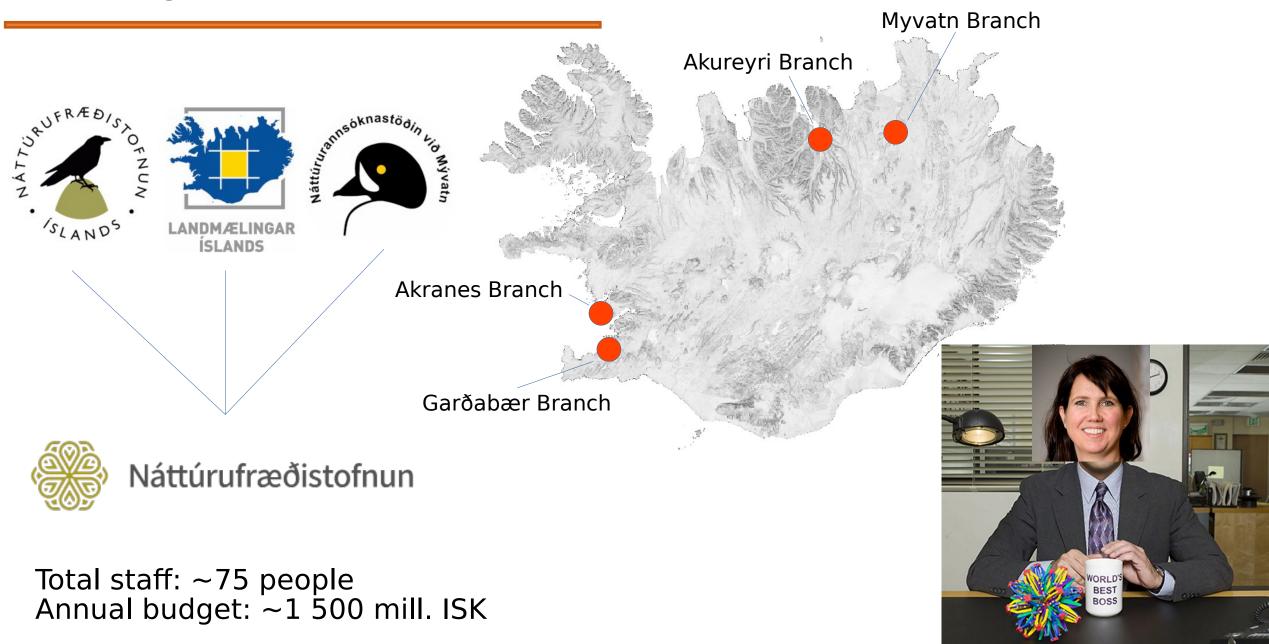
National Report: Iceland







Merge of Institutes

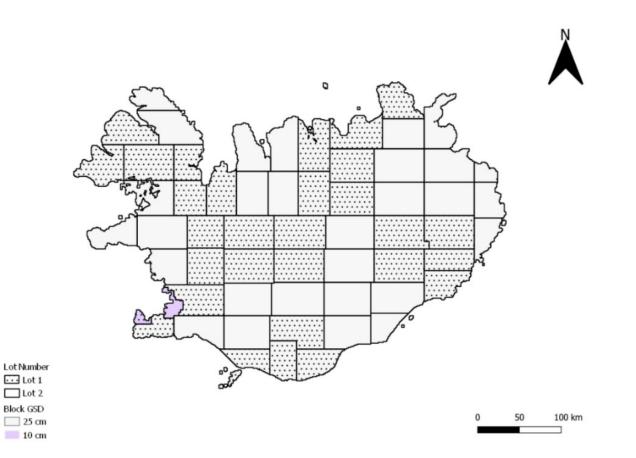


Tender of aerial photography



Tender of aerial photography

- -Legal battles were resolved in February 2024
- -First country-wide, openly available aerial surveys since year 2000







Aerial photography collection: Year 1 (summer 2024)

