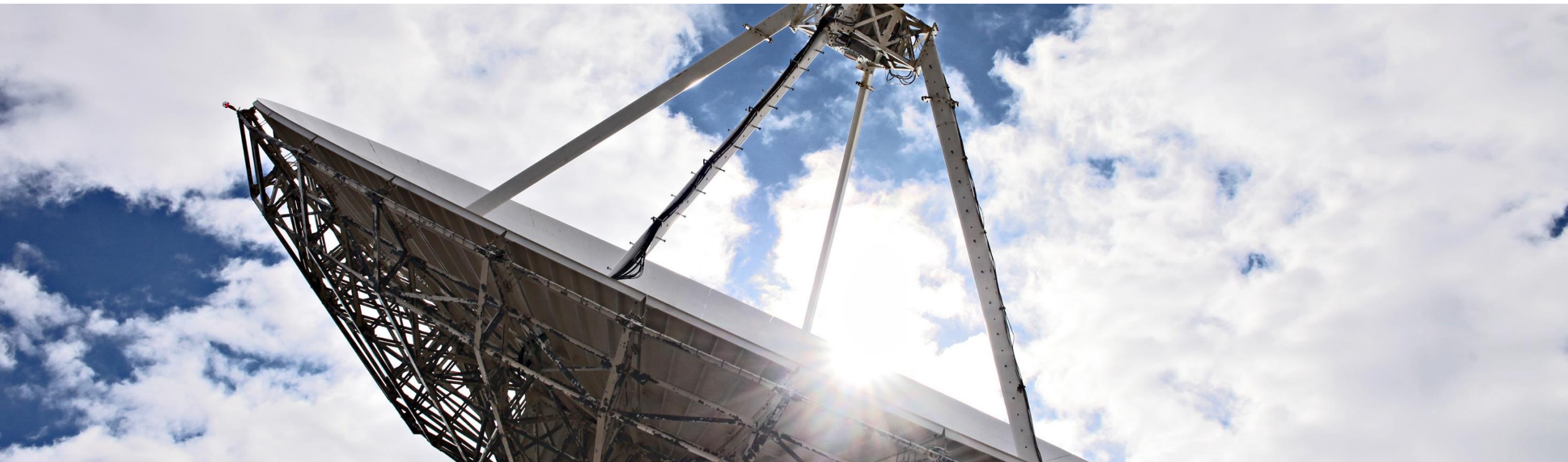




Kartverket

# VGOS correlation

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# Present situation (Europe)

- Soon there will be a rather large number of European VGOS stations (e.g. 2 in Sweden, 2 in Norway, 2 in Germany, 1 in Finland, 4 in Spain/Portugal, ...) which will require corresponding correlation capacity
- Correlating VGOS 24/7 demands both high data transfer and computation capacity
- Currently the VGOS correlation capacity is insufficient to meet the demand
- According to IVS chair Axel Nothnagel, IVS has made no plan for development of VGOS correlation capacity



IVS GM 2018 group photo, taken in Ny-Ålesund, Photo: Bjørn Owe Holmberg

# Suggested decisions

1. Highlight VGOS correlation as a prioritized activity on the Subcommittee on geodesy's 3 yr work plan
2. Establish a VGOS correlation centre working group within the subcommittee and invite relevant group members outside of the subcommittee (IAG/GGOS/IVS/universities/?)
3. Request the VGOS working group to create a long term step wise plan for the establishment of VGOS correlation centres with the aim to correlate VGOS data from VGOS antennas in 24/7 operation. The plan must address both regional and global needs and be made in close cooperation with IAG/GGOS/IVS/
4. Raise VGOS correlation as an agenda item in the UN-GGIM regional committee meetings