

> Workflow for global 3D building information mapping

1. Google Earth Engine

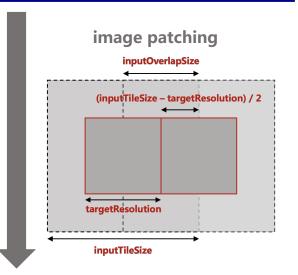
- a. Sentinel-1/2 image
- b. SRTM data



1. Google Earth Engine

a. High Resolution Settlement Layer

Note: The HRSL dataset includes the information of human population at a resolution of 30 m.



3.2 Local machine

a. saved Tensorflow models

3.1 Google Cloud Storage

a. saved Tensorflow models

model loading

2. Google Cloud Storage

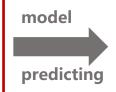
a. patched TFRecord datasets



4. Compute Engine

a. Tensorflow model instances

Note: The `Compute Engine` here can be a Google Virtual Machine, a Google Colab notebook or a local machine.



5. Compute Engine

a. Predicted building height and footprint images

