



Natural Science Institute of Iceland

Náttúrufræðistofnun (NATT)



Natural Science Institute of Iceland (NSII)

1st of July this summer a merging of Institutes took place:

Náttúrurannsóknarstöðin við Mývatn – Mývatn Research Station

Náttúrufræðistofnun Íslands – Icelandic Institute of Natural History

Landmælingar Íslands – National Land Survey of Iceland

The main tasks according to law no. 56/2024

“Nature Research Institute of Iceland conducts fundamental research on the nature of Iceland, compiles geospatial information about Iceland, and operates a Nature Research Station at Mývatn, in accordance with the laws on the protection of Mývatn and Laxá in Suður-Pingeyjarsýsla.”



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Scope of Operations:

- Biodiversity and Ecology
- Geology and Geodiversity
- Environmental Monitoring
- Geodetic services and Spatial data
- Public Education and Data Dissemination
- Consultation and reviews



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Successful Aerial Images Tender in 2024

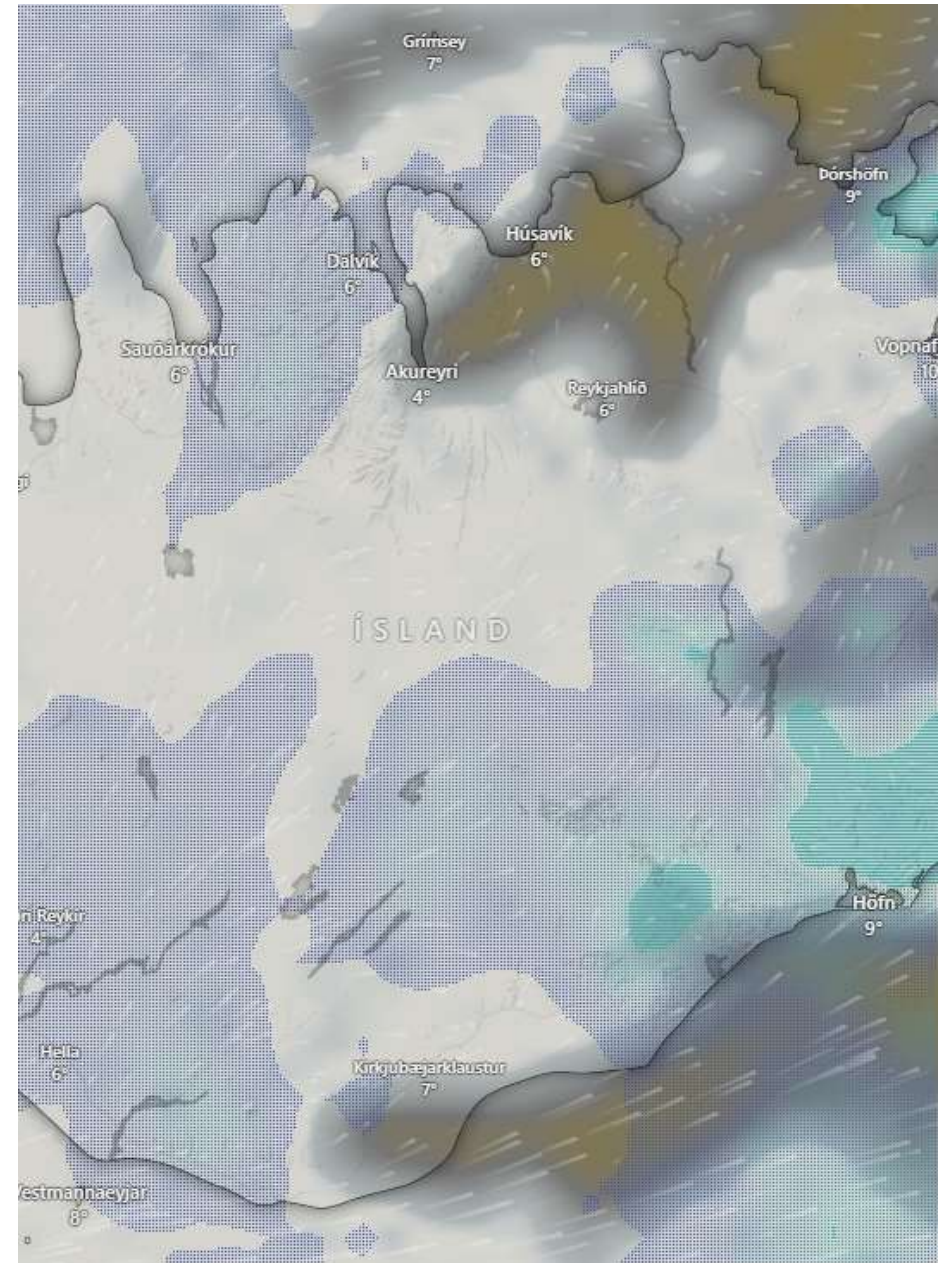
Contracts signed with Meixner and Hexagon for acquisition
2024-2026

