

Method Description for Potsdam 2D Labeling challenge
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This entry uses an ensemble of RefineNet [1] models that were trained using 5-fold cross-validation. The ResNet50 pretrained on ImageNet was used as the base network for the RefineNet. Each model was trained for 30 epochs with 1024 samples per epoch with a batch size of 16 using the Adam optimizer with a learning rate of $1e-4$. The predictions of the five models are combined through majority voting.

Reference:

[1] G. Lin, A. Milan, C. Shen, and I. Reid, "Refinenet: Multi-path refinement networks with identity mappings for high-resolution semantic segmentation." In *CVPR*, 2017.