



## National Report ESTONIA

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### **ESTPOS**

- 29 ELB operated stations
- 10 stations from neighbouring countries
- 1 station from Maritime Administration
- GPS+GLONASS+GALILEO
- 14 meteosensors





Compiled by J. Metsar, Maa-amet



#### **Remeasurement of national geodetic network**

- Summer/fall of 2020 •
- Static GNSS, 6h sessions •
- 3 campaigns ullet





#### Geodetic data and local networks

- Information of about 35 000 geodetic marks is available in Estonian geodetic point database, incl points from national (45%) and local (55%) networks
- *de jure*, local authorities are obliged to take decisions on geodetic infrastructure

now ELB is willing to guide them to take actions de facto as well

- appropriate technical guidelines have been prepared by the Land Board to support LA
- however, decisions on the need for geodetic marks are made by LA, they also cover the costs related to the given works





Μαα-αμετ 3

#### Metrology of geodetic instruments



- Calibration measurements of Total Stations performed in July 2020
- Update of meteosensors (Vaisala) in 2020
- Update of software is in progress
- The status of legal metrology of the Land Board is in the process of work





#### MAA-AMET 3 Maintenance of geodetic marks

- Inspection of geodetic marks
- Maintenance works of geodetic network points (I and II order National Geodetic Network)
- QR codes to identify geodetic mark, direct link to geodetic point database
- Maintenance works finished by the end of 2020













#### **Estonian-Latvian cooperation**

- Interreg V-A Estonian-Latvian programme
- Project "Harmonization of Estonian and Latvian geodetic systems in border areas" (GeoRefAct)
- Project period 2 years
- Activities:
  - Measurements and computations of national GNSS and levelling networks in border area, local network of twincity Valga/Valka and gravity survey in Northern Latvia
  - Results: coordinate and height transformation models incl web-based services







# Thank you!