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# MARIS HABITATS



## Sponsor

*Insert the link to the project sponsor here*

## Project Brief

The goal is a **smart fish habitat** designed for underwater environments in the nature. The structure is made from natural sustainable resources and provides a safe shelter for fish, similar to rocks and cavities they use in their natural environments.

Inside the habitat, we place **sensors that** measure environmental conditions, such as water temperature, pH and activity around the entrance. This allows us to **collect data** on whether fish actually use the shelter and if the conditions support marine life.

The goal is to explore how artificial habitats combined with sensors can help us better understand and **support marine ecosystems**, while creating low-cost structures that could potentially be deployed in coastal areas and help endangered species survive and proliferate.

### The project requirements are:

1. ... (*specify here your project requirements*);
2. Comply with the following EU Directives:
  1. Electromagnetic Compatibility Directive ([EMCD](#));
  2. Low Voltage Directive ([LVD](#));
  3. Machinery Directive ([MD](#));
  4. Radio Equipment Directive ([RED](#));
  5. Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive ([ROHS](#));
3. Mandatory adoption and use of the International System of Units ([The NIST International Guide for the use of the International System of Units](#))
4. Use open source software and technologies.

# Participants

**Institution:** Instituto Superior de Engenharia do Porto

**Team N.:** 4

**Students:**

- Hernán Nieto Marabini
- Chaehee Kim
- Ida Schmitt
- Isak Björk
- Louis Van Nederkassel
- Oda Kristine Johansen Fossvoll

**Project Coaches:**

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- Pedro Guedes (pbg 'at' isep 'dot' ipp 'dot' pt)

**Client:**

- Client Name, email, etc.

# Contents

Milestones [Milestones](#)

Logbook: [Weekly Report, Meetings, Activities](#)

Report: [Report](#)

Deliverables: [Links to all deliverables](#)

# Contacts

- Hernán Nieto Marabini, hernan.nieto@estudiantes.uva.es
- Chaehee Kim, 1252463@isep.ipp.pt, linkedin, etc.
- Ida Schmitt, username@mailserver, linkedin, etc.
- Isak Björk, username@mailserver, linkedin, etc.
- Louis van Nederkassel, username@mailserver, linkedin, etc.
- Oda Kristine Johansen Fossvoll, username@mailserver, linkedin, etc.

## Utilities

- [DokuWiki Syntax](#)
- [Videos on how to use DokuWiki](#)

## Acknowledgements

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