

DiscardLess

WP 4: Adaptation of fishing strategies

The Fisherman's story – how fishermen can reduce discards

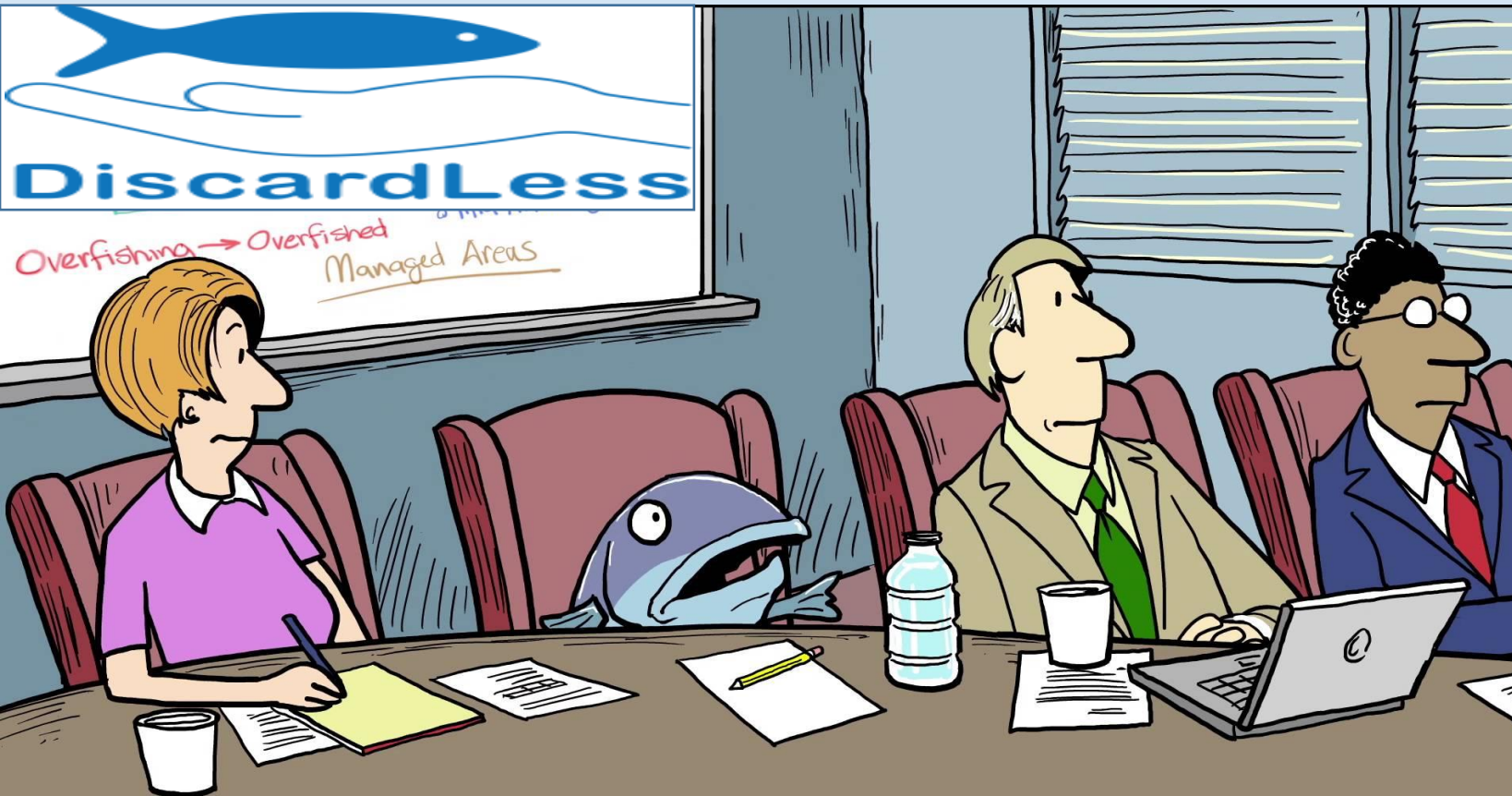


**The Scientists story – using science to find places,
times and practices that can avoid discarding**



WP 4: Adaptation of fishing strategies

The Managers story – ways that managers can help avoid discards



Task 4.1 The Fishermans story – tactical choices



General

- Change grounds in response to high levels of the choke species or small fish.
- Avoidance of spawning/nursery areas to avoid small fish.
- Information sharing to avoid areas with choke or high levels of small fish.
- “Moving on” after high catches of choke or small fish.
- Change of target species.
- Fishers developing their own quota approaches.

