



Making Ice Penetrating Radar More Accessible:

A tool for finding, downloading and visualizing georeferenced radargrams within the QGIS ecosystem

Funded by NSF-CSSI (Cyberinfrastructure for Sustained Scientific Innovation), Award #2209726

Objective: Make it easy to use radar data!

- Enable discovery of where available radargrams exist
(includes where data has been collected and which transects are publicly available)
- Visualizer for radargrams, including interpreted surface and basal horizons
- Straightforward geolocation of features in radar data

Timeline

- 2022 Fall: Data ingestion / indexing
- 2023 Winter/Spring: Plugin Development
- 2023 Summer: Release to beta testers
- 2024 SCAR Open Science Conference:
Public release
- 2025 June: End of project

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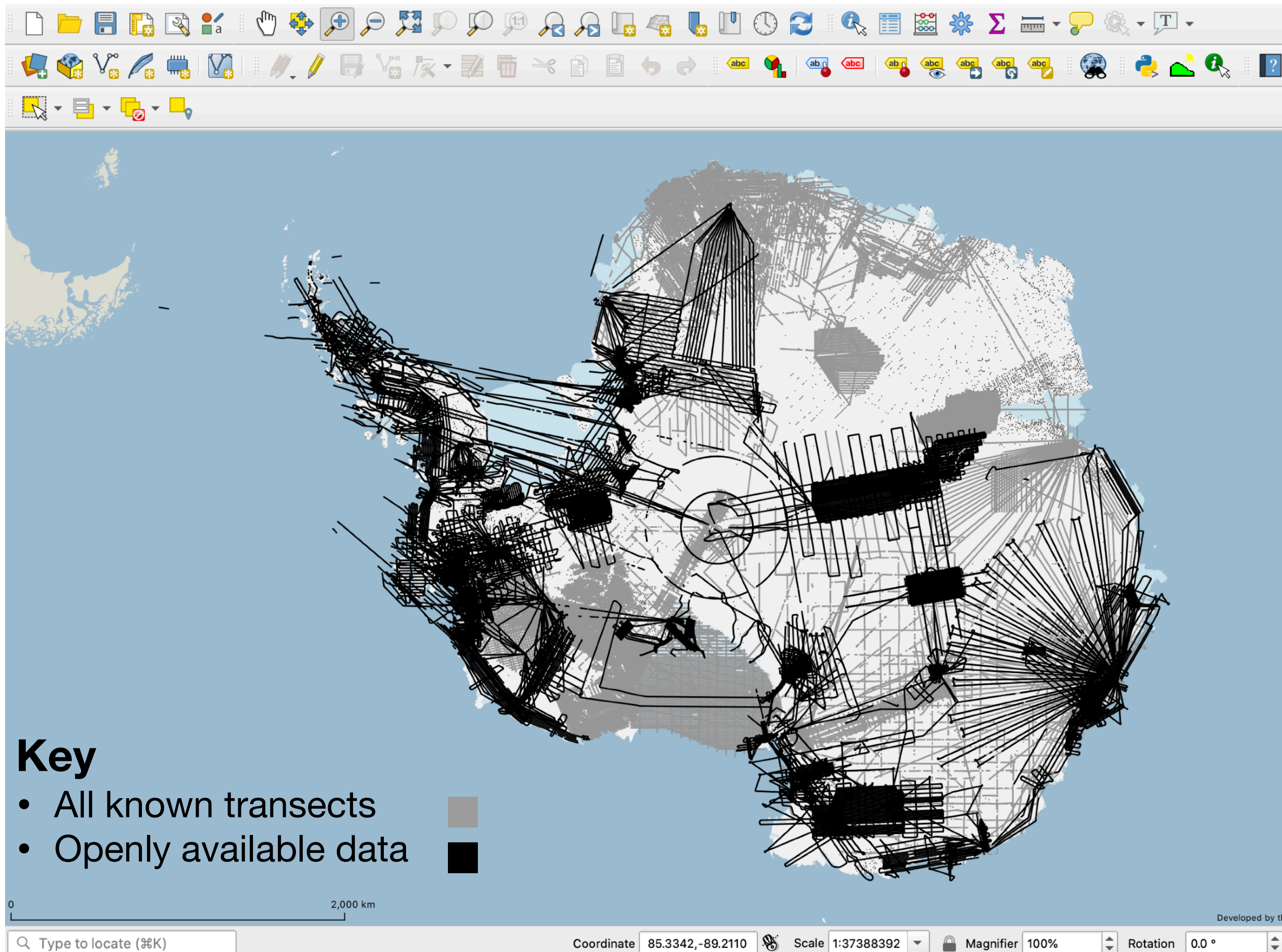
Advisory Committee:

- 13 members (across 12 institutions)
- Includes both end-users and representatives from QGreenland, Quantarctica, and OpenPolarRadar

Planned QGIS Index Layer

Will be hosted at NSF data center

Includes metadata for all known radar transects



Planned QGIS Plugins

1. Data download

Click transect, automated download from datacenter (e.g. NSIDC, BAS) when available

contact lindzey@uw.edu to have your data included!

2. Radargram visualizer

Click transect, radargram visualizer pops up with cursor linking map coordinates and radar trace

