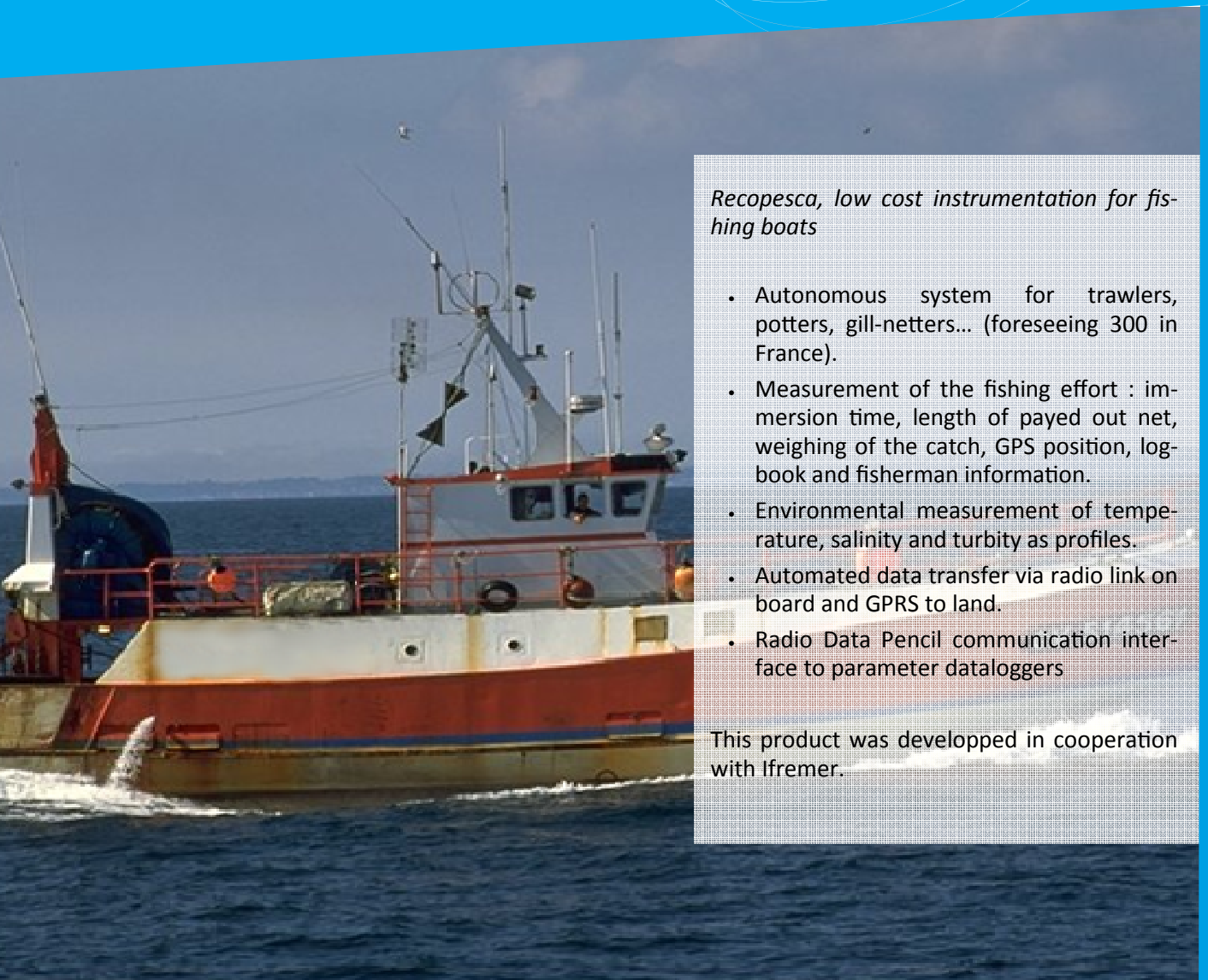


RECOPESCA

A network of sensors for the measurement of the fishing effort and environmental parameters



Network



Recopesca, low cost instrumentation for fishing boats

- Autonomous system for trawlers, potters, gill-netters... (foreseeing 300 in France).
- Measurement of the fishing effort : immersion time, length of payed out net, weighing of the catch, GPS position, log-book and fisherman information.
- Environmental measurement of temperature, salinity and turbidity as profiles.
- Automated data transfer via radio link on board and GPRS to land.
- Radio Data Pencil communication interface to parameter dataloggers

This product was developed in cooperation with Ifremer.

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< Concentrator (1)

Data management and transmission

Installed onboard fishing boats, the CONCENTRATOR enables to manage and transmit measures from various operating data loggers (water temperature, pressure, turbidity ...).

The CONCENTRATOR receives and records data from the data loggers and the GPS position of the boat. This data can be sent to a management station by GPRS.



< SP2T-PR (2)

Temperature and water depth profile and recording, for purse seiners

The SP2T-PR application measures and records temperature and pressure.

It can be used for monitoring these parameters and make depth seine profiles. It has been designed to be used down to 300m.



< STPS-PR (3)

Water quality monitoring: measurement and profile of salinity, water depth and temperature

STPS measures and records temperature, pressure and conductivity. Salinity is deduced by calculation. STPS has been designed for a simple and an optimal use even in harsh environments, down to 300m. Radio communication via a Radio Data Pencil or a Concentrator.



< STBD-PR (5)

Profile and measurement of turbidity, water depth and temperature

STBD measures and records turbidity (automatic range available), pressure and temperature in coastal waters.



< SLF (4)

Measures the length of net deployed from a fishing vessel

SLF enables to measure the length of net deployed at sea from a fishing boat, counting the number of revolutions made by the net drum.



< Scale (6)

Onboard digital fishing scale weight, monitor and record

RECO scale enables to weight catches onboard fishing boats.



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