Task 4.1 The Fishermans story – D4.1

Avoidance report – tactical choices



- **Specific**
- Changing the depth for fishing to change species mix.
- Shorter hauls.
- Use of sonar to target hauls.
- **Additional tactical ideas**
- Temporary area closures - juveniles, spawning areas or aggregation areas.
- Quota management – quota to help living with the LO.

Task 4.3 The Scientists story –Where, when and how to avoid unwanted catch

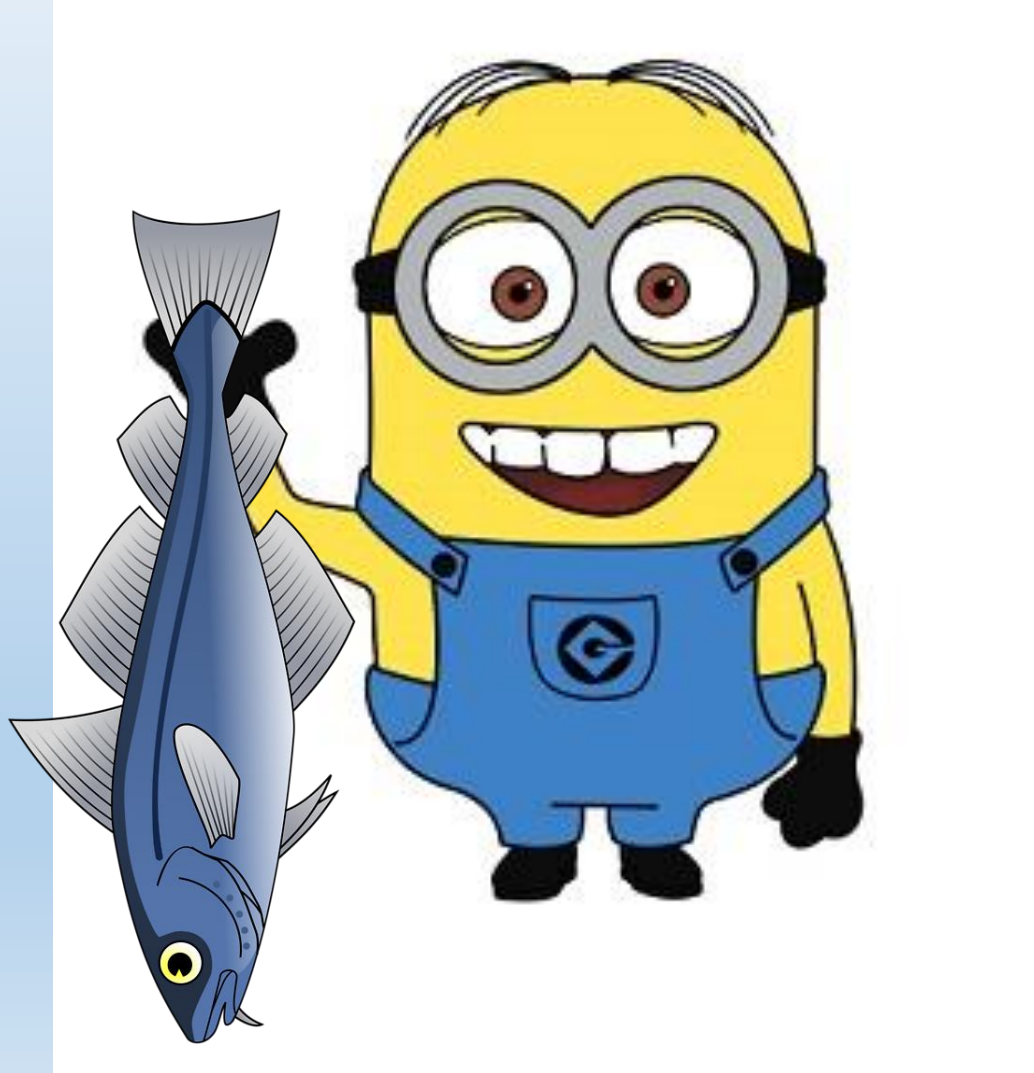


Hot spot mapping

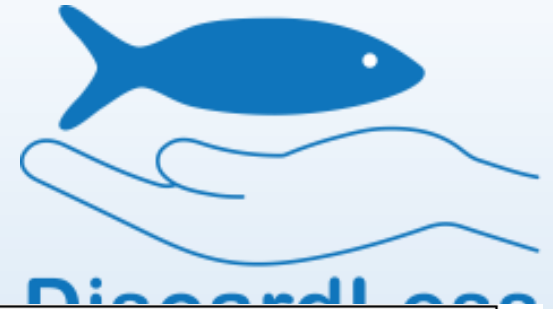
Survey data

Observer data

Other data



Task 4.3 The Scientists story –Where, when and how to avoid unwanted catch



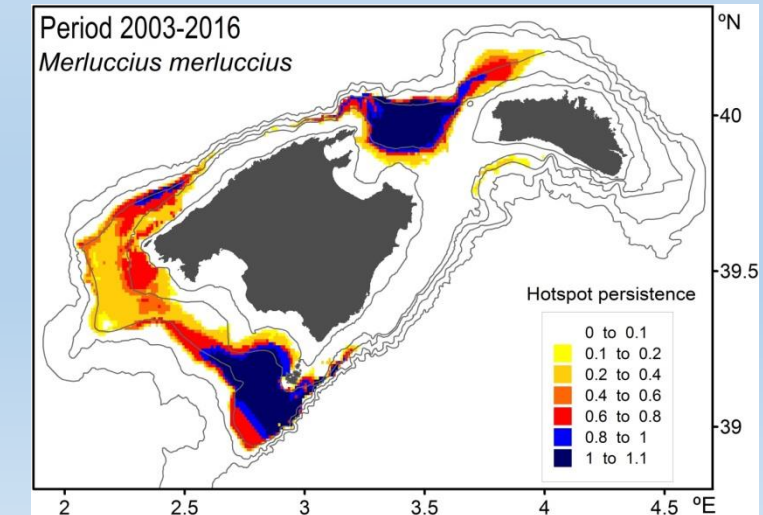
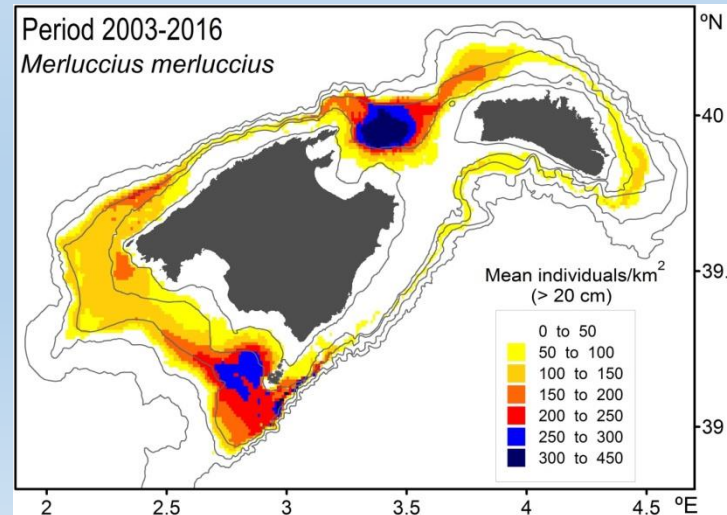
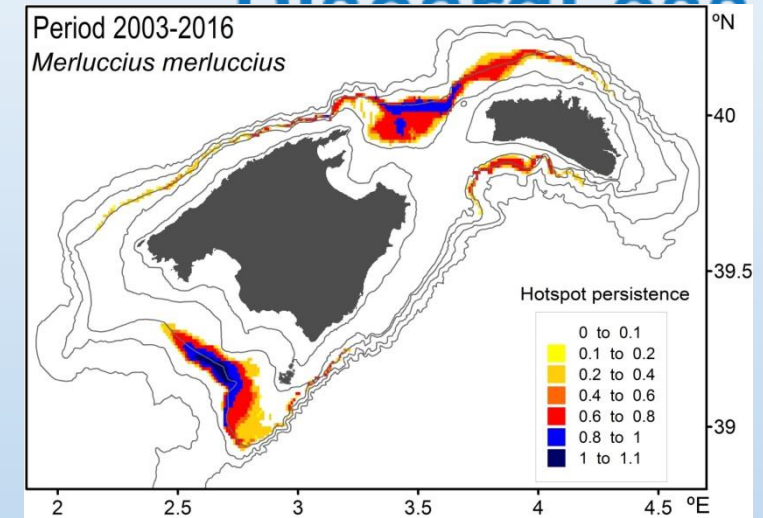
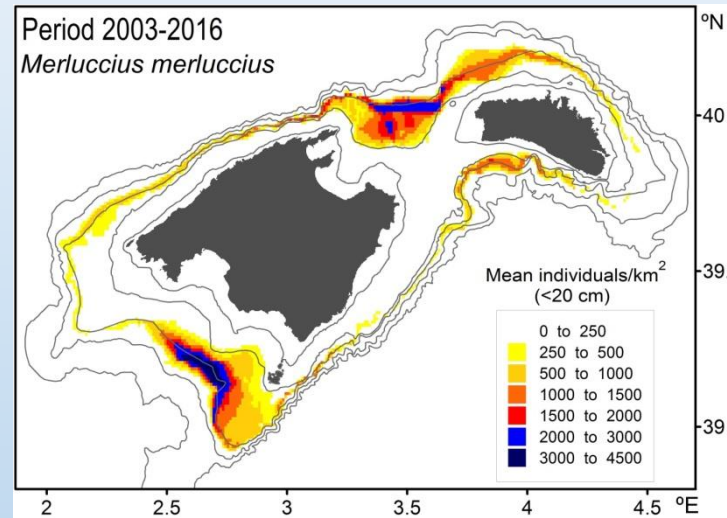
Hot spot mapping

