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National report of Serbia

F. Kostadinović, V. Nikolić



REPUBLIC GEODETIC AUTHORITY
OF SERBIA



Key Activities of the GNSS Section in 2026

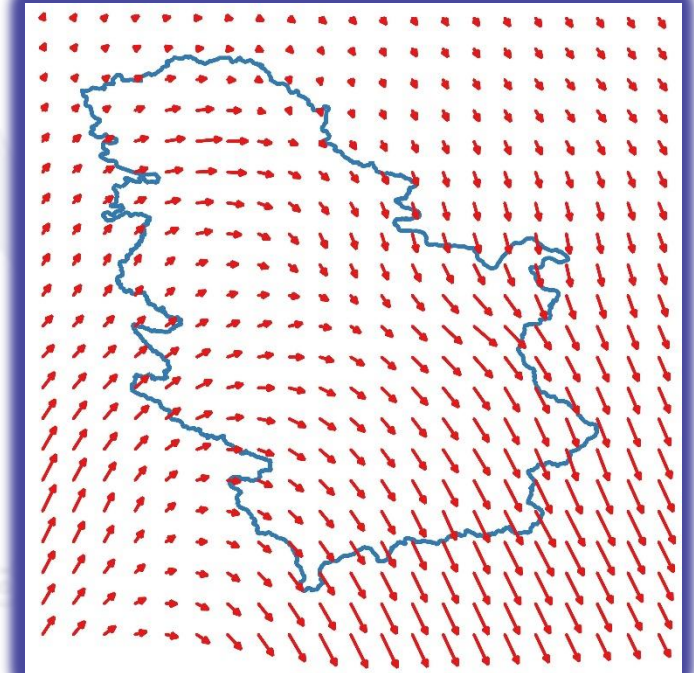
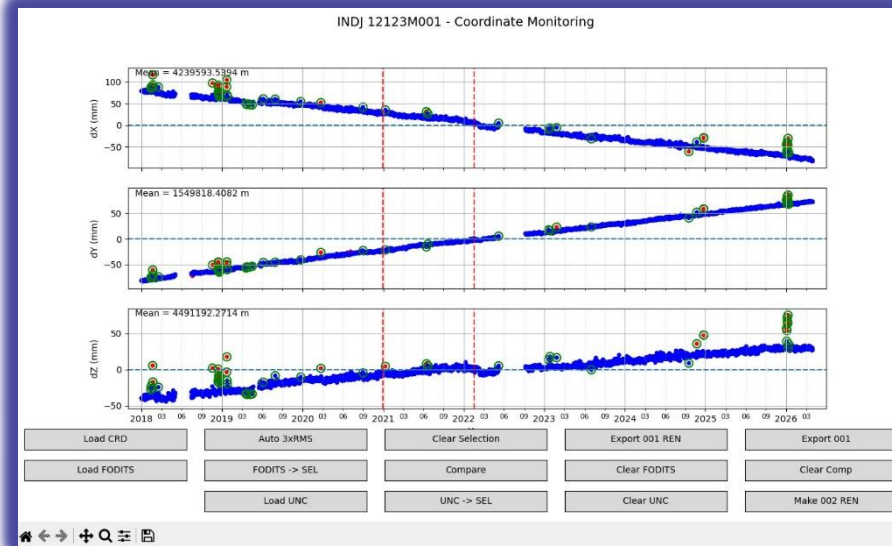
Validation of the EUREF Serbia
2023 campaign

Proposal for the inclusion of
PLN200SRB in the EPN Network

Local Analysis Centre
(RGA LAC)

