



Arbeitsgemeinschaft der Vermessungsverwaltungen
der Länder der Bundesrepublik Deutschland

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National Report of Germany

- PPP-RTK
- GNSS campaign 2021
- GOW

EUREF Symposium 2022

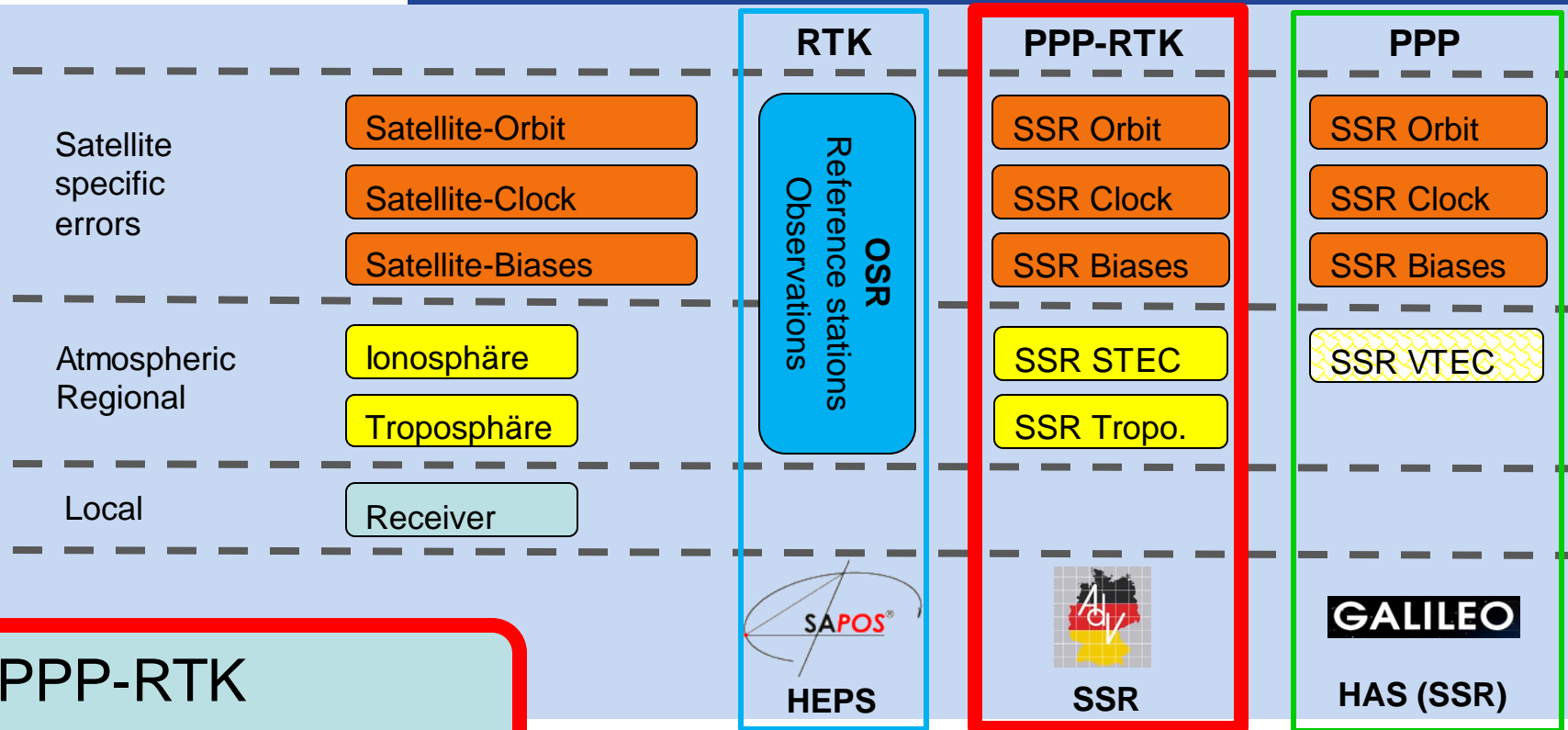
Working Committee of the Surveying Authorities of the
Laender of the Federal Republic of Germany (AdV)

