**Project Name:**

Identification of mussel reef

**Problem statement:**

Mussel reefs are termed biogenic reefs and have several important functions in marine ecosystems. Therefore, we need to find the mussel reefs, map their distribution, then protect them steadily and planned.

This project aims at detecting the mussel reef in the recording video based on the Danish definition of blue mussel reefs. The recording videos are from ROV(remotely operated vehicle). And then choosing one suitable method in computer vision and building one model for identification.

**Data:**

**Videos:**

**Extracted Frames:** [Dataset-of-Mussel-Reef/All images and labels at main · clam-xy/Dataset-of-Mussel-Reef (github.com)](https://github.com/clam-xy/Dataset-of-Mussel-Reef/tree/main/All%20images%20and%20labels)