DATA PREPARAION

Spliting data into training, testing and validation sets & creation of buildings masks



DATA GATHERING

Collecting 50,000+ images from the geoportal (orthophotomap and buildings layers)

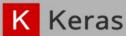




CREATE MODEL

Preparation of convolutional neural networks models (U-Net architecture) & testing with various parameters





MODEL VALIDATION

All models were validated and the best one was selected with F1 measure







DETEKTOR SAMOWOLI BUDOWLANYCH





Compressing model & setting up demo







1. Preprocessing phase

- 2. Modelling phase
- 3. Deployment phase