AMTLICHES DEUTSCHES VERMESSUNGSWESEN



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PPP-RTK – development in Germany

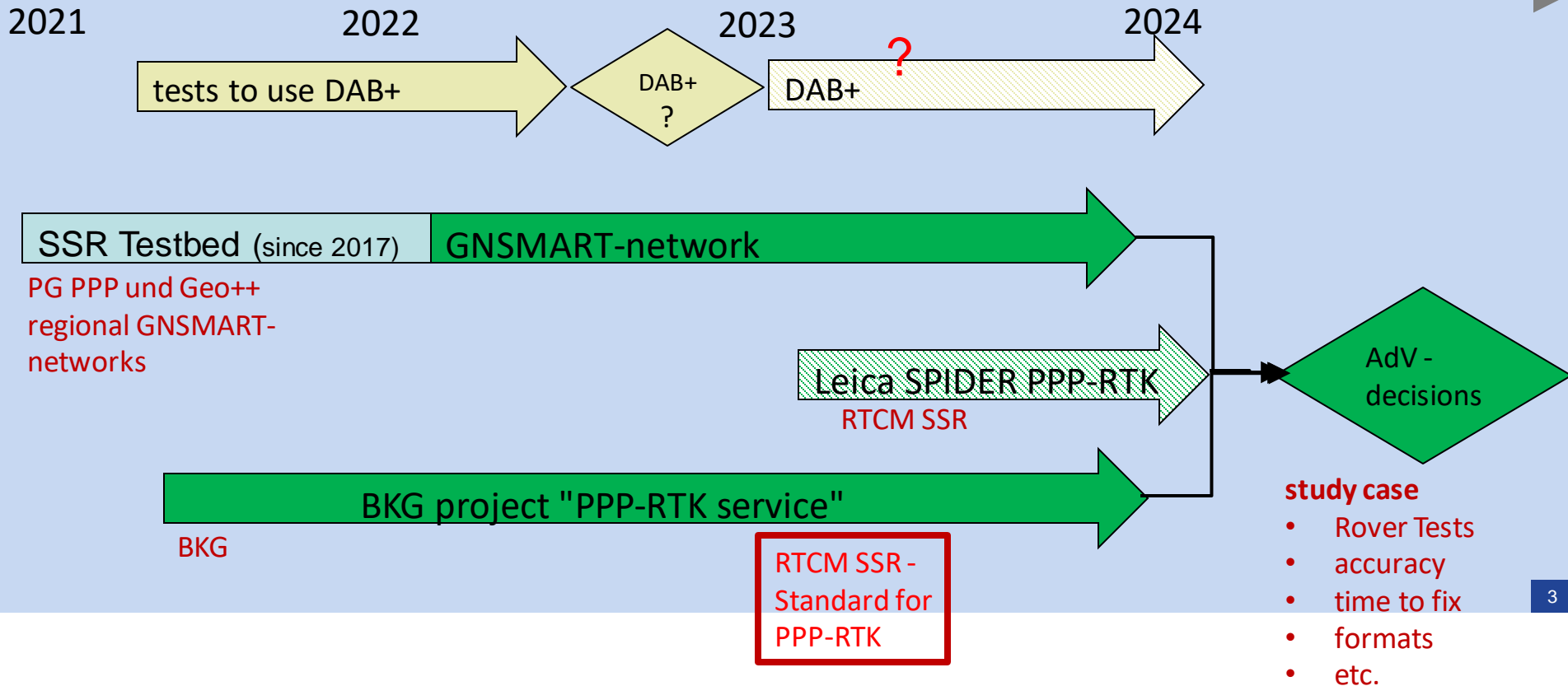


PPP-RTK
expected 2023+



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PPP-RTK – development in Germany several case studies

