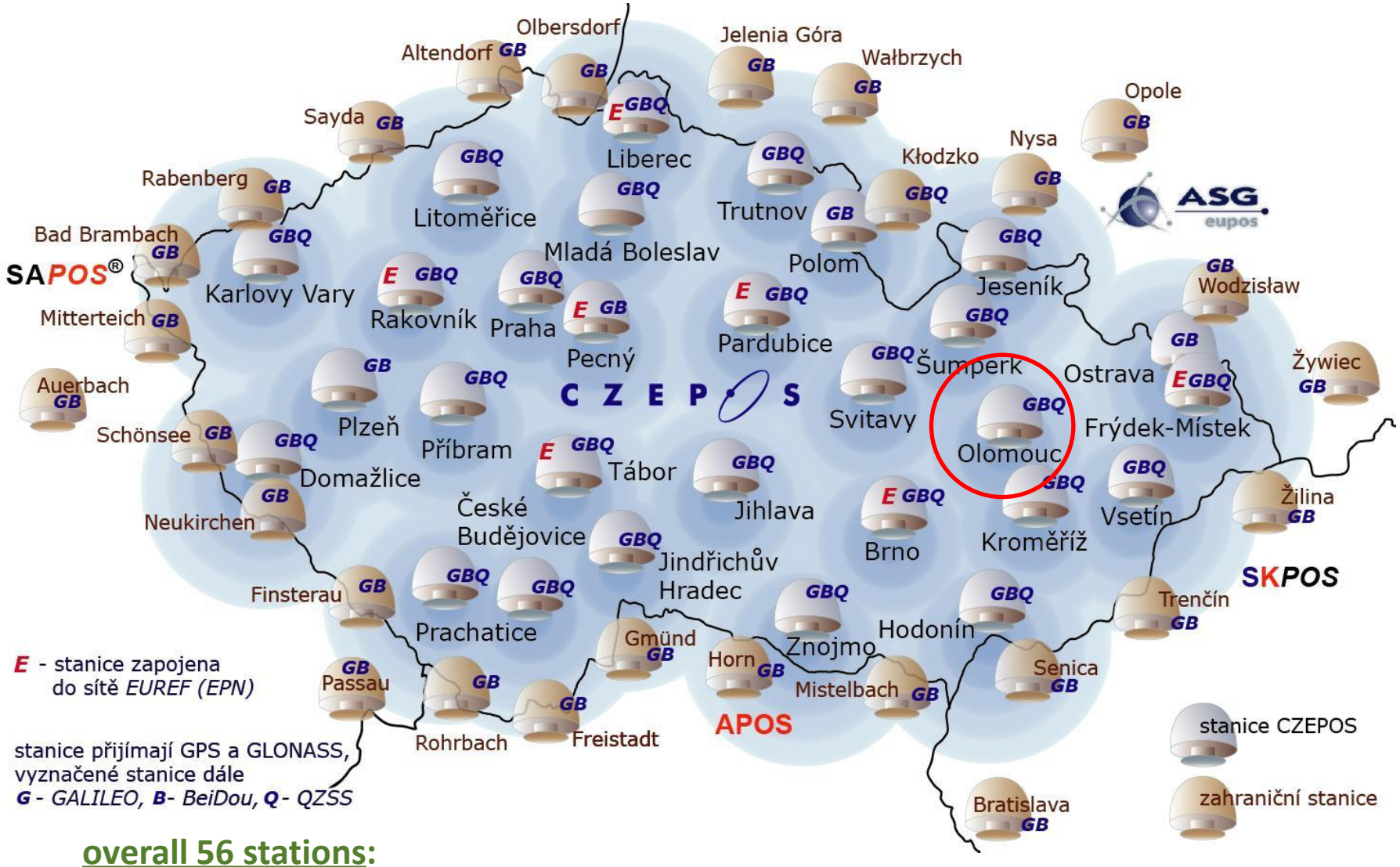
- **precise navigation**

overall 56 stations:

- **29** Czech stations
- **27** neighboring stations

CZEPOS

CZEPOS – new station in Olomouc



overall 56 stations:

