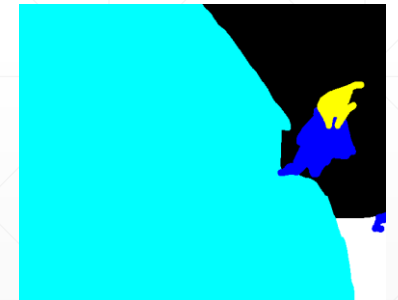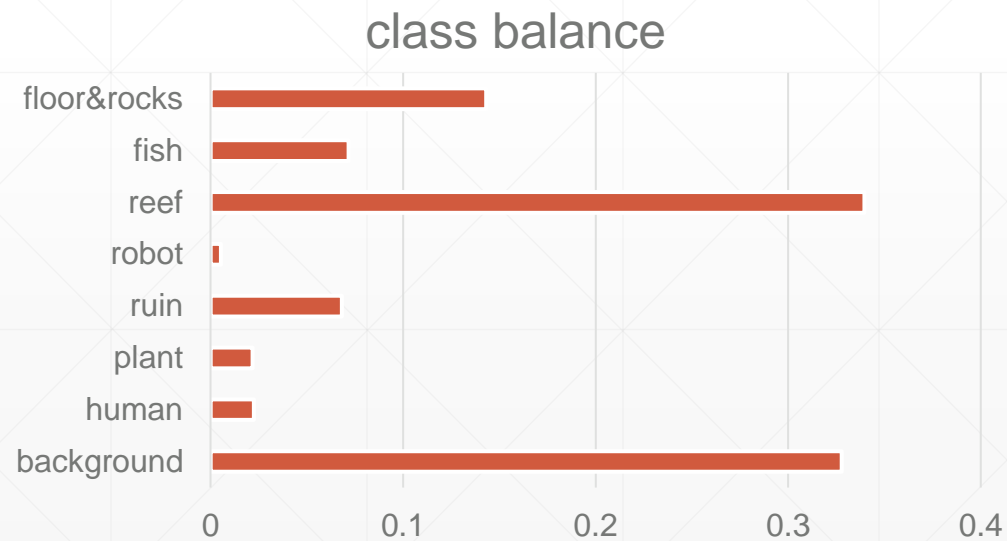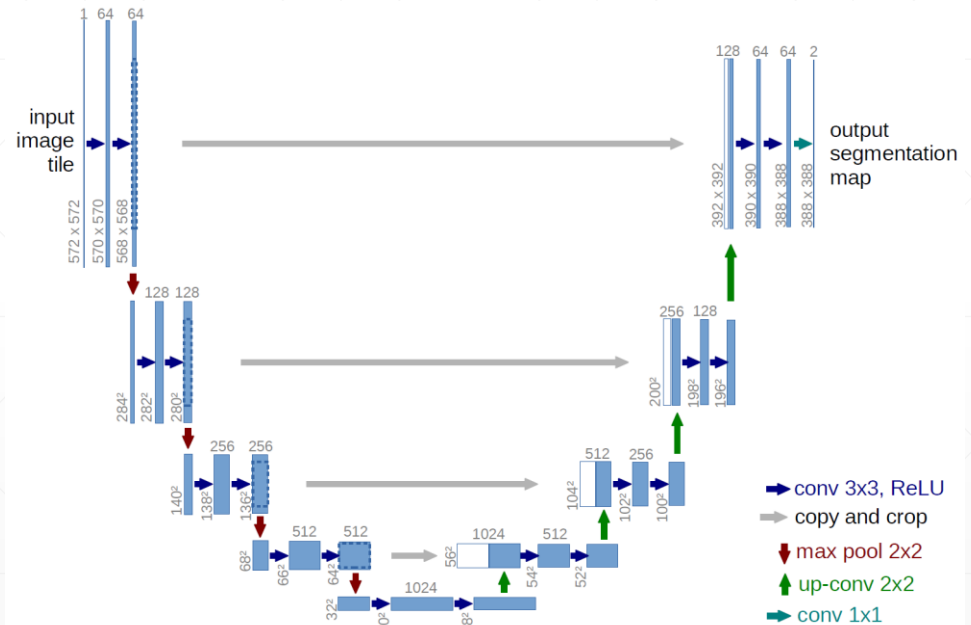# Zadanie 4

Jan Balucha

PROBLEM

- Segmentation of underwater images

- 8 class

- Unbalanced dataset

class balance

MODEL U-NET

- Change of depth for encoder/decoder

  - Reduced max-pool/up-conv layers from 4 to 3

- Activation function change

  - Changed relu for gelu activation in each block

- Dropout layers

  - Added dropout layers after double convolution

TRANSFORMATIONS

- Centercrop

- Random rotation

- Gaussian blur

- White balance correction

- CLAHE equalization

ORIGINAL CLAHE WHITE BALANCE