

# Customer Story

Empowering staff to work independently on GIS tasks in remote circumstances

## The Organisation

The Greenland Ministry of Mineral Resources (MMR) is responsible for strategy, policy, legal issues and marketing for mineral resources in Greenland. The ministry deals with geological issues through the Department of Geology.

The Environment Agency for Mineral Resources Activities (EAMRA) is the administrative authority for environmental matters around mineral resources activities, including protection of the environment, environmental liability and impact assessments.



## At a Glance

### What they wanted to do

- » Empower staff to complete GIS tasks independently
- » Foster a level of team expertise so staff could help each other learn and retain skills





## What they did

- » Trained their department in tasks that allow them to process applications for mining and exploration licences.
- » Controlled costs by getting custom training delivered in Nuuk, Greenland rather than flying the team elsewhere.

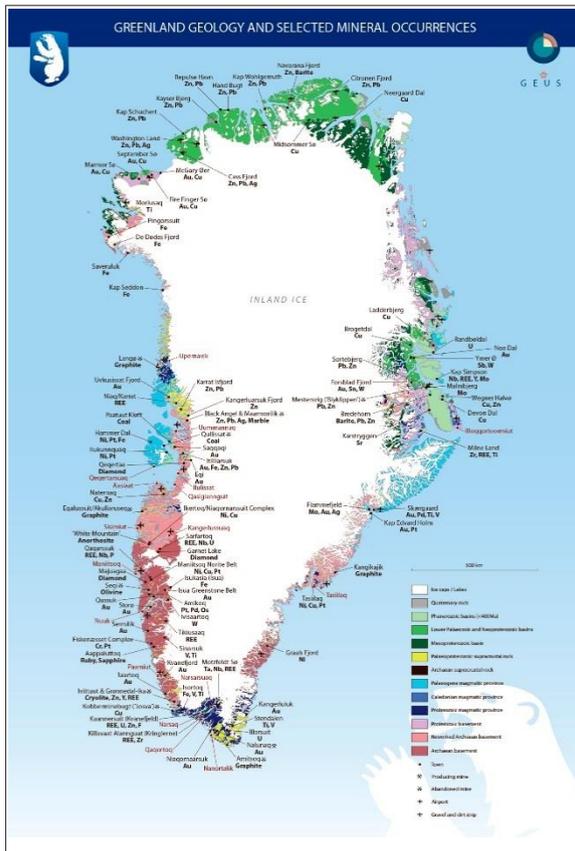
## Project Background

The staff at the Ministry of Mineral Resources perform tasks requiring spatial data manipulation, including creating and querying maps for exploration and mining licences.

Tasks include querying, manipulating, and generating geological maps (image and vector data), geophysical data, point data including geochemistry, geochronology, observation and sample information.

*“There was a very positive response from all participants both to the level, the trainer, and the notes and training data provided. The attendees could clearly see how the training was applicable to their daily work.”*

**Julie Hollis**  
 Head of Geology  
 Department  
 Ministry of Mineral  
 Resources



## The Challenge

A number of staff at the ministry need basic to intermediate GIS skills for their everyday work, but there were no service providers who could deliver this training locally in Greenland.

The cost of flying their team to mainland Europe or the United States was prohibitive, so they needed a provider who could come to them in the Greenland capital, Nuuk.

## What they accomplished

- » The ministry no longer needs to send basic and intermediate level GIS tasks outside the team, speeding up delivery times.



## The Solution

NGIS Australia provided a week-long onsite training workshop for attendees on the topic of mapping, advanced data editing, geoprocessing and analysis, as well as geodatabase management using ArcGIS Desktop suites.

NGIS tailored the training content to suit the team's tasks on geoscientific and licence-related data and applications, providing the most cost effective and applicable training.

ArcGIS is the most commonly used GIS software in the exploration and mining industry worldwide, therefore it is important for the group to be able to handle, receive, archive, manipulate, and deliver files generated within ArcGIS in their daily work.

## The Results

Staff from the Mineral Licence and Safety Authority have improved their processing speed as they can now manipulate, query and generate licence maps themselves, whereas previously they needed to rely on experienced people from other departments to help.

The team's geologists also now have an enhanced understanding of the many ways ArcGIS can be used to query and manipulate geoscientific data, draw geological maps, handle different coordinate systems, generate maps for presentations and posters, and many other tasks.

Importantly the whole group now has the same level of training, which allows them to help each other to solve problems using the software.

## About NGIS Training

NGIS provide training for GIS software, techniques and knowledge transfer.

Training is delivered across Australia on a scheduled basis and worldwide for special projects in capacity building.

NGIS provide training in a number of packages, from open source to cloud to industry-leading proprietary software.



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