

Data Strategy Development for a deep ocean technology

Company: SensFish Ltd ([SensFish - Ocean Conservation Technology](#))

Project open to: Final year undergraduate, and Masters students

Application closing date: September 30th

Expected duration of project: 4-6 months

Latest start date: End of October 2025

Application link: <https://forms.gle/7XrsK2AcBbXyLxj39>

Organisation description

Sensfish is transforming ocean conservation with innovative surveillance and AI-driven fish tracking. Their technology helps protect marine life, supports sustainable fisheries, and drives global efforts to preserve our oceans for future generations.

Sensfish combines cutting-edge satellite imagery, AI analytics, and marine expertise to deliver actionable insights for organizations committed to ocean sustainability and ESG compliance.

Project description

Data Strategy Planning, including identifying the right data and partnerships to fit within the company objectives. This includes, but is not limited to space earth observation data, environmental and fisheries statistics and underwater data. Two to three main geographical areas will be decided as core focus to inform the below objectives and key outputs.

Objectives:

1. Assess SensFish's data needs, ensuring alignment with the company's current and future objectives, technological roadmap, and cloud infrastructure. This includes evaluating programming languages, data processing tools, and other relevant technologies
2. Identify and evaluate key data resources across the board (satellite, underwater, environmental and marine data and statistics) – ensuring top data quality, reliable, long-term data access and conditions for commercial use, ensuring data transparency and cyber security measures

3. Identify and gather contacts of potential data partners and data acquisition strategy, considering regulatory compliance on a global level and cost-effectiveness
4. Support with scheduling meetings with the core contacts and participate in conversations and negotiations assuring the mentioned criteria when securing access is granted

Intended Outputs:

1. A clear and comprehensive excel spreadsheet with above-mentioned data, sources and characteristics, including all the above-mentioned criteria
2. An efficient (short and concise) and comprehensive Data strategy report, easy to use for software developers
3. An X number of meetings with data providers

Person specification

A mix of technical, business and analytical skills, General data understanding and integration from various sources, familiarity with cloud platforms (E.g., AWS), familiarity with Python, knowledge of AI and ML models for predictive analytics, research, communication, problem solving, leadership.