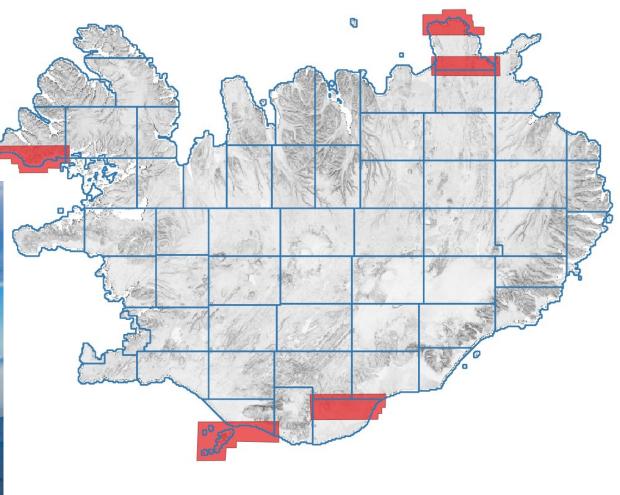
-Worst weather in Iceland since the late 80s

-Hexagon malfunction of airplane. Meixner arrived late, also had malfunction of airplane

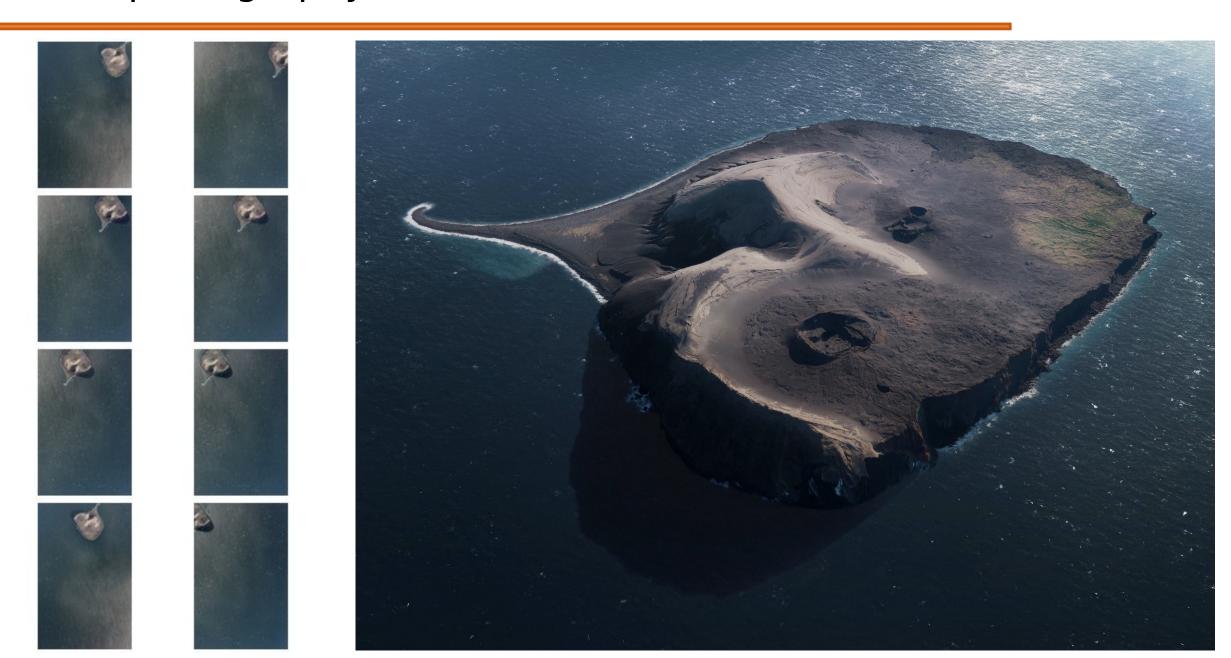
Total: 2500 km², 1600 photographs, 6 Tb of data