- **29** Czech stations
- **27** neighboring stations

CZEPOS users

2024-10
users: 2790
precise agriculture: 306
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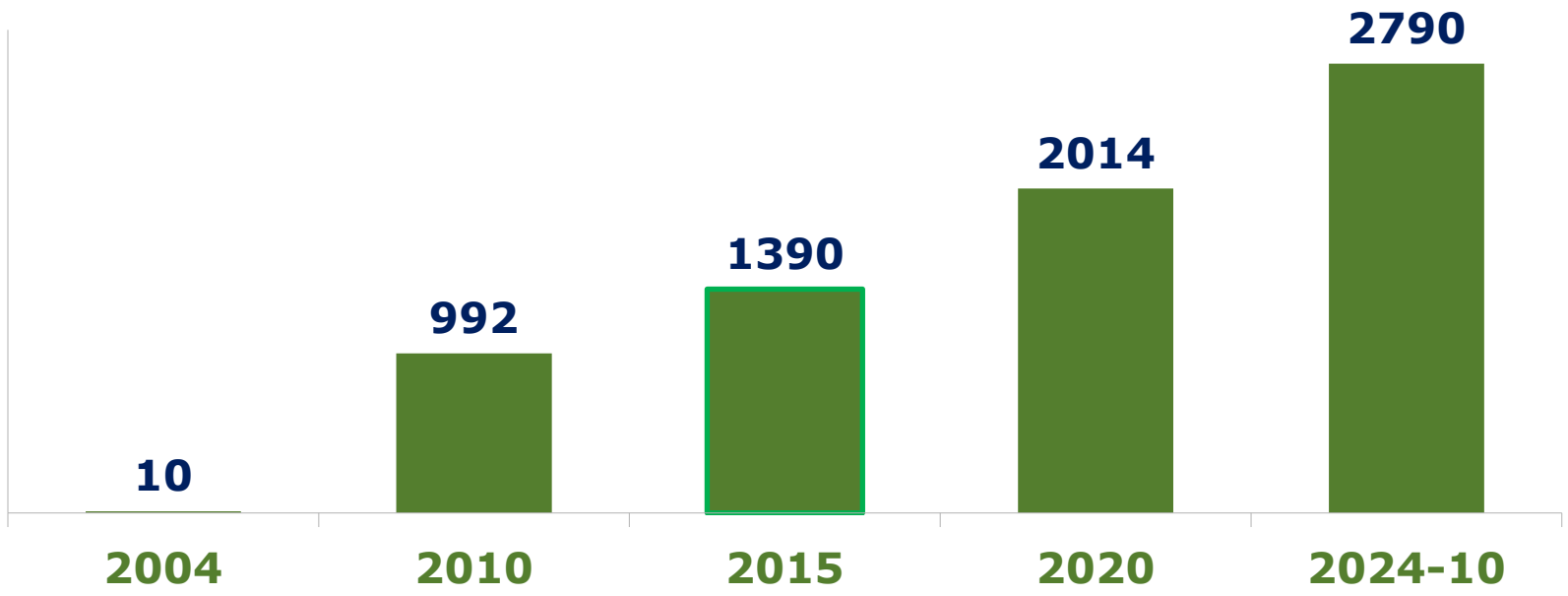
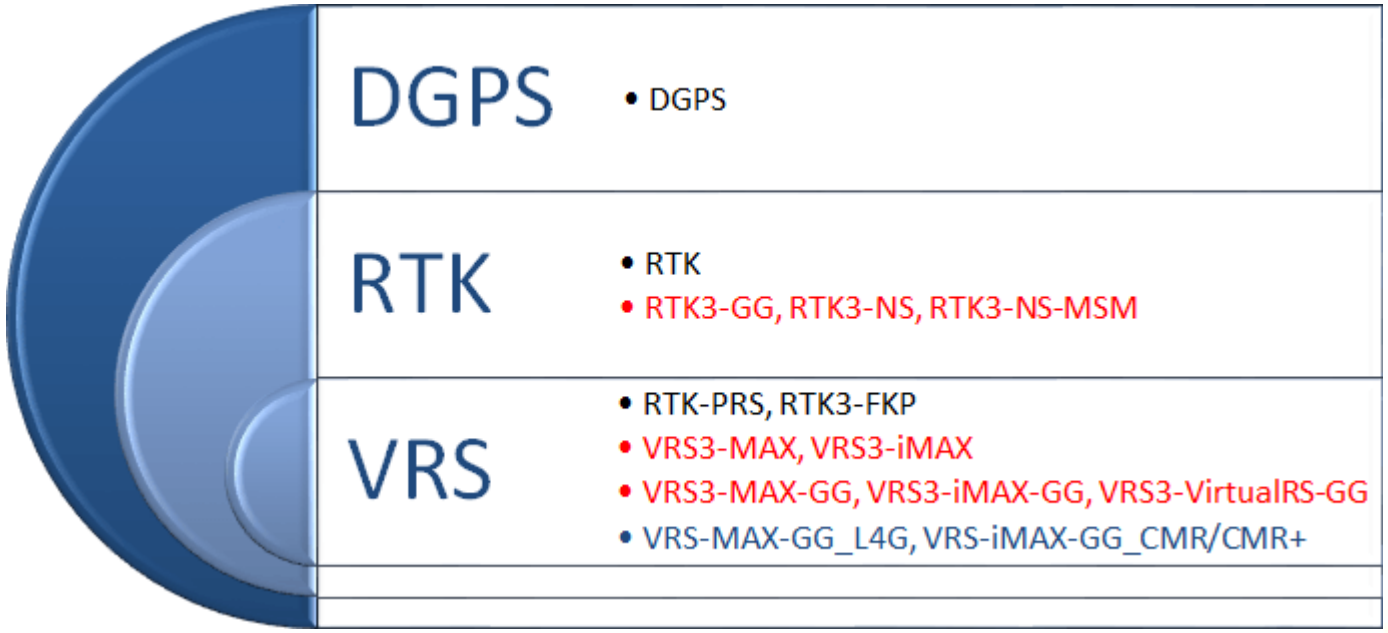
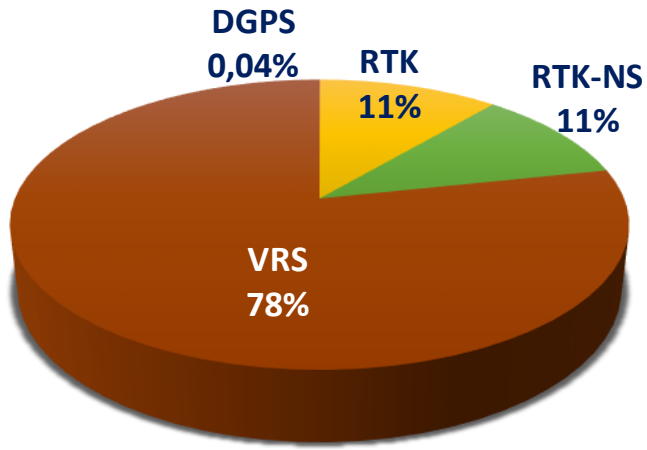
active users: 66 % ~ about 1840