Flights in September

2730 km²

Vestmannaeyjar/Surtsey,
Mýrdalssandur,
Melrakkaslétta og
Látrabjarg

Total Project Cost: €2M



Budget 2025

New Director General:

Eydís Líndal Finnbogadóttir

Budget 2025: €9.3M

State Contribution: €8.5M

Other Income: €0.8M

Geodesy budget 2025: €0.3M

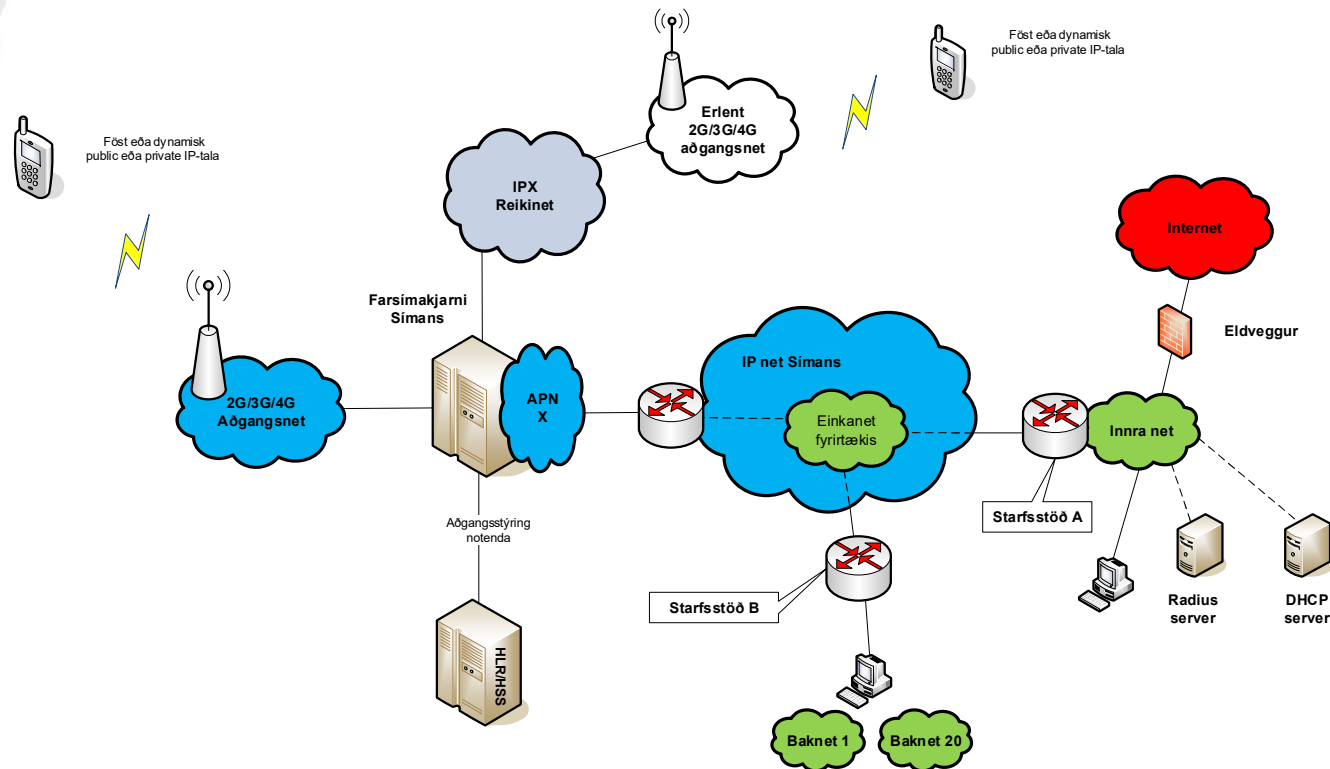
