# Prezentacja – Przetwarzanie Obrazów i Widzenie komputerowe

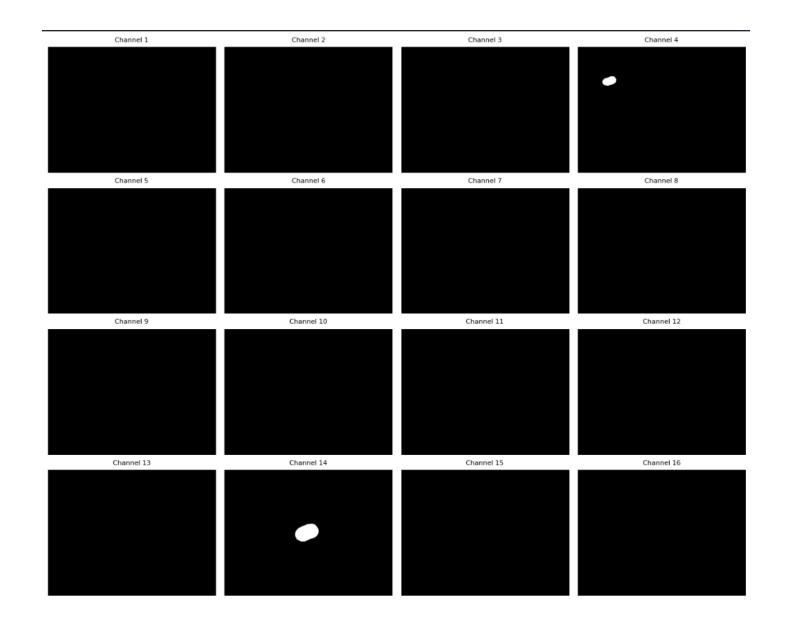
Mikołaj Czachorowski

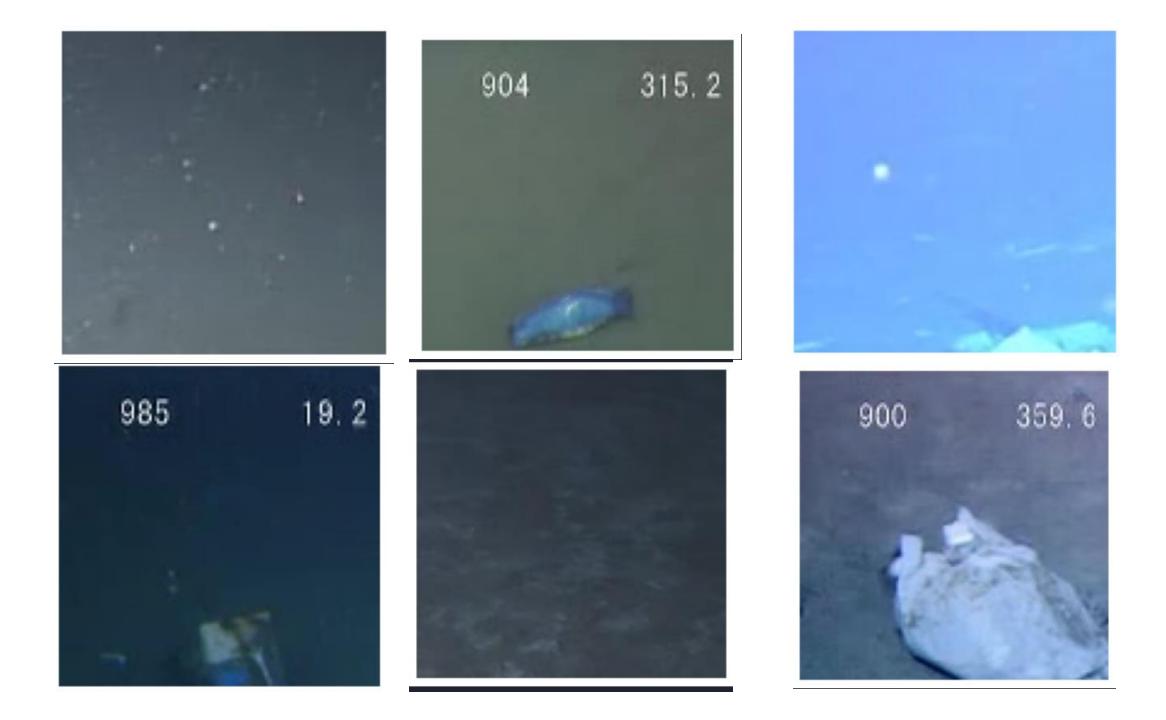
# Problem Segmentacji śmieci oraz zwierząt ze zdjęć podwodnych