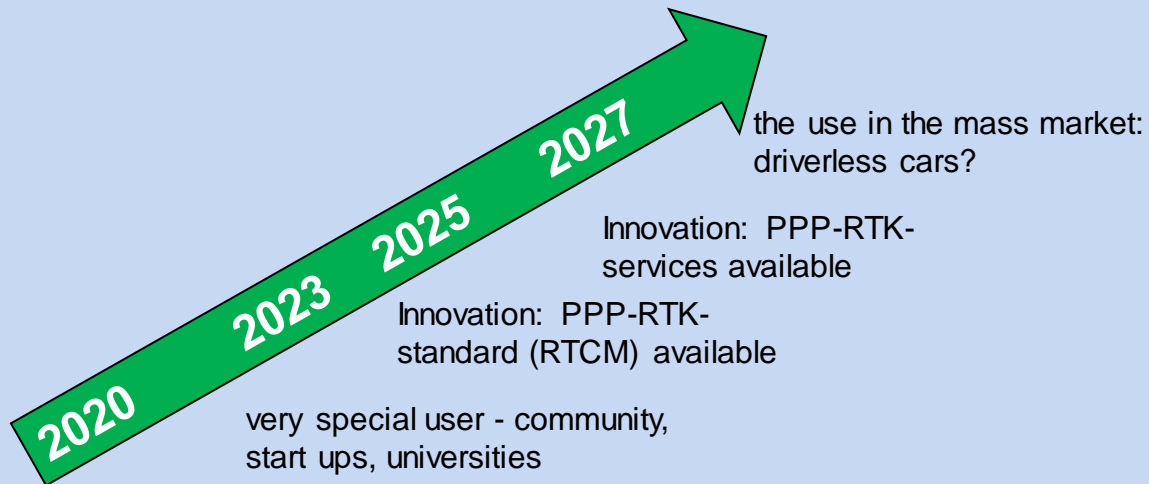
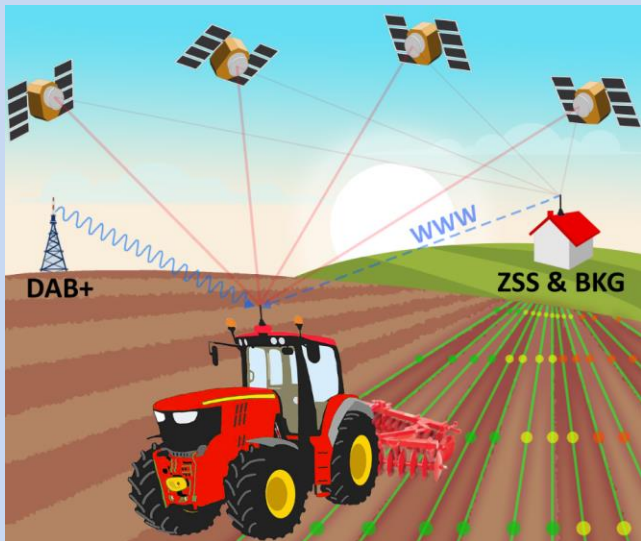




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PPP-RTK – development in Germany „a perspective for the future“

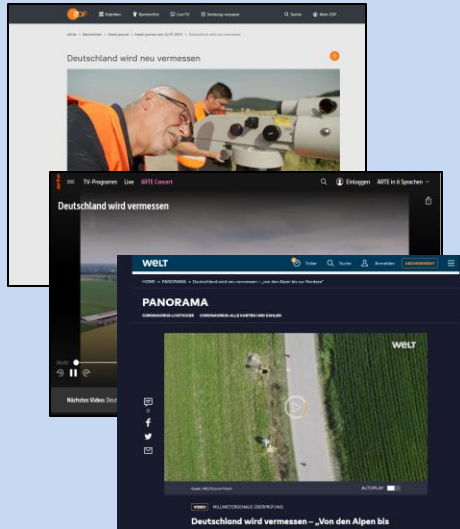
Potential for mass-market applications



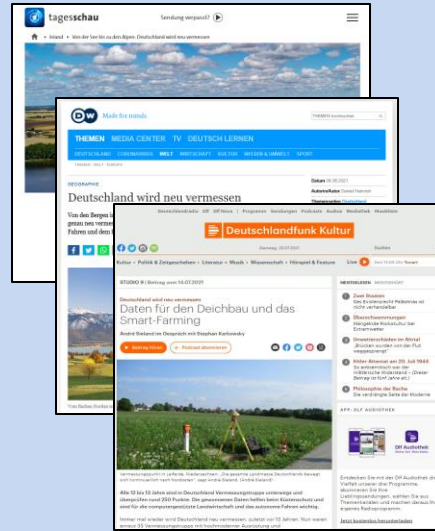


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„Deutschland ein Stück genauer machen“ very positive view in the media