Staff: 78



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IceCORS

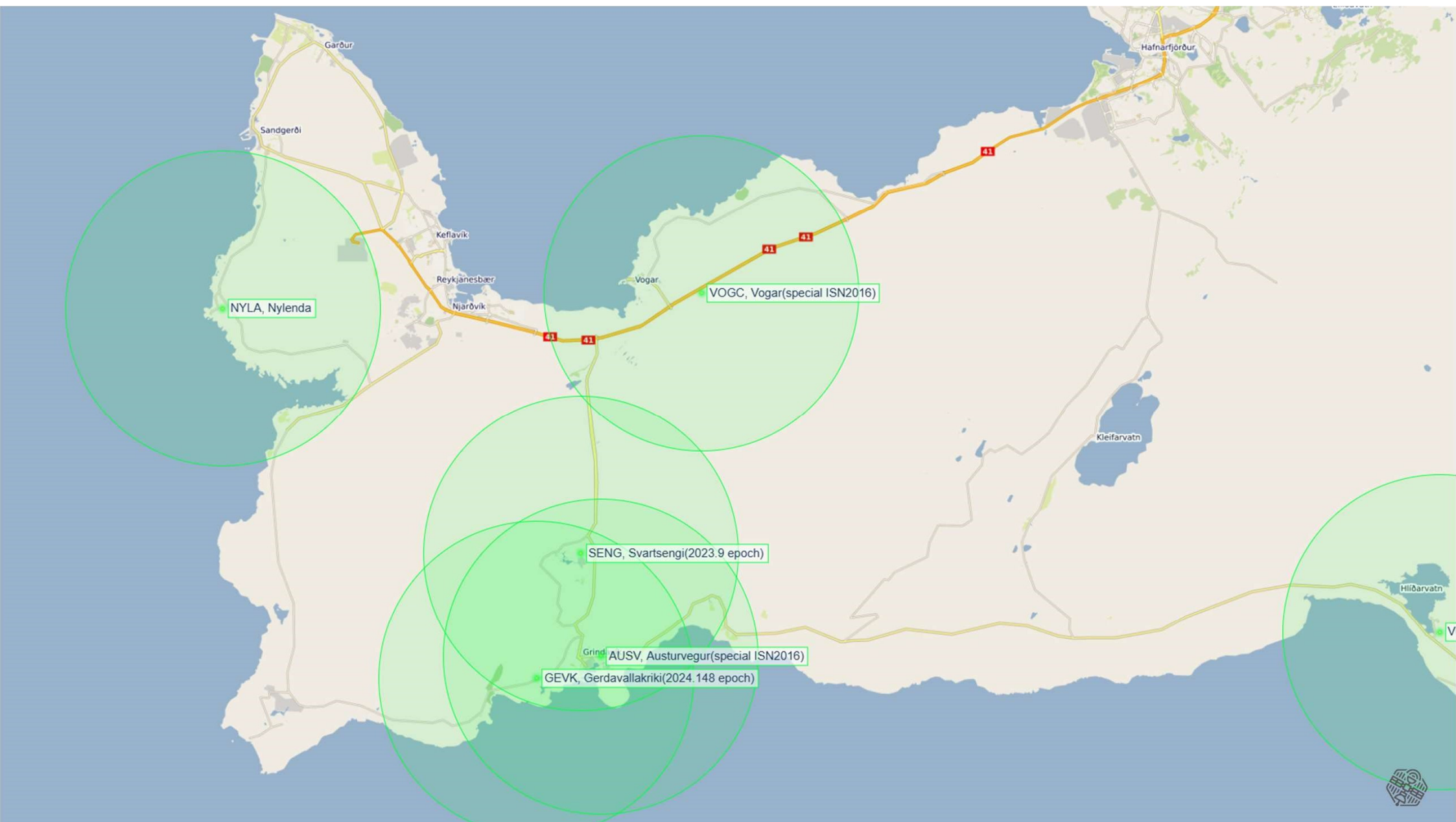
- In December 2024: two of our stations were hacked
 - Before: Data usage 280 MB @ day
 - After: Data usage 7 GB @ day
- Temporary solution
 - Factory reset the routers
 - Change username and passwords
- APN Service !?