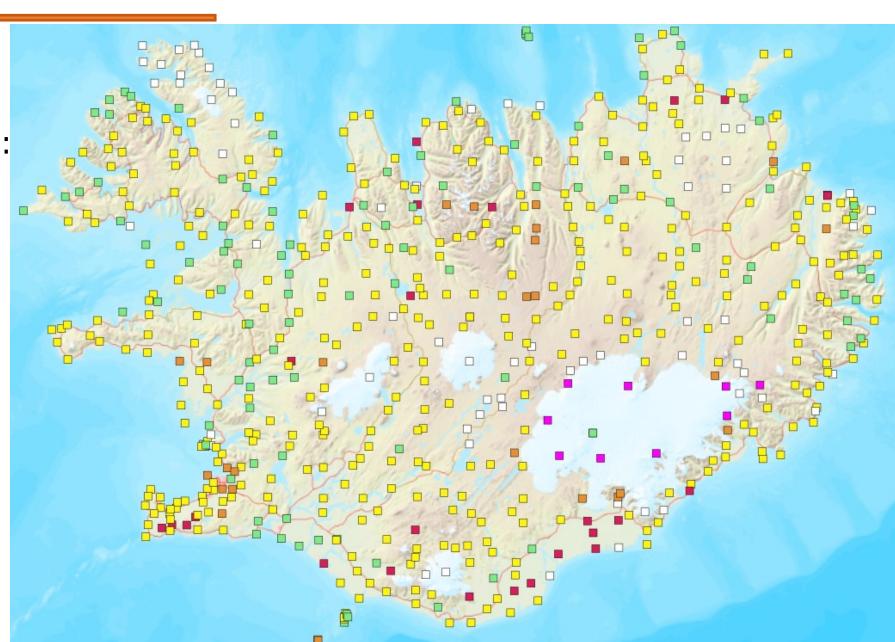
Aerial photography collection: Year 1 (summer 2024)



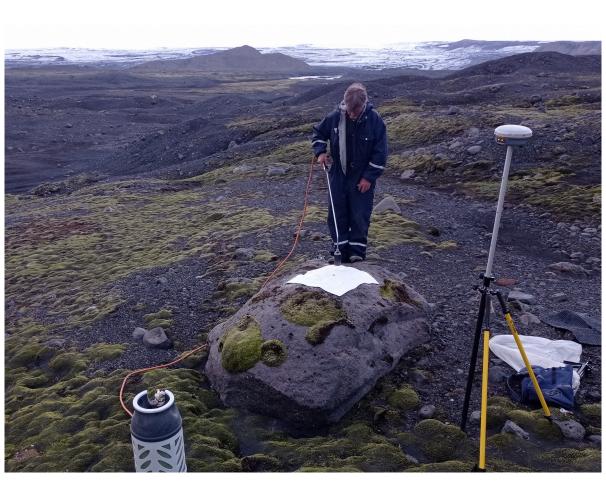
Ground Control Points

Total >600 GCPs placed:

