

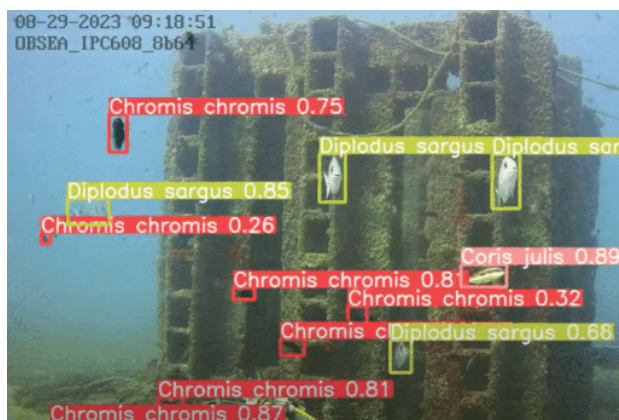


# iImagine: Advancing Marine and Freshwater Research with AI-driven Image Analysis

## In a nutshell

iImagine aims to deploy, operate, validate and promote a dedicated AI framework and platform, connected to the European Open Science Cloud and AI4EU, to give researchers in aquatic sciences open access to a diverse portfolio of AI-based image analysis services and image repositories. Using the iImagine platform will significantly enhance the efficiency and precision of processing and interpreting imaging data within marine and freshwater research.

*Picture courtesy of OBSEA's use case within the Ecosystem Monitoring at EMSO sites by video imagery*



## Facts and figures about iImagine

**4** national cloud compute centres

**5** AI/ML technology development institutes support

**14** research institutes linked to the major Research Infrastructures in aquatic sciences

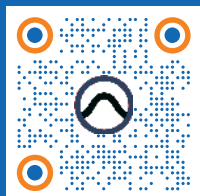
**8** uses cases

Addressing these topics: Pollution (Litter, Noise, Oil spills, Seagrass, Freshwaters), Biodiversity, Climate Change

**1** iImagine AI platform to be used for:

- Large scale image analysis
- Develop and train AI models
- Accessing cloud resources (GPUs, CPUs, storage) to store images and to scale up analysis workflows

**1** open call to expand the reach



Discover the iImagine AI platform  
Visit our website at [imagine-ai.eu](https://imagine-ai.eu)



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