television



online-media



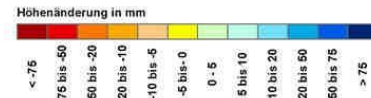
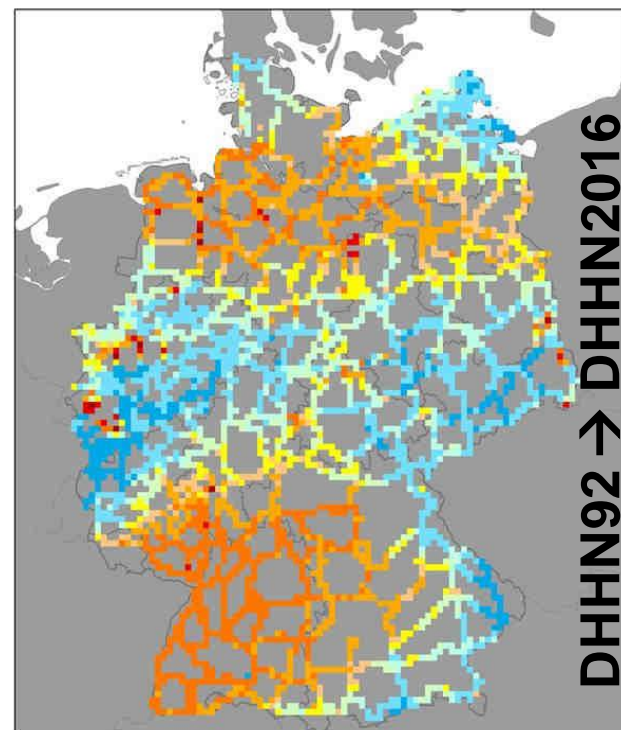
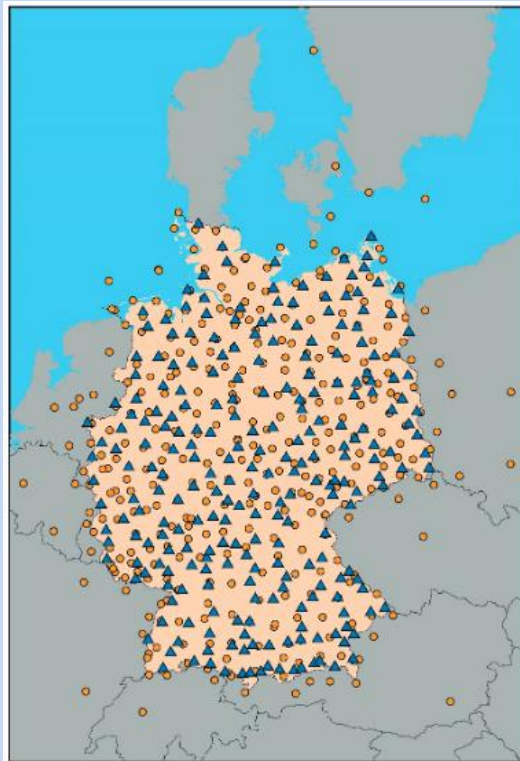
newspapers



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GNSS campaign 2021

- 6 weeks, 35 teams, 250 stations (GGP) occupied
- one antenna type – robot and chamber calibrations
- Two processing facilities (BKG, LGLN)
- first results are available
- more scientific research to be done!
- do we get a new spatial reference (2023) ???





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Geodetic Observatory Wettzell 1972 - 2022



- VLBI correlator: Official IVS correlation facility since beginning of 2022
- 5 m radio telescope for space weather observations: mechanical components are installed, normal operation will start end of 2022
- Dual use of solar flux telescope is foreseen: Sun observations during daytime, Galileo monitoring during nighttime
- campus-wide optical time distribution system with picosecond accuracy based on delay-compensated fibers established
- operation of a humidity and temperature profiling radiometer (HATPRO)