- ~80% "burned"
- ~10% rubber mats
- ~5% painted
- ~5% metal ones



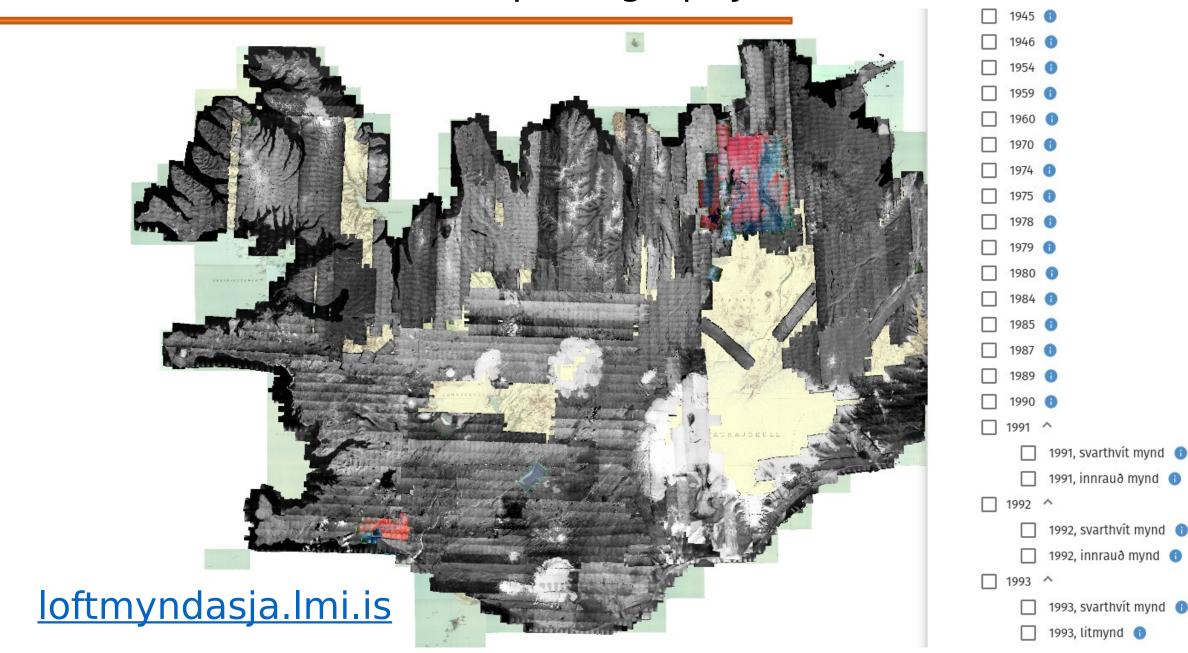
Ground Control Points: Fieldwork summer 2024



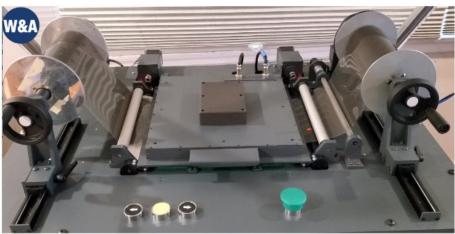




Archive of historical aerial photography



Scanning of historical aerial photographs: completed!



~60 000 images scanned this year (including ~5 000 cut films)