CZEPOS

Categories of real time services



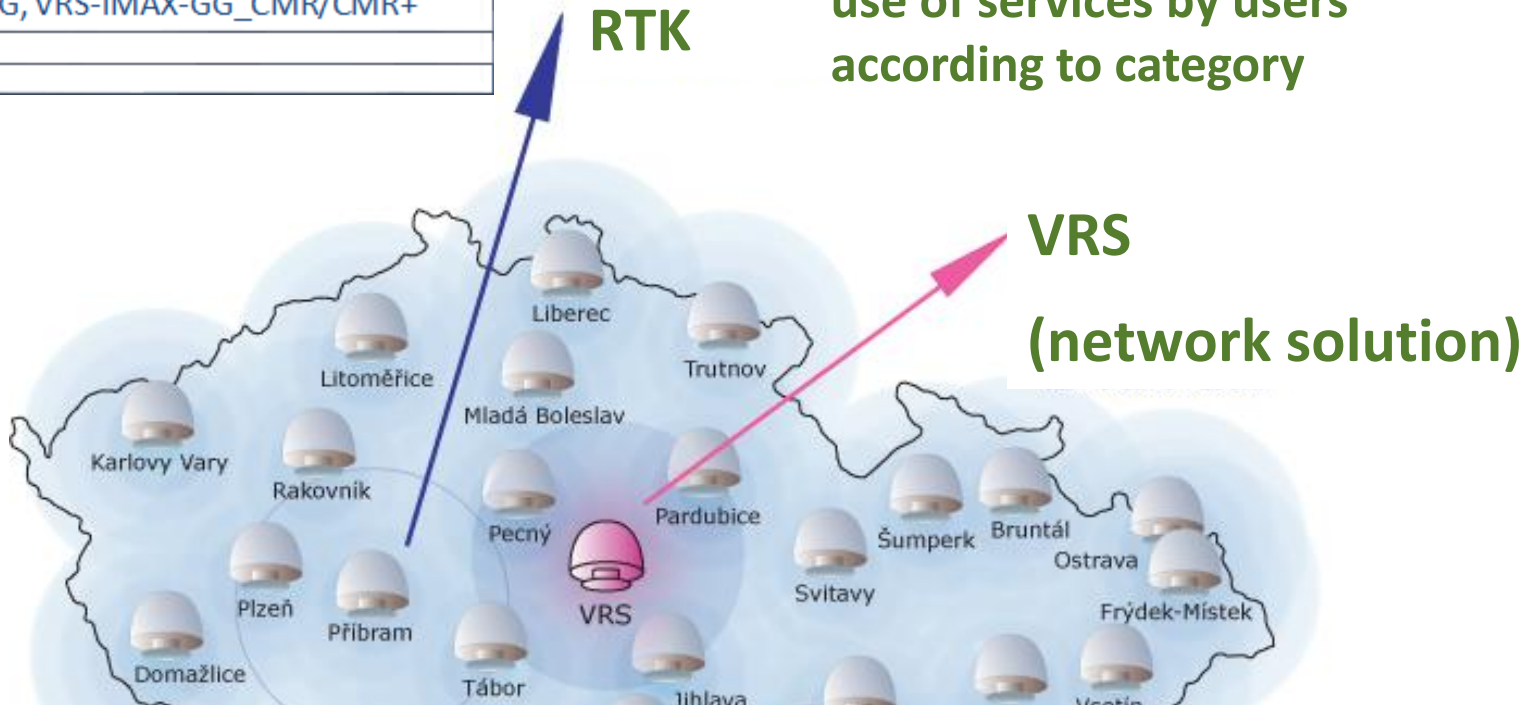


use of services by users according to category

DGPS: dm accuracy
- data from selected station

RTK: cm accuracy
- data from selected station
- data from nearest station

VRS: cm accuracy
- data from virtual reference station



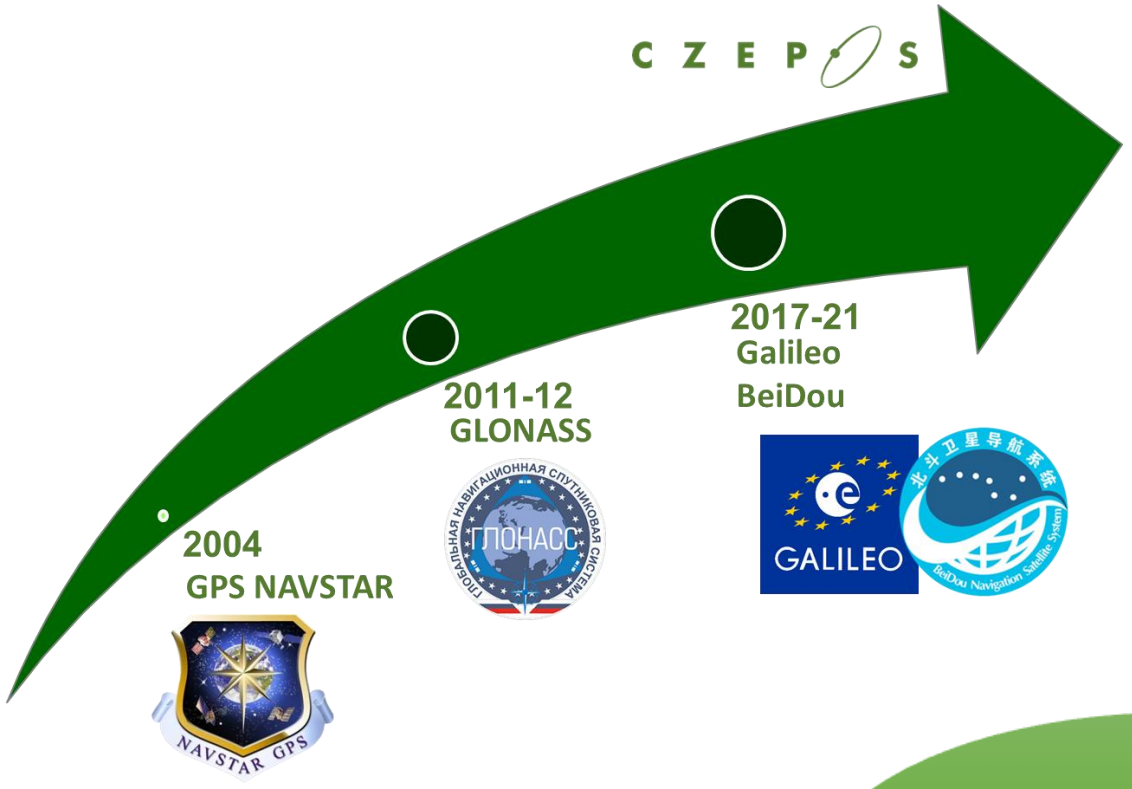
