

# Aerial Semantic Segmentation using Deep Convolution Neural Network

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We train the ensemble(fcn8s, fcn16s and fcn32s) of the Fully Connected Neural Network[1] with encoder is NASNet-large model to learn the semantic segmentation end-to-end. . We only used 3 color channel image (RGB) for training. Each tiles is cutted to 1000 random 256 x 256 image , we use 80 percent of dataset for training and the other for validation.

## **Reference :**

[1] Jonathan Long, Evan Shelhamer, Trevor Darrell: Fully Convolutional Networks for Semantic Segmentation, CVPR 2015