25 Tb of data

Two crates sent to US and back

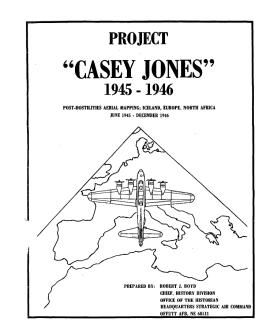


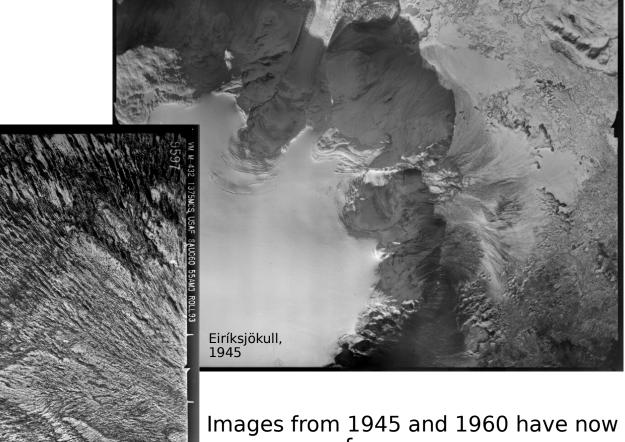




Flightlines American Surveys 1956-1961

Dingjujökull, 1960

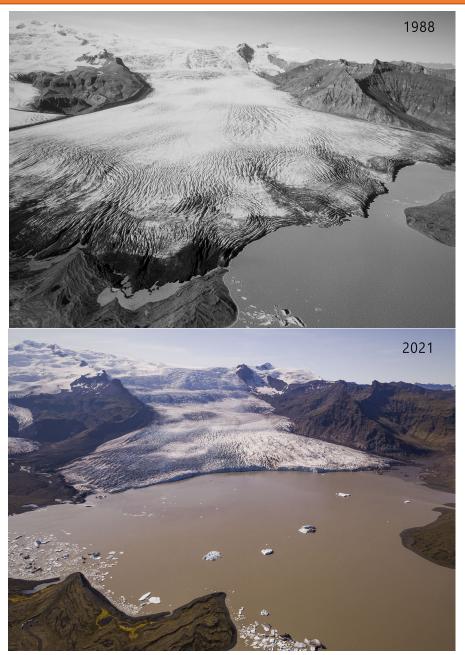


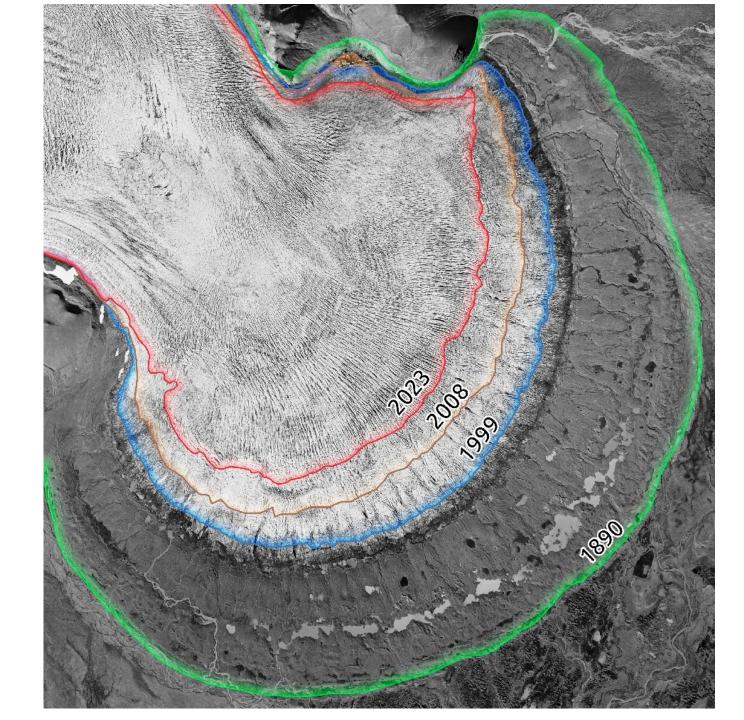


Images from 1945 and 1960 have now coarse georeference

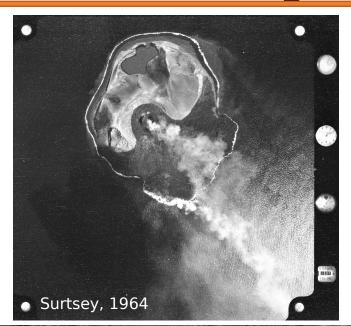
Also available for download

Glacier changes



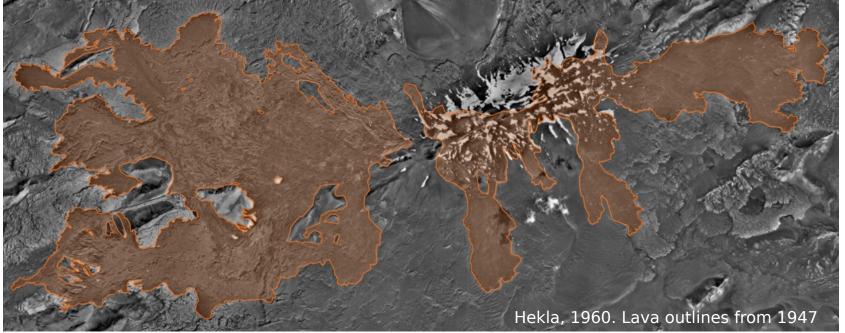


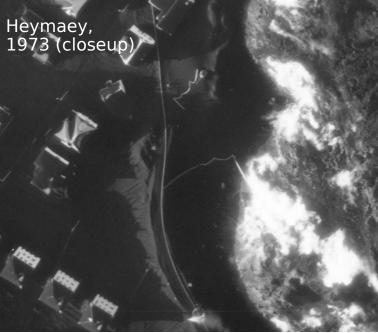
Volcanic changes