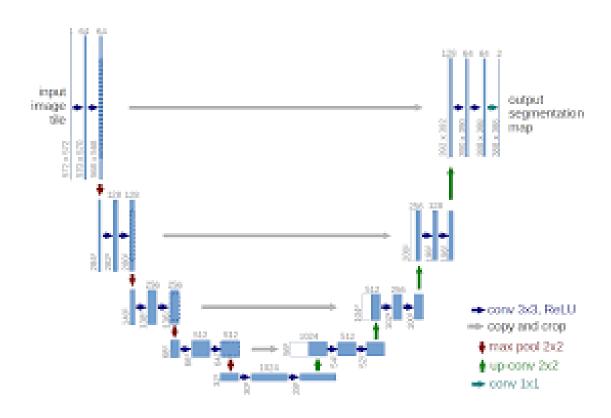


#### ResUNet

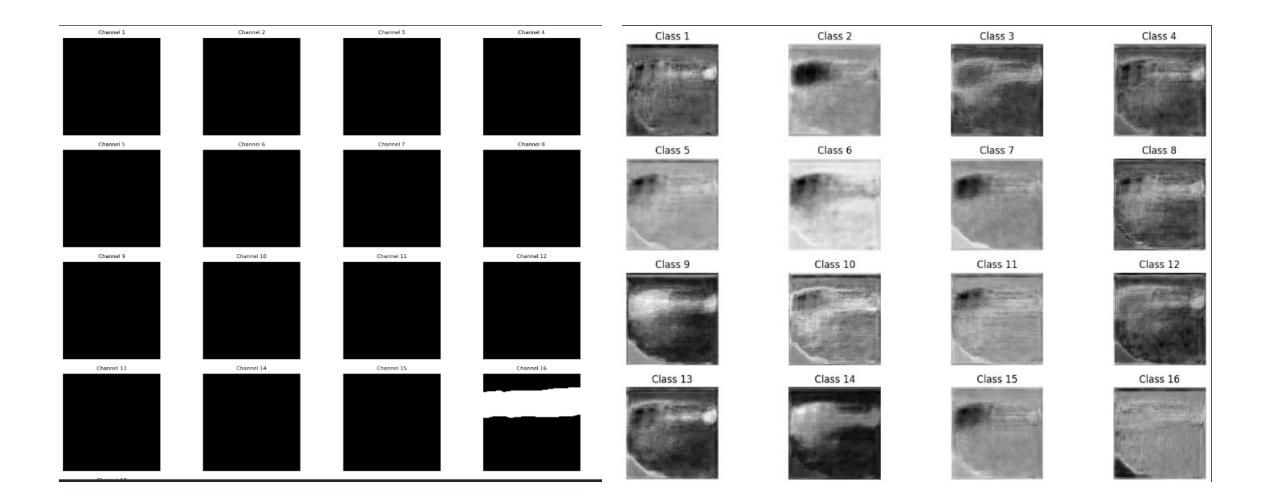
 Alom, M. Z., Yakopcic, C., Hasan, M., Taha, T. M., & Asari, V. K. (2019). Recurrent residual U-Net for medical image segmentation. *Journal of medical imaging*, 6(1), 014006-014006.

- DiceLoss
- Zhao, R., Qian, B., Zhang, X., Li, Y., Wei, R., Liu, Y., & Pan, Y. (2020, November). Rethinking dice loss for medical image segmentation. In 2020 IEEE International Conference on Data Mining (ICDM) (pp. 851-860). IEEE.
- AdamW
- Llugsi, R., El Yacoubi, S., Fontaine, A., & Lupera, P. (2021, October). Comparison between Adam, AdaMax and Adam W optimizers to implement a Weather Forecast based on Neural Networks for the Andean city of Quito. In 2021 IEEE Fifth Ecuador Technical Chapters Meeting (ETCM) (pp. 1-6). IEEE.

