



ITIS

NEW TRAWL METHODS FOR TARGETED FISHING

The ITIS project, officially recognised in 2006, was designed to offer the fishing industry innovative techniques and methods for sustainable fishing.

The project first developed a new acoustic tool for identifying aquatic resources and ecosystems for real-time multifrequency characterization of biological targets. The system is compatible with and can be integrated into different acoustic platforms: single and multi-beam probes, sonar, autonomous instrumented stations and net sounder. The second part of the project developed and experimented with new designs for fish and lobster pots combining selection and quality criteria for catches. At the same time, work was carried out to optimize trawler design to reduce the mechanical impact on catches and sea beds, thus reducing the vessel's energy consumption.

In addition to these products, the project also strengthened exchanges between scientific, industrial and professional partners relating to the two theses undertaken at the University of Bretagne Sud and Télécom Bretagne, recruitment of a designated employee at IRD and registration of 3 interim French patents ('enveloppes Soleau'). New contacts were established for technology transfer: experiments with pots and creels in the fishing grounds of the Gulf of Gascony (Prespo project with Aglia) and alternatives to longline fishing for Toothfish in the Pacific (Orcasav project, recognised jointly with Qualitropic).

- 5 international scientific publications
- 8 papers at scientific conferences

Partners

Companies

iXTrawl/Sodena, Pont-l'Abbé [\[Project Developer\]](#)
IPSIS, Cesson-Sévigné
Le Drezen, Léchiagat-Le Guilvinec
Resiconcept, Pleyben

Research centers

Ifremer, Brest
Ifremer, Lorient
IMP, Lorient
IMT Atlantique Bretagne-Pays de la Loire, Brest
IRD, Brest

Other partner

Comité Régional des Pêches Maritimes et des élevages Marins de Bretagne (CRPMEM)

Funder

- Fonds Unique Interministériel

Labelisation

31/03/2006

Overall budget

2 065 K€