HW CZEPOS – upgrade in last years

Leica GR30 receivers

- since 2018-2019

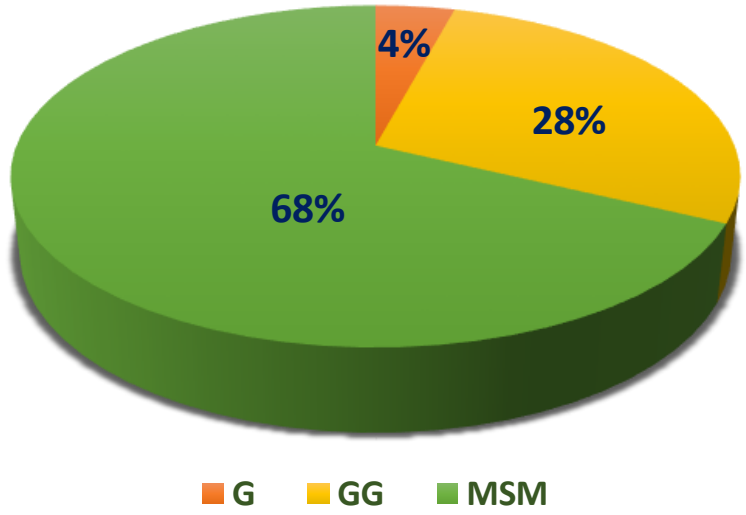
Leica AR25 antennas

- since 2012

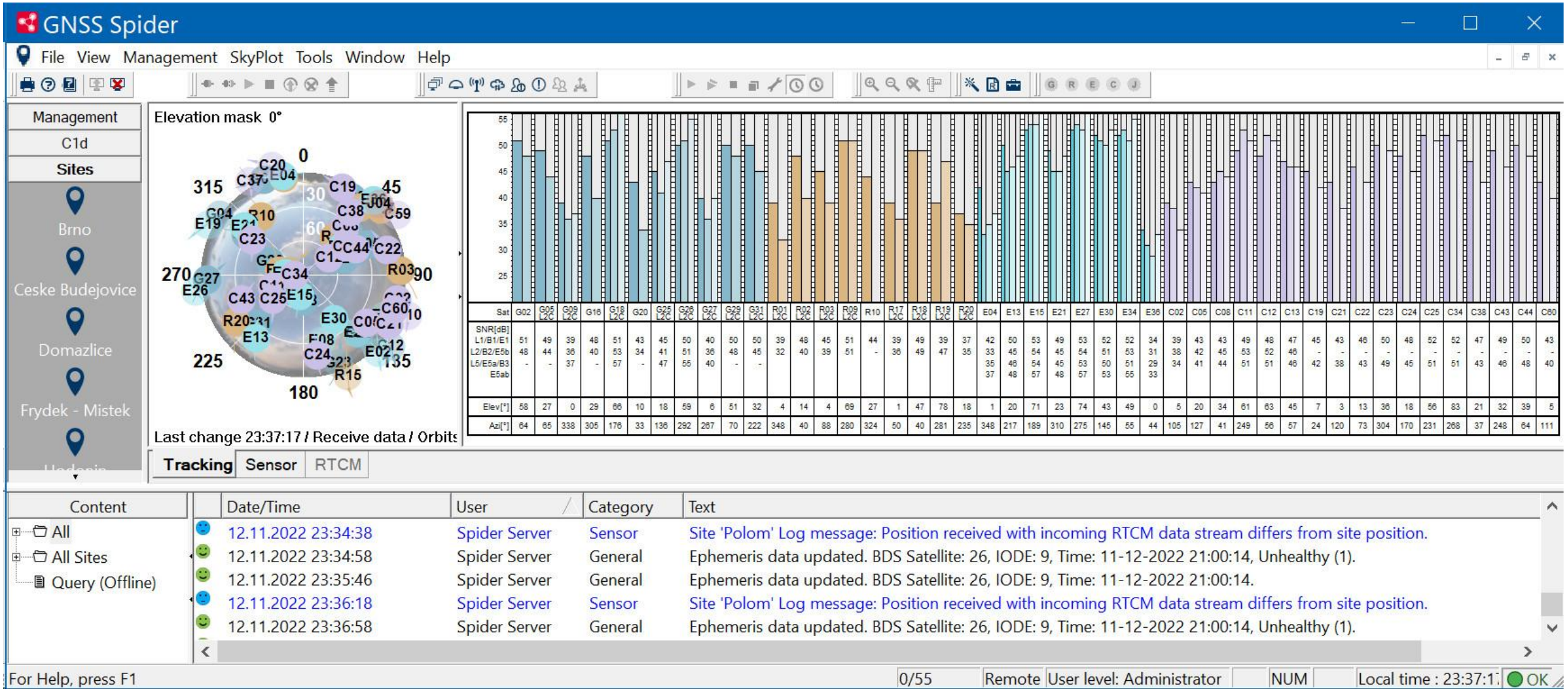


compatibility of CZEPOS services with GNSS

use of services by users according to GNSS signals



Software



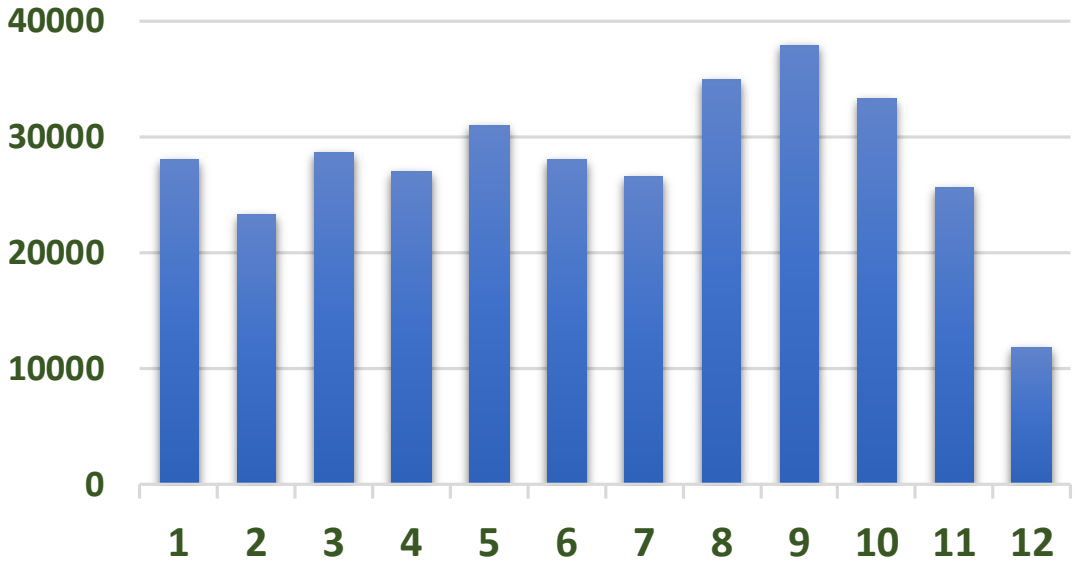
