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Arbeitsgemeinschaft der Vermessungsverwaltungen der Länder der Bundesrepublik Deutschland



National Report of Germany

- PPP-RTK
- GNSS campaign 2021
- News from Wettzell

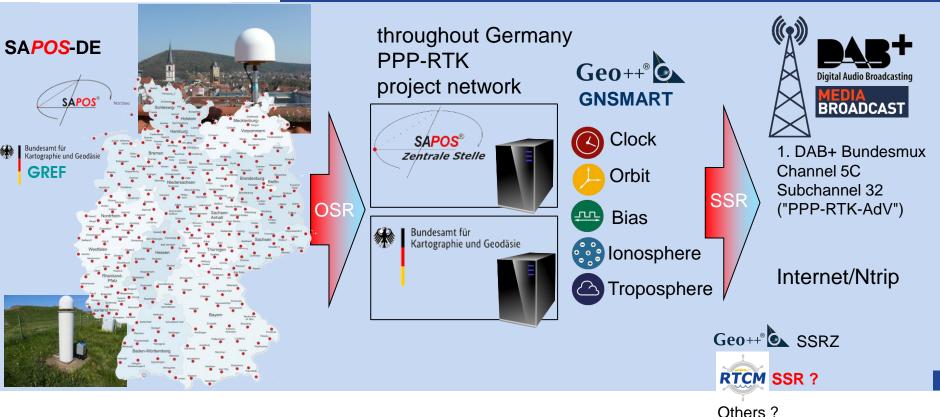
EUREF Symposium 2023

Working Committee of the Surveying Authorities of the Laender of the Federal Republic of Germany (AdV)



Arbeitsgemeinschaft der Vermessungsverwaltungen der Länder der Bundesrepublik Deutschland

Throughout Germany PPP-RTK project network AdV 2022 - 2024

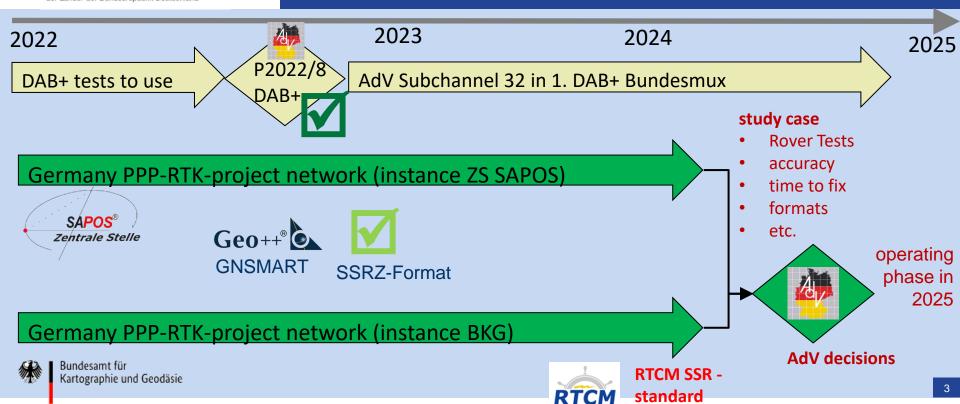




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PPP-RTK Projektphase der AdV 2022 - 2024

PPP-RTK?

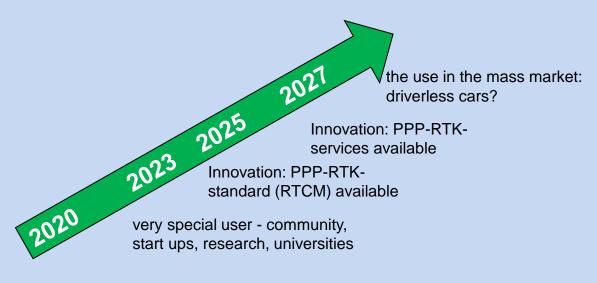




PPP-RTK – development in Germany "a perspective for the future"

Potential mass market



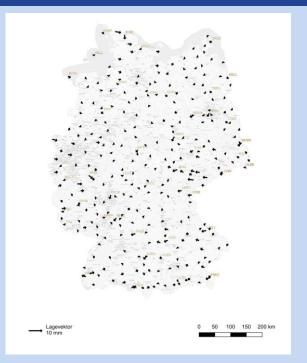




GNSS campaign 2021 comparison GNSS antenna calibration

GNSS campaign 2021

- first results are available
- comparison GNSS antenna calibration
- do we get a new spatial reference (2023) ???
- more scientific research to be done!



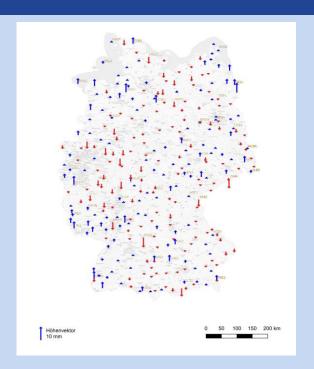


Abb. 1+2: Vergleich der beiden Netz-B-Berechnungsvarianten (Restklaffungen nach der zwangsfreien Auffelderung der Variante AMK auf die Variante RFK, LGLN-Auswertung)





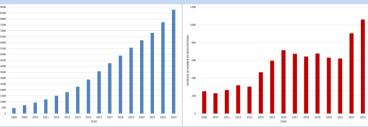
der Länder der Bundesrepublik Deutschland

GNSS @ BKG



- BKG's regional DC restored after outage
- Closer communication between the three EPN DCs
- Number of registrations for RT casters still increasing
- BKG only RT AC using DLR's RETICLE
- BKG new (old) IGS RTWG chair and possibly new RTACC
- New GNSS station under investigation near Leipzig co-located to new gravimetric station







Geodetic Observatory Wettzell



- **○VLBI: Official IVS scheduling center (since 2020) and correlation center (since 2021)**
- oGalileo PRS: monitoring station is currently established
- Space weather monitoring: 5 m radio telescope in test operation, magnetometer station operational
- **Laser ranging: Observation of space debris is planned to become operational**
- o Time & Frequency: Core station in the DFG research group "Clock Metrology a novel approach to time in geodesy"
- oCompetence center for satellite geodesy: organisation of workshops, support of student projects, school lab established

