

## Random Forest Classification of Proterozoic and Paleozoic rock types of Tsagaan-uul area, Mongolia





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## Input datasets:

- 1: 50 000 geology map
- 10 different types and a total 36 rock samples
- Sentinel 2A multispectral data
- SRTM

**Purpose** ial of the random fores

To examine the potential of the random forest (RF) classification method in the Khulstai metamorphic complex and Khukh morit formation of the Tsagaan-uul area, using field rock samples as training data.



## Output datasets:

RFC model5

tree count=200

- 9 different RFC models with ntree values of 100, 150, and 200 trees
- Prediction variables:
  Sentinel bands
  SRTM
  Geological indices
  Morphometric derivatives



