


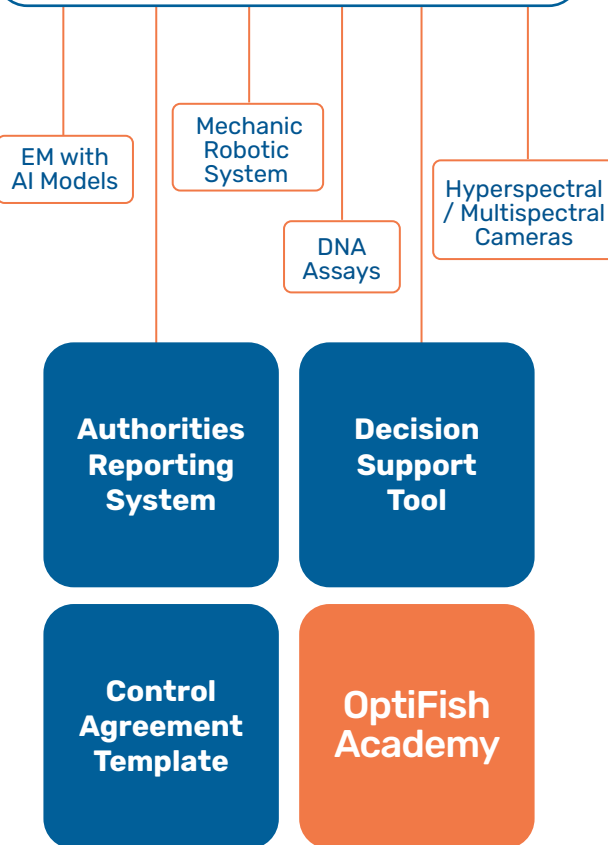


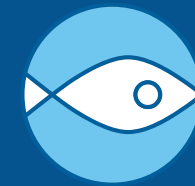
THE OPTIFISH TECHNOLOGIES

Objectives:

-  Improve data acquisition and species identification for estimating catch and bycatch composition
-  Integrate real-time sensors and monitoring systems to detect potential illegal fishing practices and to prevent system tampering
-  Deploy emerging technologies onboard fishing vessels to assess fish health status and quality



PARTNERS



OptiFish

Optimisation of Digital Catch Monitoring & Reporting in European Fisheries

GET IN TOUCH

✉ info@optifish.eu

COORDINATOR

Els Torreere

✉ els.torreere@ilvo.vlaanderen.be



 optifish.eu



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WHAT CHALLENGES ARE FISHERIES FACING?

- Illegal and unreported fishing
- Reliance on human observation and manual data
- Lack of trust
- Implementation of regulation
- Intrusive measures
- Data security

THE OPTIFISH APPROACH TO TACKLE THESE CHALLENGES



Technology

Develop reliable and easy to use solutions for fishers & control agencies



Build Trust

Engage with stakeholders in the decision-making process to ensure the system is beneficial for all parties



Facilitate Communication

Improve transparency in fisheries management and traceability of fish products



Data Quality

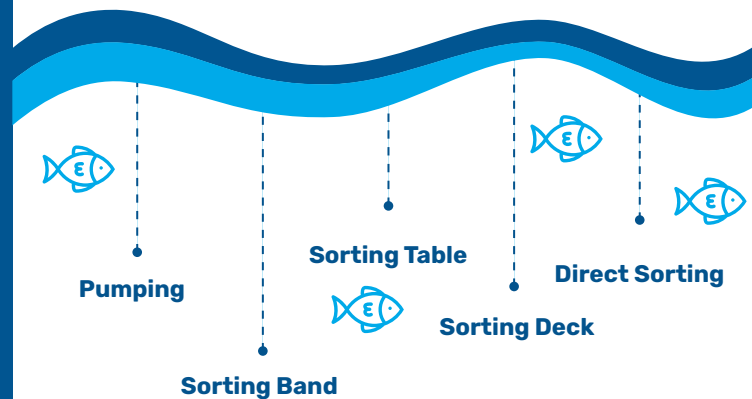
Ensure that collected data is accurate, timely and up to date

PILOT STUDIES

The Pilot Studies will:

- Integrate the technologies developed by the project with existent catch reporting and surveillance systems
- Take place in a range of different fisheries and sea basins
- Utilize multi-actor co-creation labs (MALs) to understand the needs and concerns of fishers

5 Catch Handling Facilities



5 Type of Fisheries



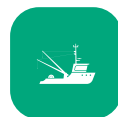
Industrial Pelagic Fisheries



Large Scale Demersal Fisheries



Mid Scale Demersal Fisheries



Small Scale Demersal Fisheries



Artisanal Fisheries

Implemented Technologies



Rapid DNA



EM Cameras



Robotics



Hyperspectral / Multispectral Cameras



Integrated Monitoring / Reporting System

OptiFish will develop tools and technologies that will enable fishers to become the managers of the marine good.

One Step Further...

Authorities Reporting System:

Integrating various data sources and maintaining compatibility with existing systems.

Control Agreement Template:

Supporting the implementation of AI-based catch monitoring systems.

Decision Support Tool:

Providing real-time geo-spatial information, fuel consumption and cost overview, quota consumption summary and integrating existing support tools and EM data streams.

OptiFish Academy

Providing trainings and information based upon OptiFish activities and results in a variety of formats.