

Objects

Point dataset

Operation

Raster dataset

Model

Other data

Flows

Land Cover Mapping

Mapping with local subsets

Mapping with all data

Proportional Mapping

Validation

Input data

LUCAS

S2GLC

CORINE

Eurostat
Area
Estimates

Preprocessing

Validation points

Training points

Per country

Subset per country

National validation points

National training points

Land Cover Classification

Train CatBoost models

Local CatBoost Models

General CatBoost Model

Per country and per year

Predict Land Cover Probabilities

Probabilities (local)

Probabilities (general)

Highest likelihood classification

Iterative Mapping of Probabilities

Highest Likelihood Maps

Proportional Maps

Accuracy Assessment

Validate

Comparison:
Local vs General
Models

Comparison:
model size and
map type

Comparison:
Proportional vs
Highest Likelihood
Maps