

## Making the Oceans Quiet Again

### Paid Challenge

With the consistent upscale of ocean utilization by the shipping industry, renewable energies or tourism, the underwater soundscapes of our seas and ocean are rapidly evolving with increasing noise pollution, which threatens the health of multiple species such as dolphins, whales, seals, and many fishes. **Help us monitor and fight those changes!**



#### Monitoring and data:

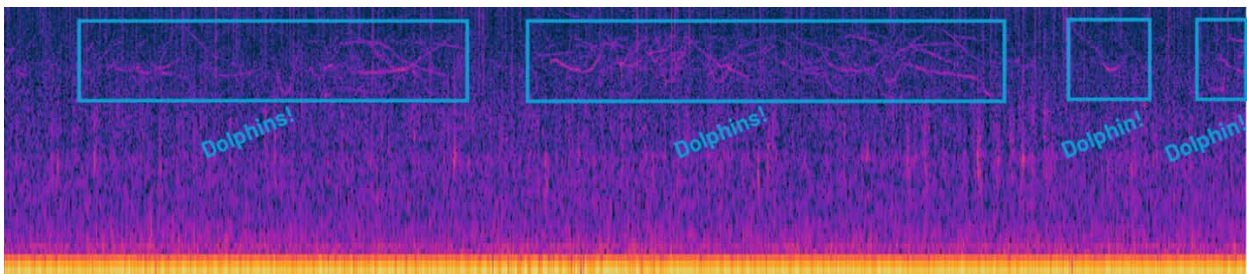
Hydrophones are often used to record underwater noises. However, processing the recordings is a long process, which prevents the generalization of monitoring campaigns to assess the evolution of the soundscape and the effectiveness of mitigation measures for species protection. Instead, **blueOASIS** is developing an **Artificial Intelligence (AI)** based technology to revolutionize the detection of underwater fauna: the HydroTWIN ([www.hydrotwin.pt](http://www.hydrotwin.pt)). For the algorithm to be performant, we need **labelled data**, i.e., the precise identification of species in all time windows of a limited number of sound recordings. After training the algorithm, the HydroTWIN will be able to automatically detect those species in an unlimited number of recordings and check the impact of noise pollution on underwater fauna.

#### What you can do to help:

**blueOASIS** (<https://blueoasis.pt/>) is looking for **AI-labellers!** After a short training session provided by us (you don't need any previous experience on the topic!), you will be able to detect the

specific sounds of dolphins and whales, as well as the anthropogenic noises coming from ships or communication devices. What can you earn with this work:

- You will improve your knowledge of underwater acoustics.
- You help protecting our marine mammals.
- You help a Portuguese deeptech startup working on our Ocean's sustainability.
- **You will be rewarded:**
  - For each file correctly labelled you will get 2Euros.
  - The best labeller will get an extra prize.
  - The best three labellers will participate in a Publication together with blueOASIS.
  - The money prizes will be paid via technology vouchers (fnac, Worten, Amazon).



If you are interested in playing a role in quieting the Oceans to protect marine species, please contact us.

**Contact:** [dalmeida@blueoasis.pt](mailto:dalmeida@blueoasis.pt), [ecruz@hydrotwin.pt](mailto:ecruz@hydrotwin.pt)

**Location:** Faial, Azores  
Ericeira, Portugal

Remotely for experienced labelers.