

# Overview

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### Reduce complexity of the model: Deep Dilated Unet

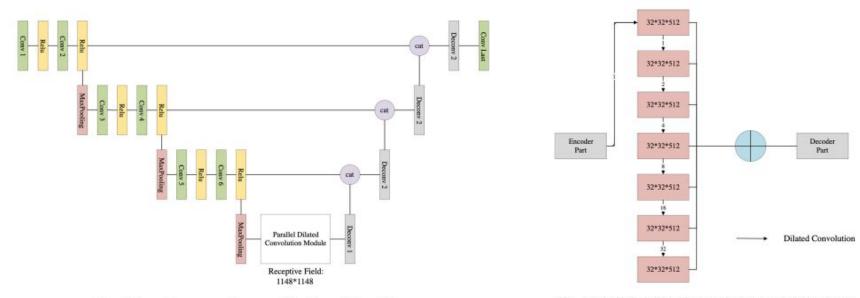


Fig. 2 Overall structure diagram of the Deep Dilated Unet

Fig. 1 Paralleled dilated convolution module structure

Shengyuan Piao and Jiaming Liu 2019 J. Phys.: Conf. Ser. 1345 052066 Accuracy Improvement of UNet Based on Dilated Convolution

# Reduce complexity of the model: Dilated Convolutions recap

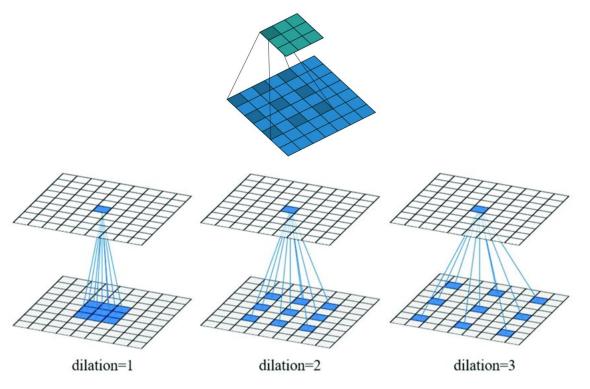
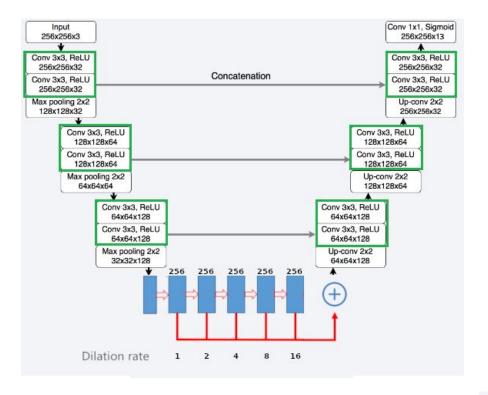
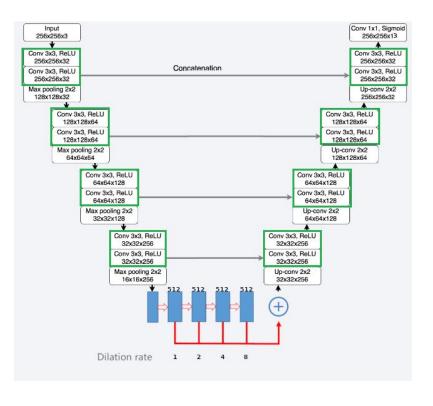


Image credit: <a href="https://www.researchgate.net/figure/An-illustration-of-the-receptive-field-for-one-dilated-convolution-with-different\_fig1\_336002670">https://www.researchgate.net/figure/An-illustration-of-the-receptive-field-for-one-dilated-convolution-with-different\_fig1\_336002670</a> <a href="mailto:lmagecredit">lmage credit</a>: <a href="https://medium.com/@anandkummari113/efficient-residual-factorized-neural-network-for-semantic-segmentation-c128210323ba</a>

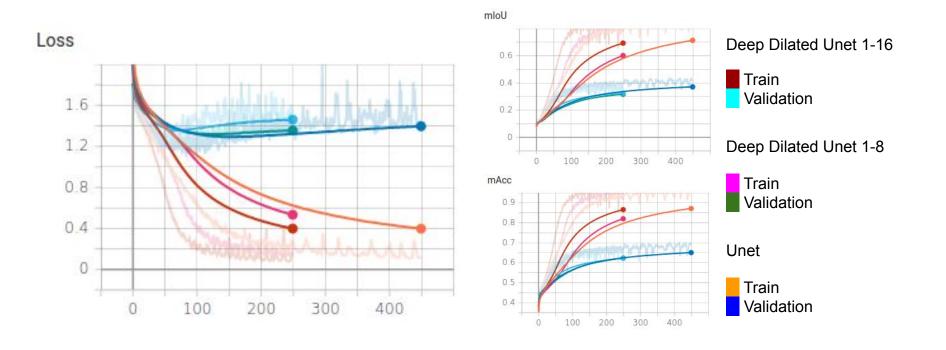
### Reduce complexity of the model: Deep Delated Unet. Dilation 1-16



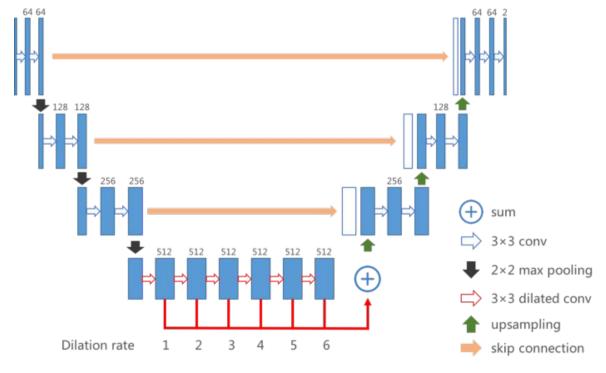
### Reduce complexity of the model: Deep Delated Unet. Dilation 1-8



## Reduce complexity of the model: Deep Delated Unet. Dilated 1-8-16

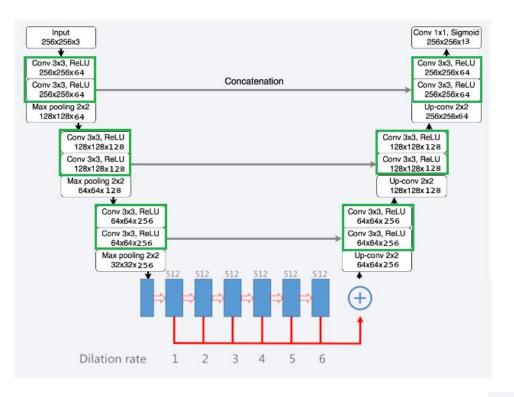


#### Reduce complexity of the model: Deep Dilated Unet



Source: Smart Audit: Using AI in International Trade

### Reduce complexity of the model: Deep Delated Unet. Dilation 1..6



### Reduce complexity of the model: Deep Delated Unet. Dilation 1..6

