

Supervisor Meeting Notes

Date: 13 June 2025

Attendees:

- Bjorn Rommen
- Matthew Barrett

Discussion Topics

1. Data Engineering

- Identified which Sentinel-1 data products to download
- Defined preprocessing steps needed to extract relevant and up-to-date data
- Discussed potential use of additional data sources to enrich the dataset

2. Geophysical Process Analysis

- Explored the influence of geophysical processes in SAR data
- Considered methods for handling these effects during model training

3. Initial Model Design

- Reviewed initial ideas for neural network architecture
- Discussed suitability of proposed designs for handling SAR data characteristics

Feedback

- Project is progressing well
- Begin outlining a timeline for major project milestones
- Clarify the expected deliverables, including evaluation metrics and results

Plan for Next Meeting

- Build and test an initial version of the working model
- Finalise the dataset downloading and preprocessing pipeline