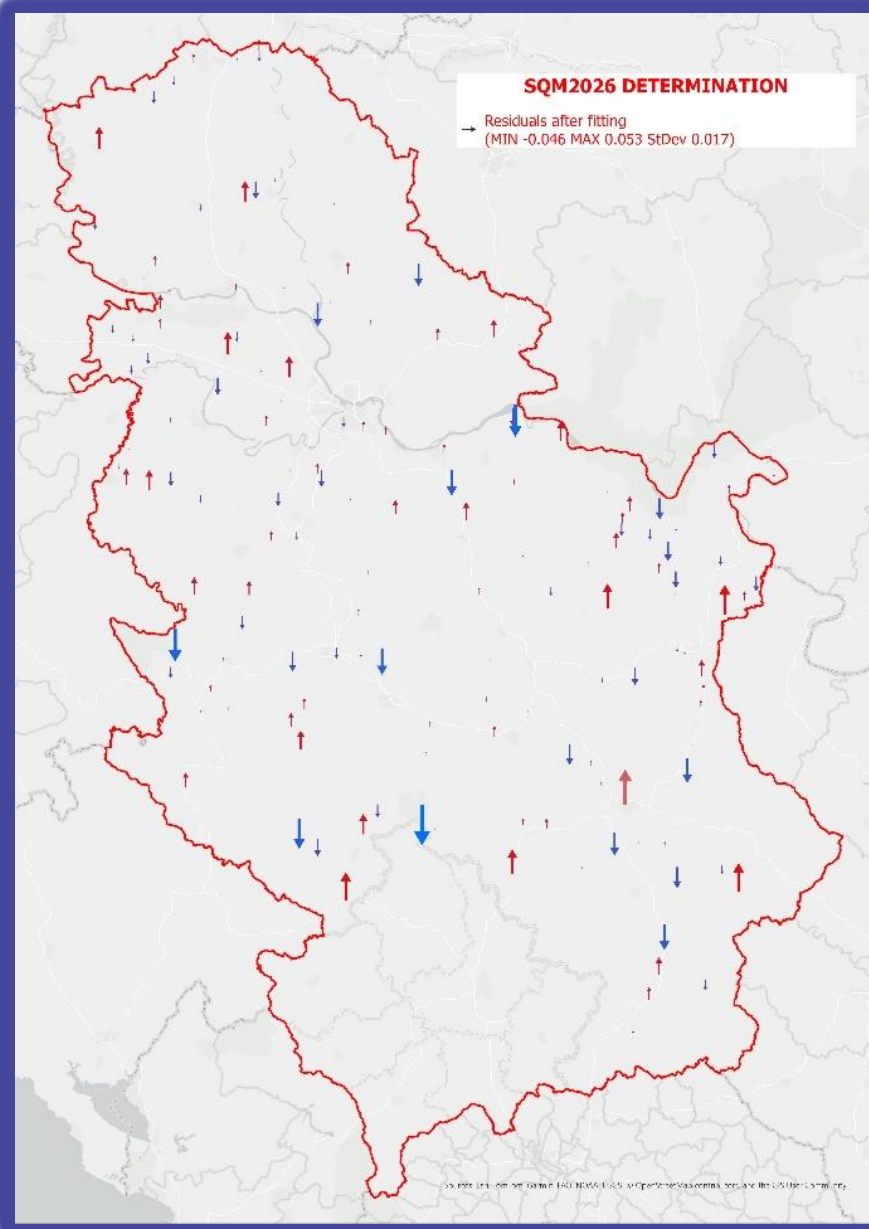
AGROS Network Reprocessing
2018–2026

**Preliminary GNSS Velocity
Model for Serbia**





Gravity Data and SQM2026 Computation



Gravity networks in Republic of Serbia

- Absolut gravity points – 3 points
- Basic gravity network – 79 points

Gravity data until 2024

- Gravimetric survey – 1111 points

Gravity data 2025

- **Reference Leveling Network – RLN – 1808 points**
- Reference Network of Serbia – SREF – 823 points
- Gravimetric survey – 2360 points
- **Summary 5007 points with gravity data and height (STATIC and RTK)**

SQM2026 Determination

- Measured GNSS/Leveling observation - 189 points
- Planned GNSS/Leveling observation - 84 points

