



The **NECESSITY** Project

NEphrops and CEtacean Species Selection Information and Technology

**Sixth Framework Programme
Priority 8.1
Policy-oriented research (SSP)**

SSP8-CT-2003-501605

NECESSITY is a very large European project with more than 30 organisations working together to reduce by-catches in two important fisheries: on Norway Lobster (*Nephrops norvegicus* L.), and pelagic fish species.

In the *Nephrops* fisheries the main objective is to reduce by-catches of non-target fish species. In the pelagic fisheries, the work aims at reducing by-catch and mortality of dolphins and small whales.

Solutions to these problems are sought through gear modifications (escape windows, sorting grids, etc.), and in the pelagic case also through acoustic signals deterring dolphins, without affecting catch levels of target species.

In addition the biological and economic effects of these solutions will be studied.

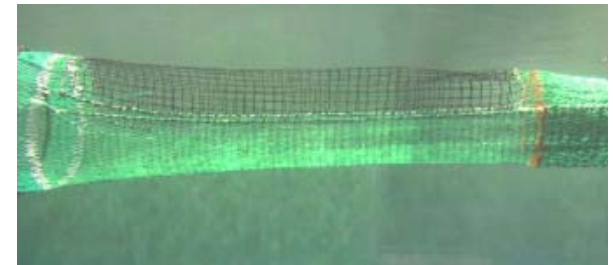
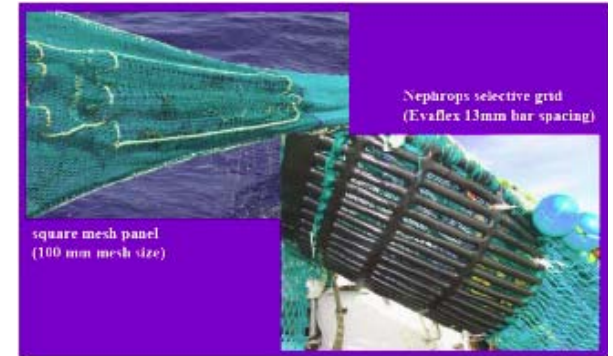
The work is carried out in close cooperation with the fishing industry.

The project consists of ten work packages, as follows:

- WP1: Management and co-ordination
- WP2: Statistical planning, modelling and analysis
- WP3: Species selective *Nephrops* gears
- WP4: Alternative tactics *Nephrops* fisheries
- WP5: Biological effects *Nephrops* fisheries
- WP6: Cetacean by-catch and alternative tactics
- WP7: Gear modifications pelagic trawls - Cetaceans
- WP8: Impact on Cetacean stocks
- WP9: Socio-economic repercussions
- WP10: Dissemination and implementation

Techniques and methods:

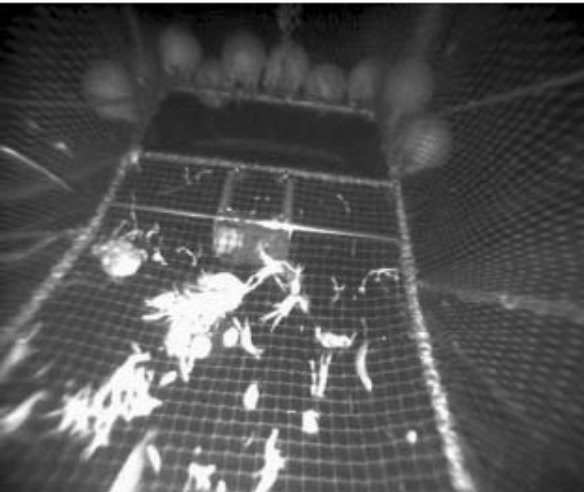
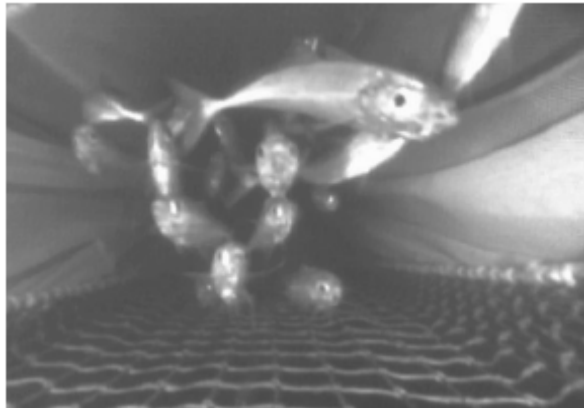
***Nephrops* fisheries**



Sorting grids and Square mesh panels



Coverless trawl



Static trawl replacements: creels

Cetaceans in pelagic fisheries



Escape devices



Acoustic deterrents ('pingers')



Dolphin reactions to pingers



Bassin studies

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EU Contract: SSP8-CT-2003-501605

Total Costs: €7725286

EU Contribution: €4274000

The duration of the project is 38 months,

Start date: 01/03/2004

End date: 30/04/2007