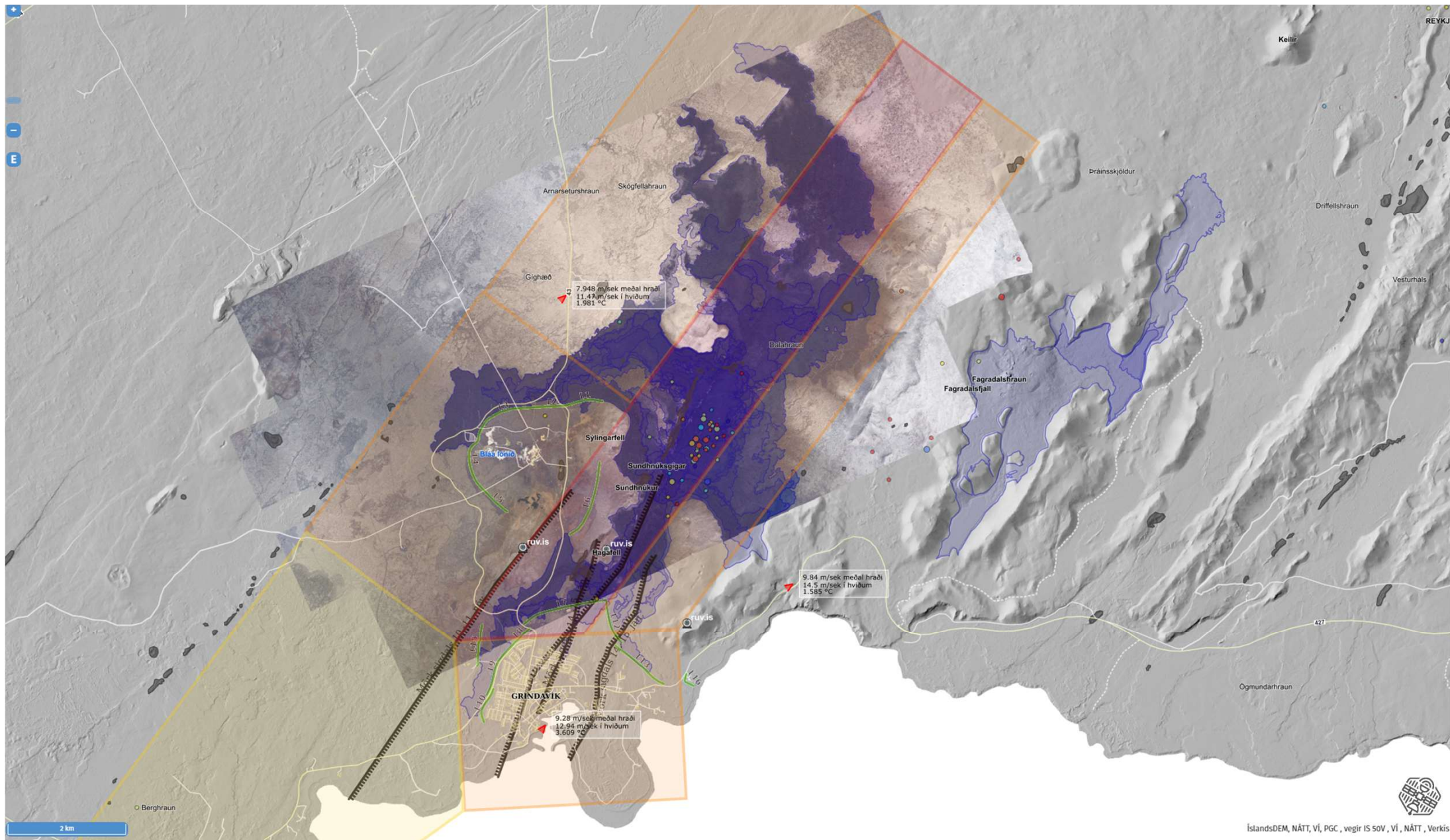


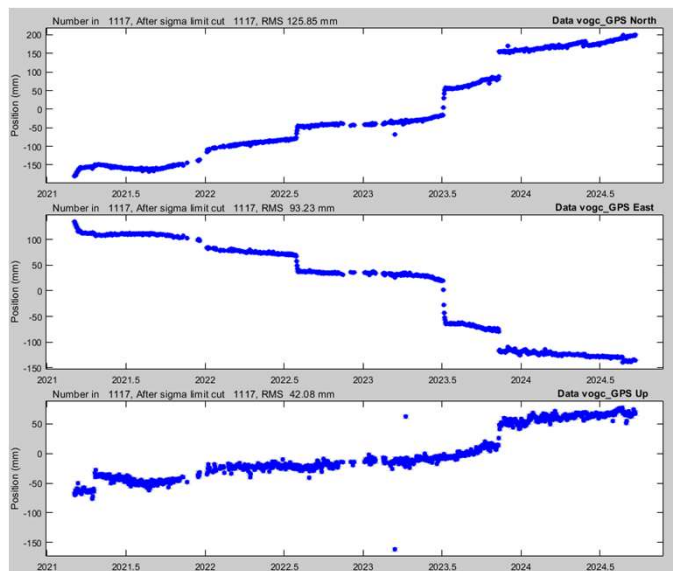
IceCORS

Natural hazards on the Reykjanes Peninsula

- Three organizations monitor the area
 - Natural Science Institute of Iceland
 - Icelandic Met Office
 - University of Iceland
- GNSS Single Base RTK Stations
 - VOGC, Vogar
 - SENG, Svartsengi
 - AUSV, Austurvegur
 - GEVK, Gerðavallakriki