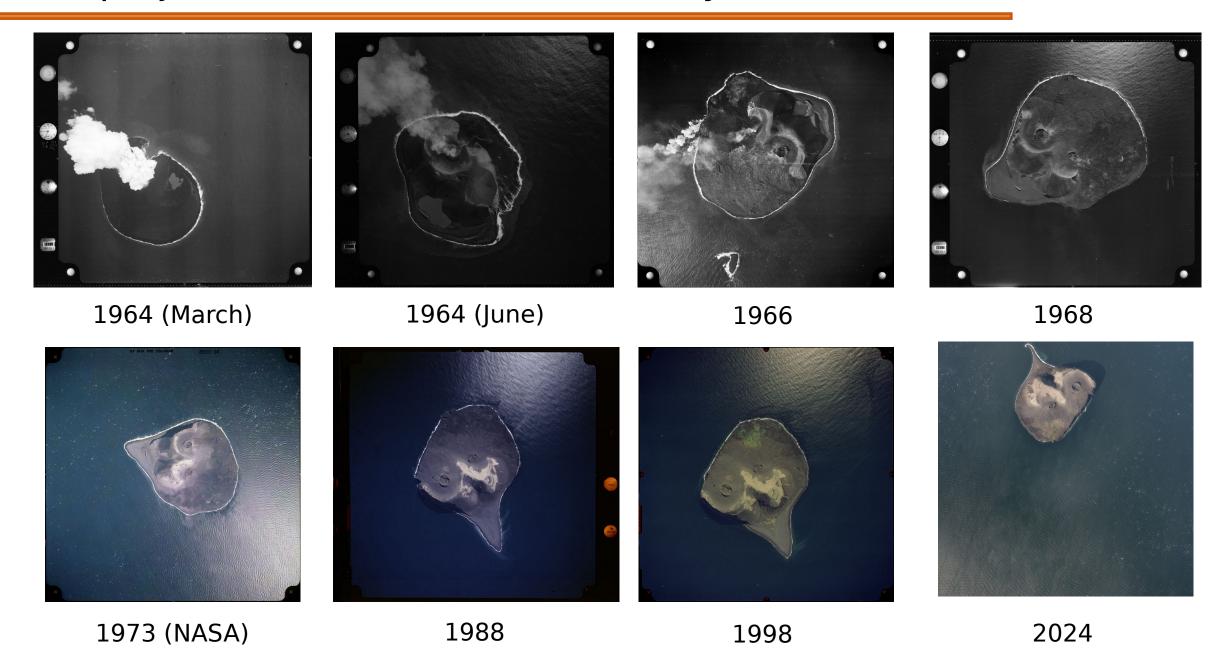








Pilot project in 3D visualization (led by Kieran Baxter)



Pléiades Stereoimages

5 volcanic zones mapped yearly since 2018 (2500 km²/yr)

Eruption emergency tasking (2 times/yr, 10 consecutive days each time)









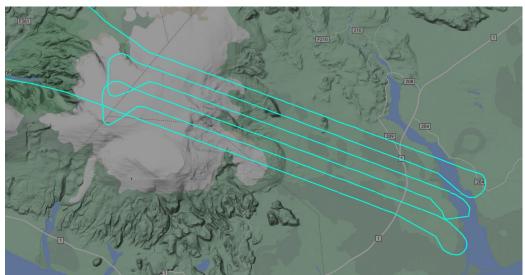








Skálm jökuhlaup



Extra surveys done in S-Iceland as part of the response of a jökuhlaup (glacier flood outburst) that destroyed a bridge in summer





Snow measurements

Total: 8 flying hr 572 km²