Leica GNSS Spider

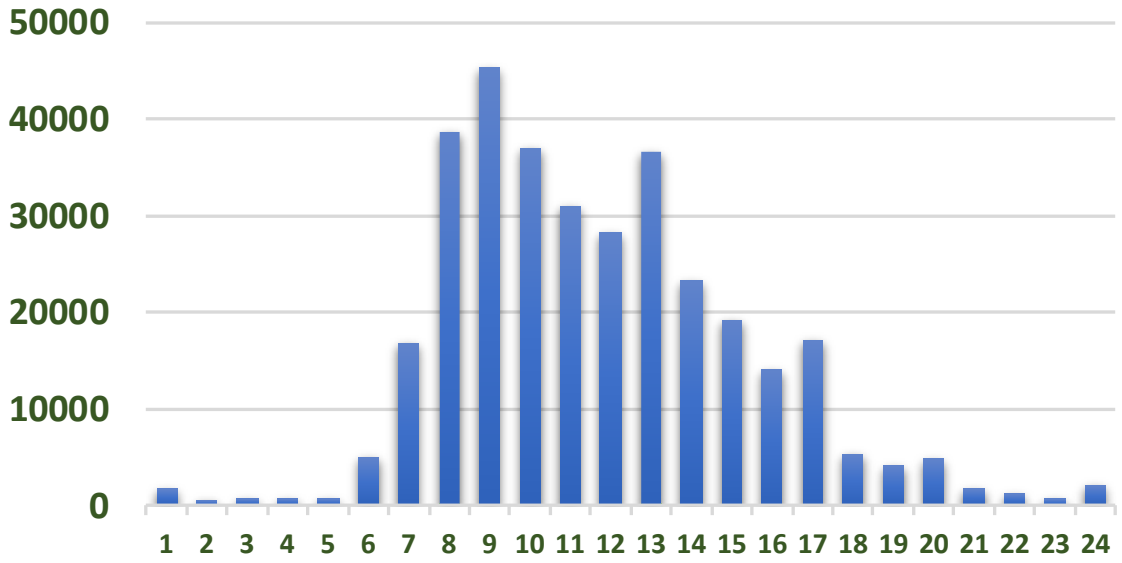
Primary installation – 12 months a year

Secondary installation – 1 month a year

Use of services during the year and day

according to the reality of 2023





CZEPOS – prices

Hourly prices	regardles num. of devices
real time services - category RTK & VRS	60 Kč \ 2,30 €
