

Spotted Indigenous

Tropical Forest Satellite Image Analysis

Labeled data gathering
from coordinates

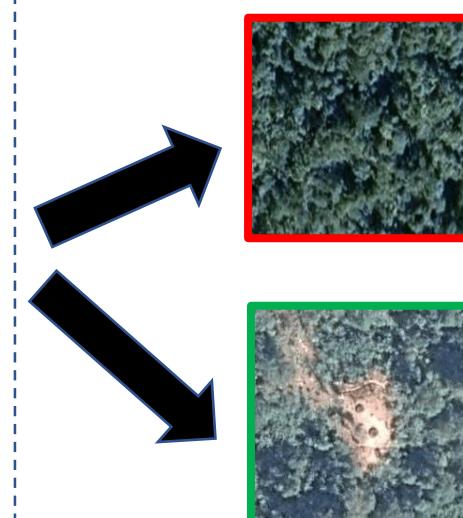


Front-End

Exploration Page

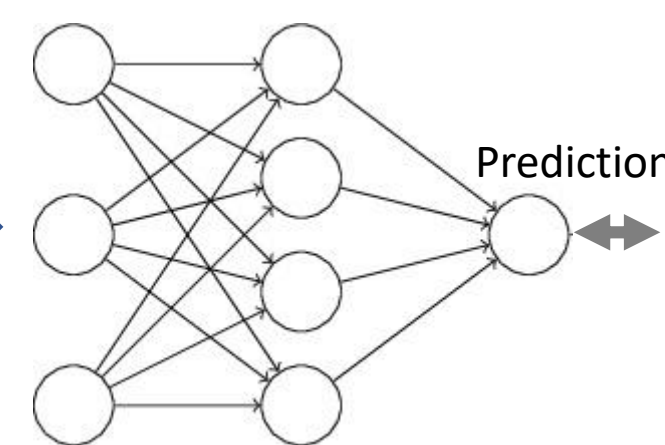


Guided exploration
and coordinates collection
of settlements



Training

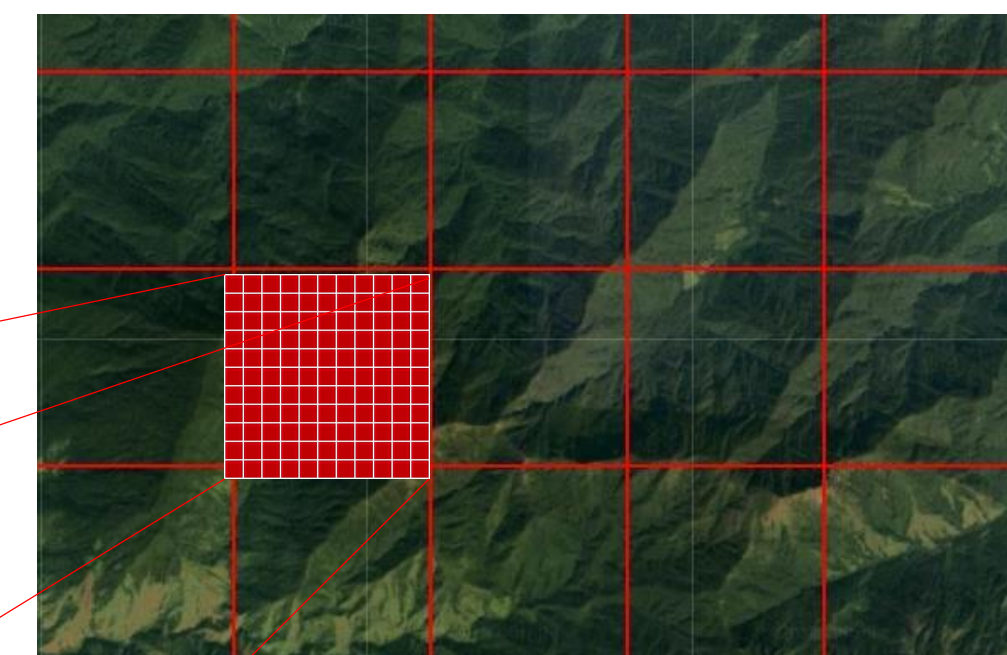
Transfer learning +
convolutional
neural network
training



Prediction

Classification
and filtering
(Machine
verification)

Model improvement

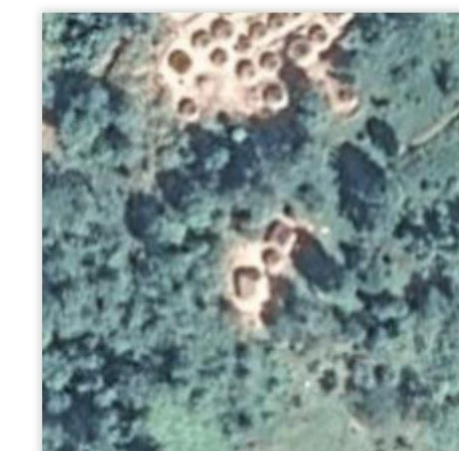


Grid data extraction for
non- explored zone



Verification Page

Automatic detection verification

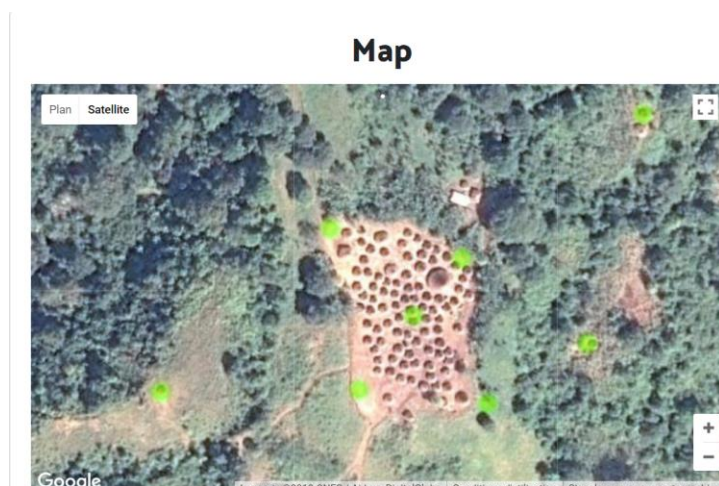


Confirm Reject Activation

Human verification on
positively labeled data with
their respective activation
heatmap

Website

Exploration Screen



Verification Screen

Automatic detection verification



Confirm Reject Activation