





# Detection and Classifications of Sea Lions in Aerials Images (a last year Kaggle competition)

The goal is to count the number of sea lions in huge aerial images acquired from drones.

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- CNN and Fully convolutional NN can be used to analyze these data

**Project:** implement a simple FC-NN as a baseline and compare it against existing solutions for this problem.

**Thesis:** Exploit a priori information on the classes to improve the classification (e.g. puppies must be close to mums), e.g. aggregating local estimates.

In collaboration with Alessandro Giusti (IDSIA, CH)