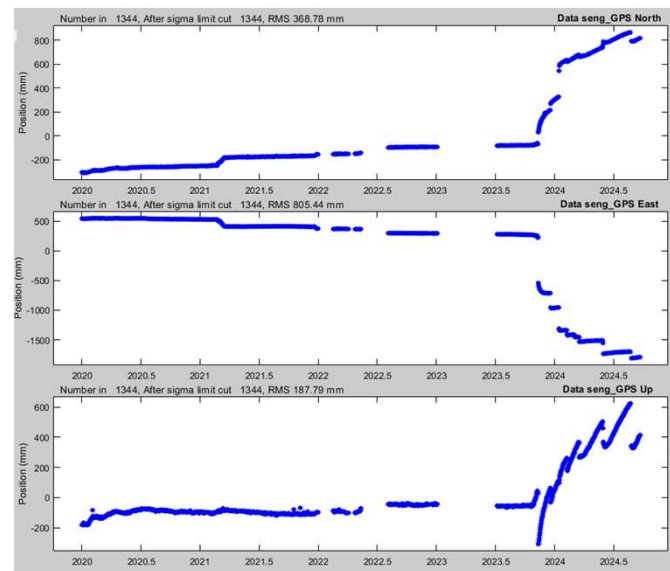




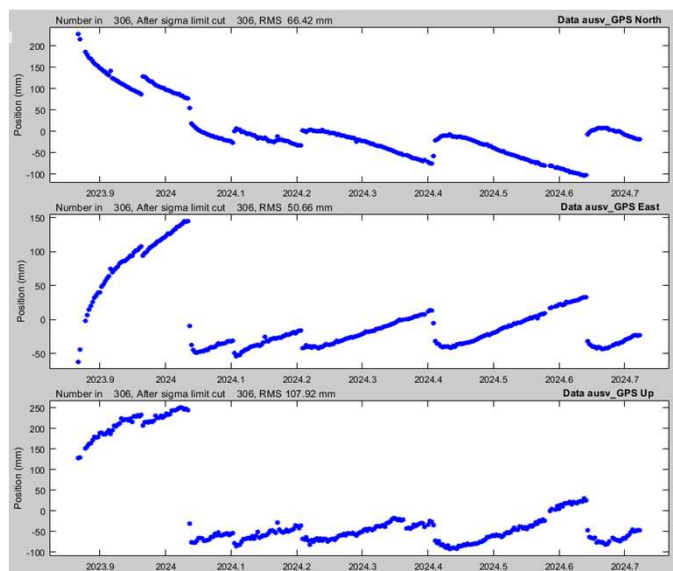


VOGC

SENG

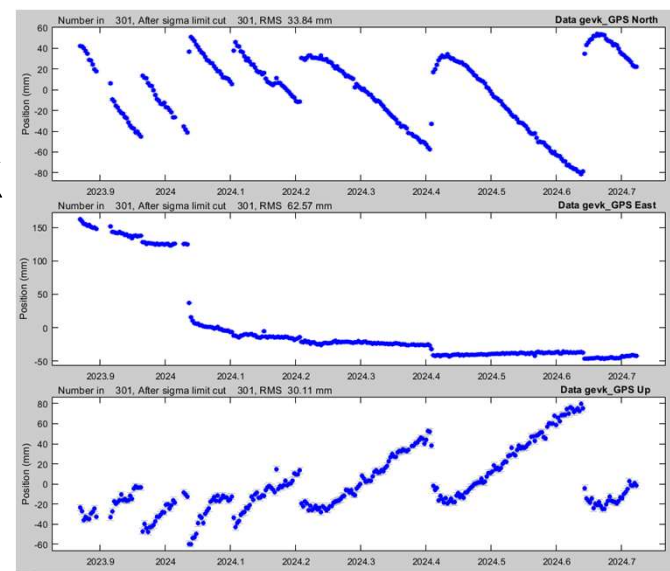


Time series



AUSV

GEVK



Reykjanes Peninsula unrest

Eruptions: Occur every 8–12 weeks

Same-Day Imaging: Provided by NSII for rapid assessment

Deformation: Horizontal shifts up to 3.5 meters

Vertical Deformation: Up to 1 meter



Thank you

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