

Select a sequence of historical imagery

Source of Satellite Image Dataset

Sentinel-1

Sentinel-2

Landsat

Corrections

Radiometric  
Calibration

Standardization

Data  
Augmentation

Tile the Images

Select a benchmark CD  
dataset

Pre-Processing

Remove random  
noise

Contrast  
Stretching

Image Segmentation  
based on SAM model

Extract Segments with  
Higher Importance

Change detection Model

Post- Processing

Visualization