post-processing (RINEX data 1s)	50 Kč \ 1,92 €
Annual / Monthly prices	**per 1 device**
real time services - category RTK & VRS - 12 months	10000 Kč \ 385 €
real time services - category RTK & VRS - 1 month	1000 Kč \ 38,5 €

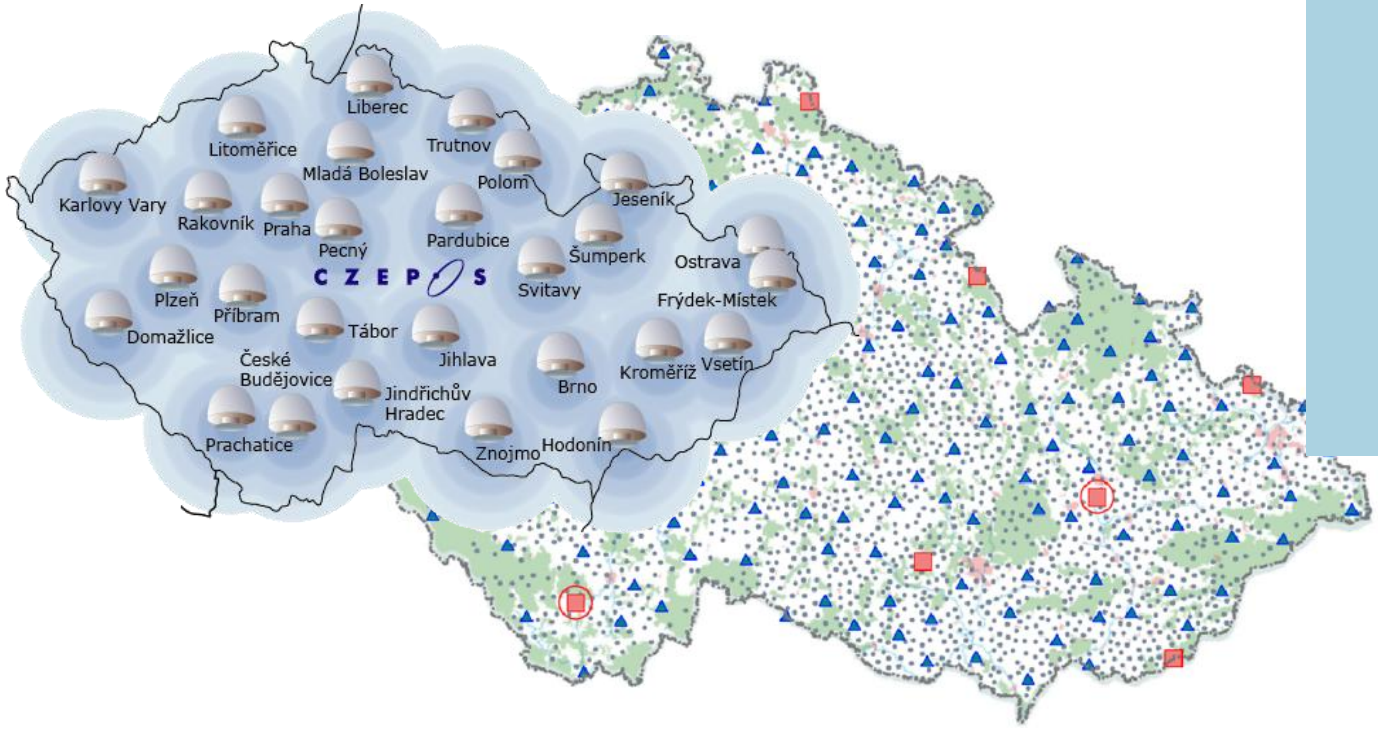
since 2023: prices implemented in legislative
(„land surveying“ decree 31/1995 Coll.)