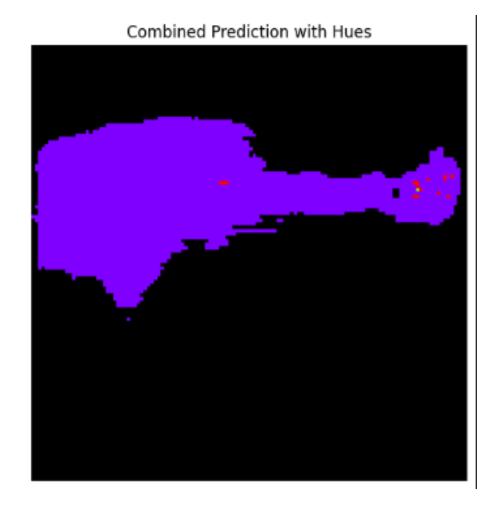
#### ResUNet

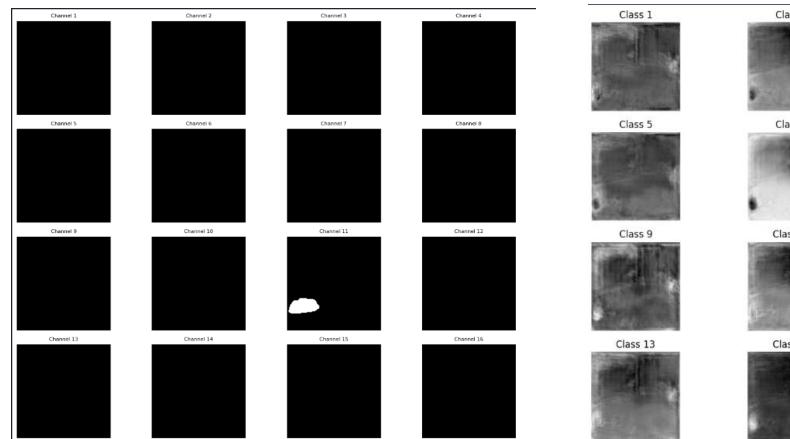


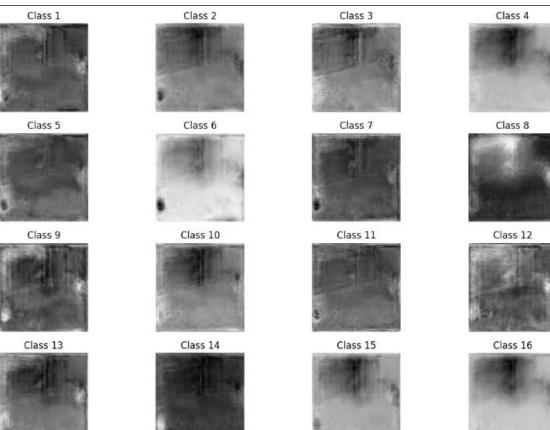
### ResUNet (ResNet34) tunowany



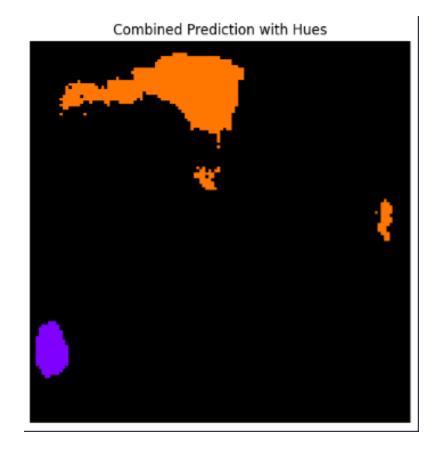






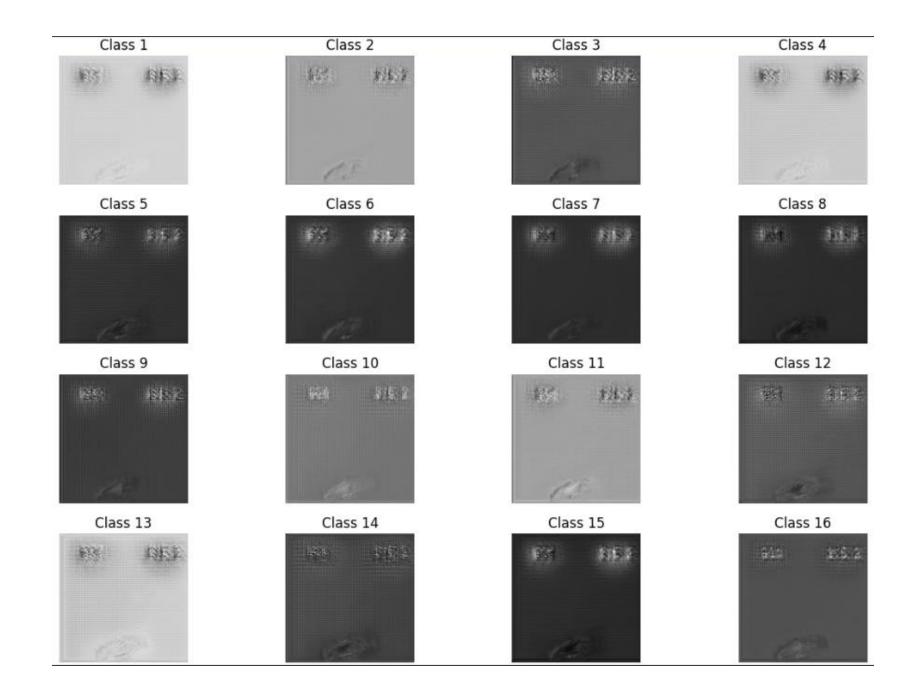


