Velocity field estimated from HEPOS permanent GNSS network in Greece, preliminary results.

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Introduction

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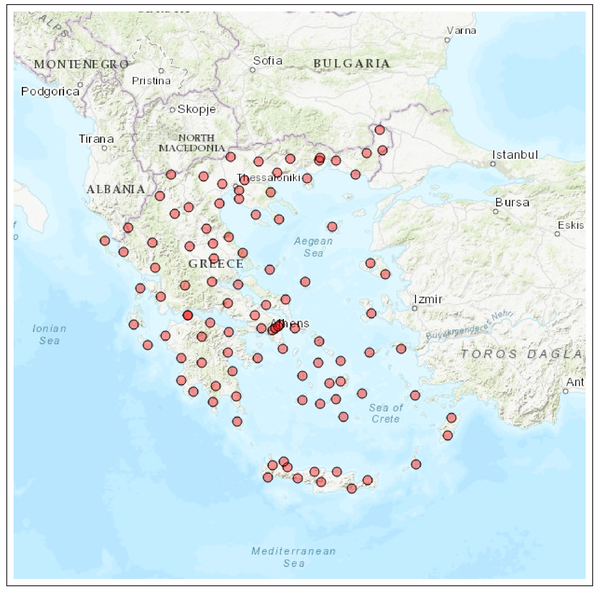
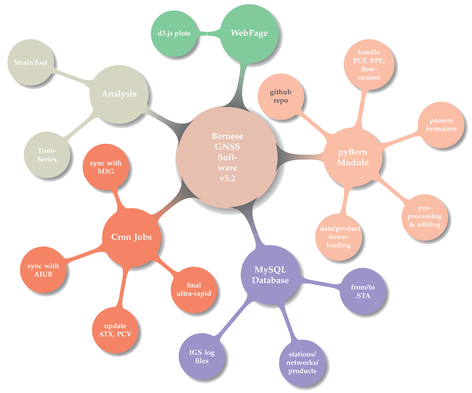
HEPOS Network



Data Analysis

The core tool/software is `Bernese GNSS Software v5.2`.
Integration with

- **MySQL** database,
- **Python** module (product/data downloading, pre-processing, driving cron jobs, etc)
- **Time-series** analysis (integrated in routine processing on regular intervals)
- **Strain Rates** via StrainTool (on user demand)



Processing is consistent with EUREF standards (Guidelines for Analysis Centres).

- `SINEX` with required info/blocks,
- Reference frame `IGb14`,
- `IERS` Conventions 2010,
- `IGS/CODE` products,
- ocean loading corrections (`FES2004`),
- 3° elevation cut-off angle; elevation dependent weighting,
- `GMF` and/or `VMF1`; `Chen-Herring` gradient parameter,
- amiguities fixed (length-dependent algorithm),
- use `GLONASS` obs (when available)
- use `ATX` files (epn_14.atx) - individual calibrations

Velocity field

Results and Discussion

References

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Future Research

test

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