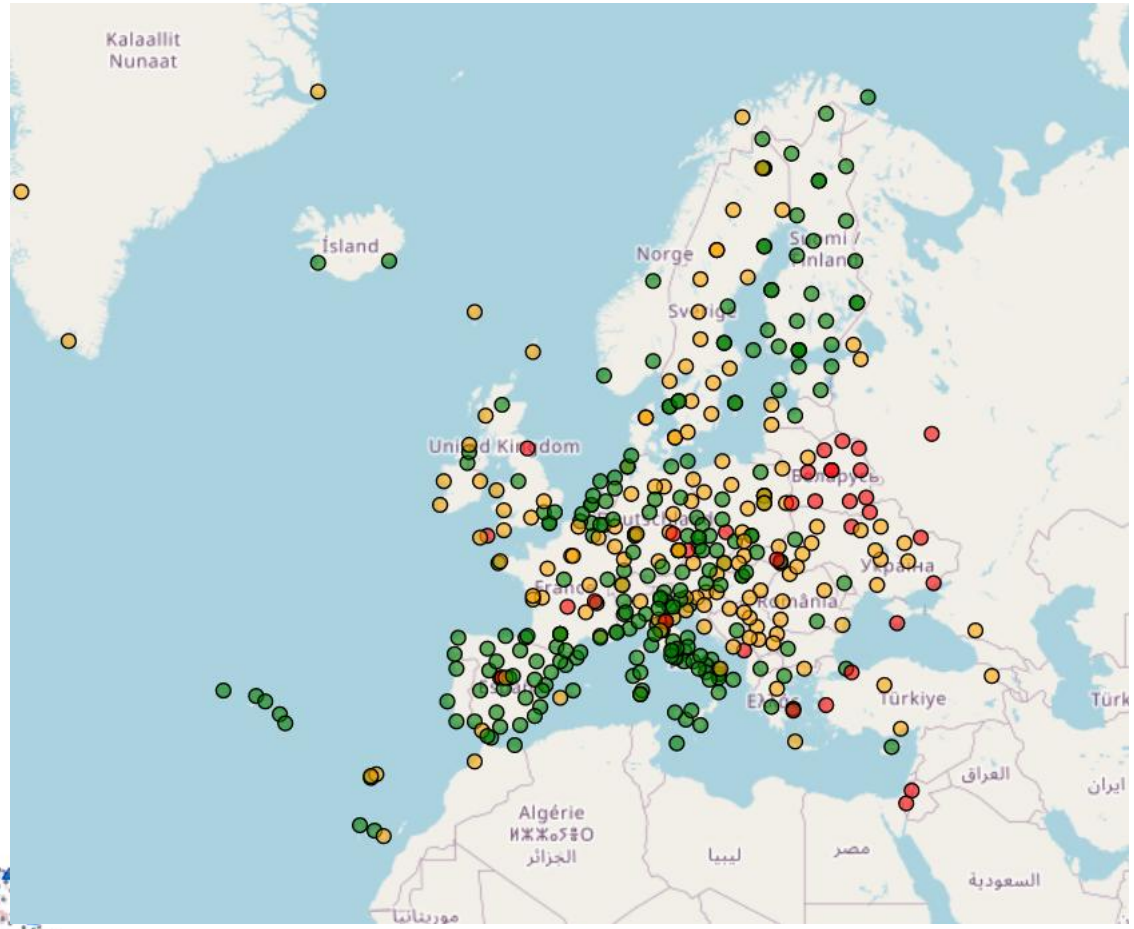
free of charge for state administration

CZEPOS as a part of geodetic control

since 2023: support in legislative
(Act No. 200/1994 on land surveying)

CZEPOS is legally part of geodetic control





- 7 stations involved in EUREF – EPN
- cooperation with EUPOS

Thank you for your attention

https://czepos.cuzk.gov.cz