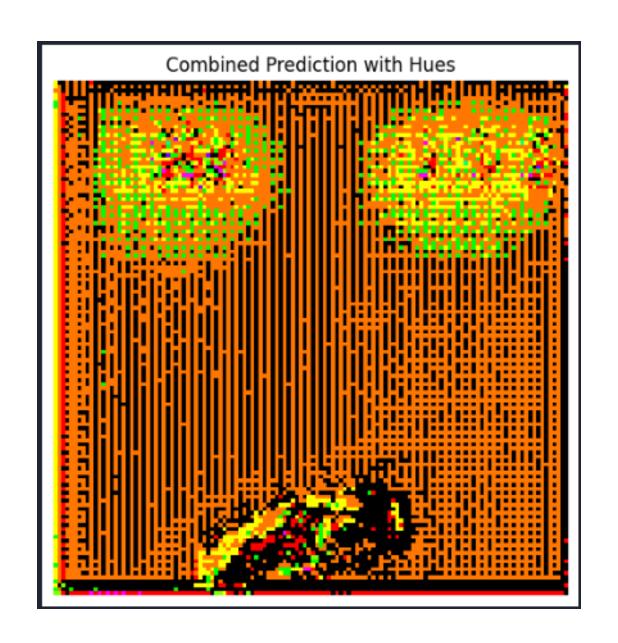


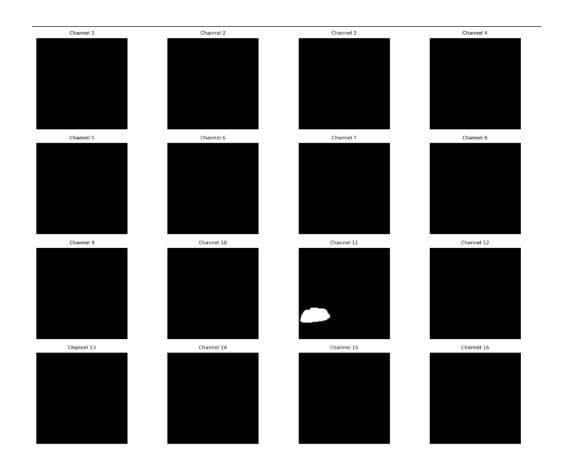


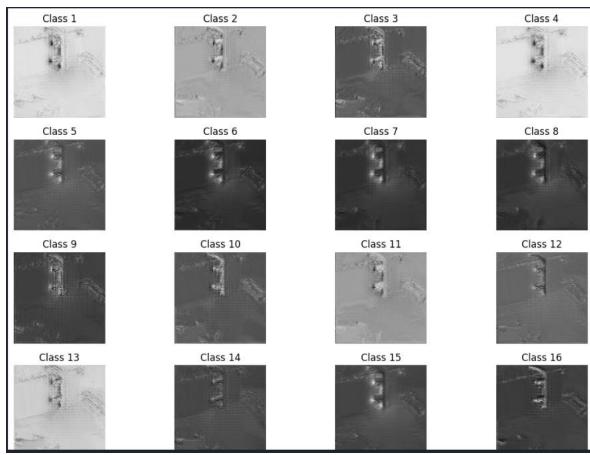
## Mój ResUNet

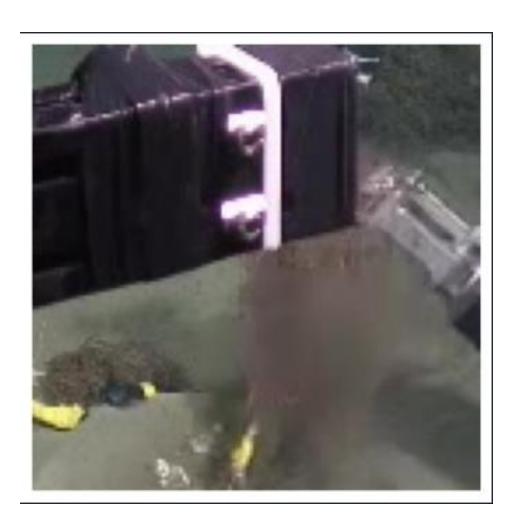












#### Combined Prediction with Hues