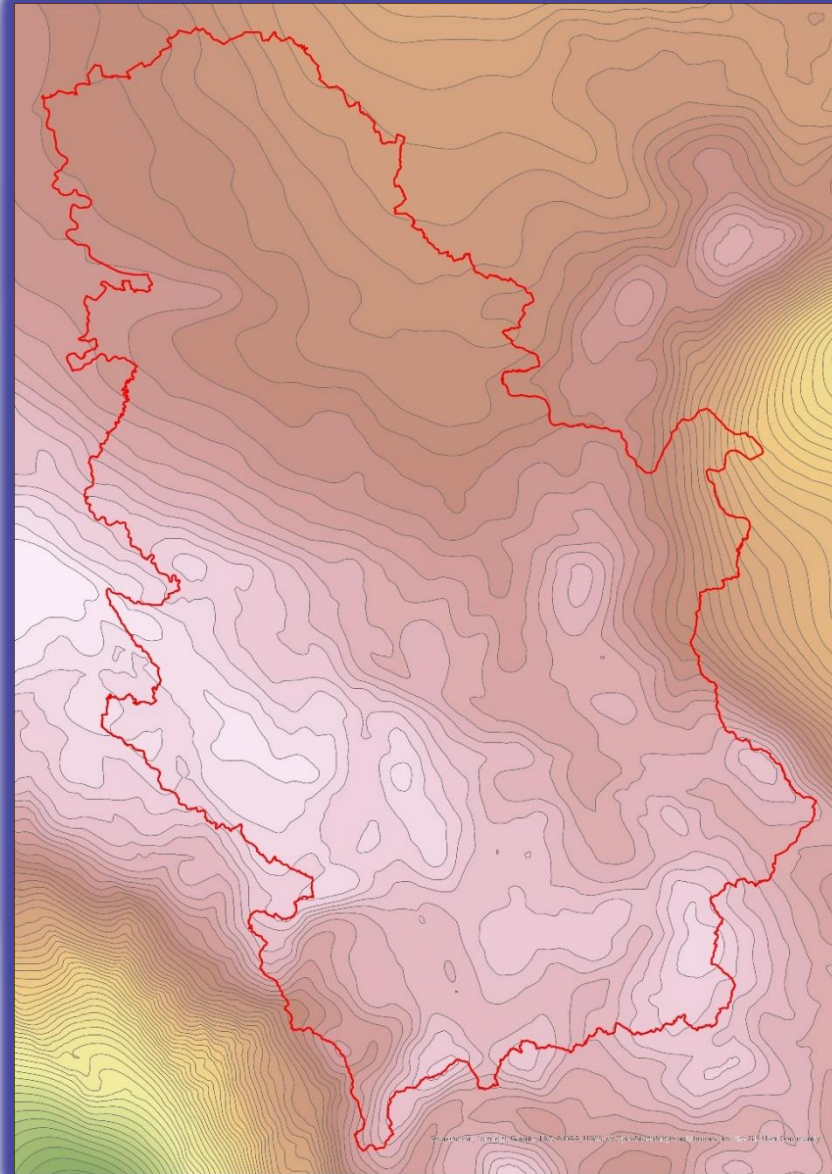
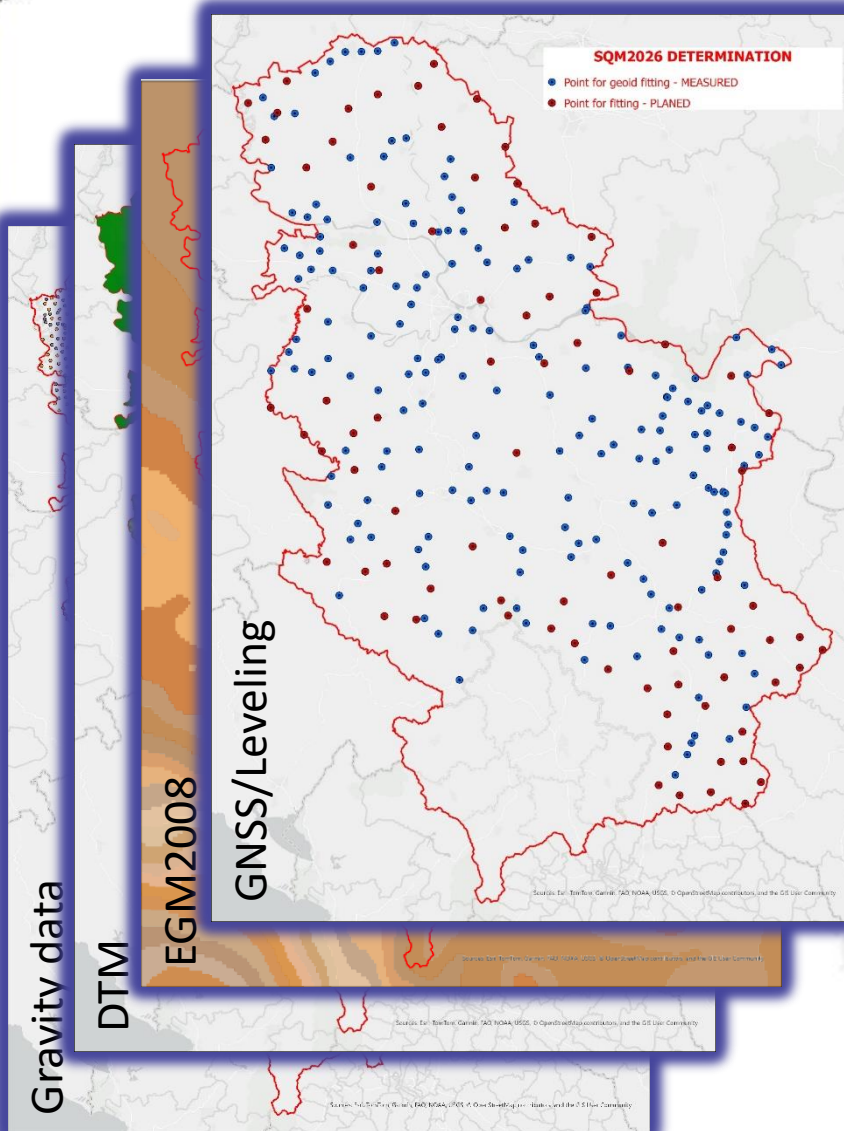
Preliminary SQM2026 calculation

- Residuals on GNSS STATIC/Leveling points
- **Min= -4.6cm Max= 5.3cm StdDev= 1.7cm**



SQM2026 Computation

Preliminary Quasi-Geoid model SQM2026



Gravity data

Digital Terrain Model

Global geopotential model

GNSS/Leveling

Preliminary Quasi Geoid model
SQM2026



Thank you for your attention

For additional information, please visit:

www.rgz.gov.rs

Email:

office@rgz.gov.rs

gs@rgz.gov.rs