Survey data

Balearics

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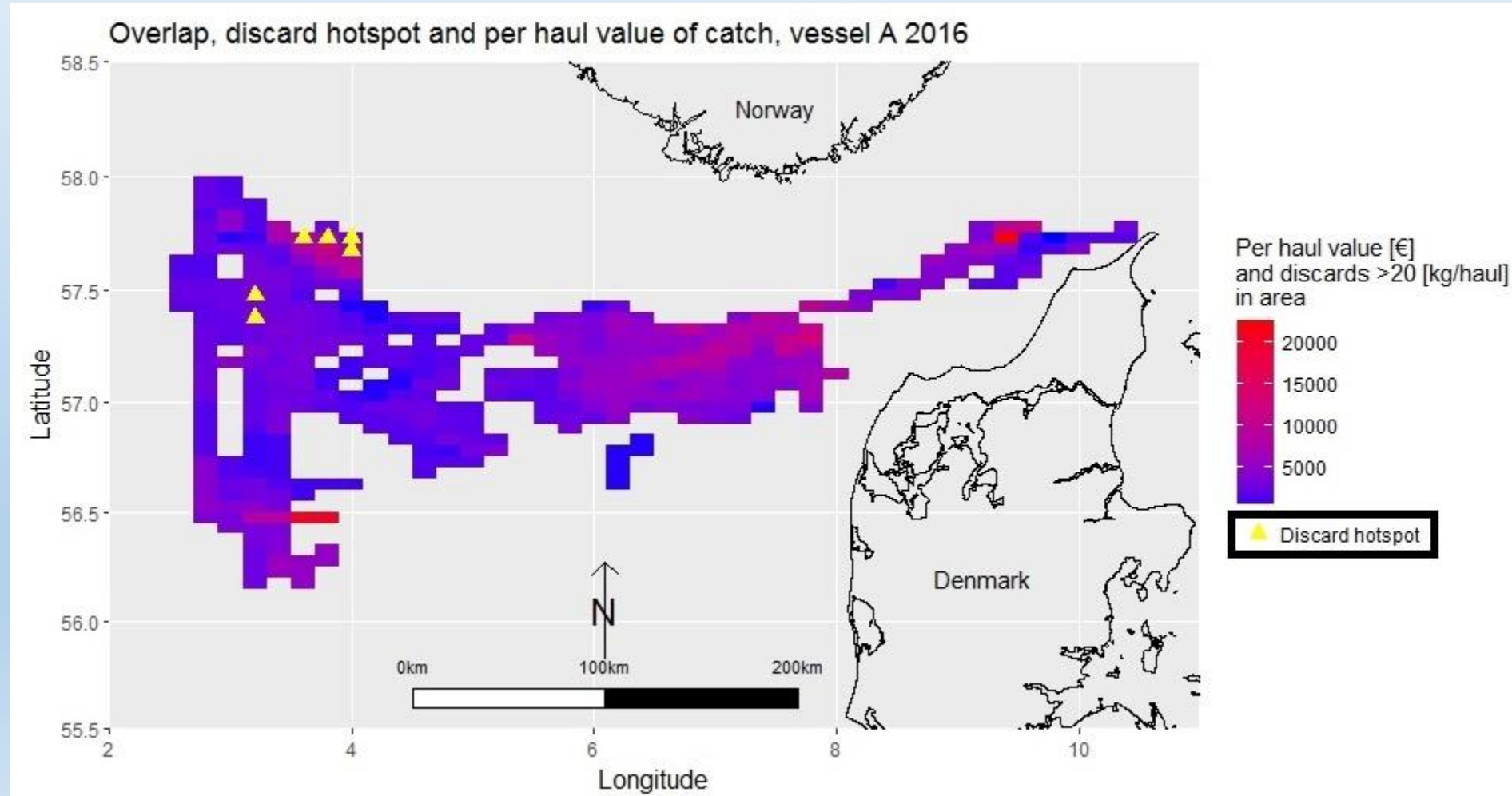
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Task 4.3 The Scientists story –Where, when and how to avoid unwanted catch



Hot spot mapping
Fully Documented
Fishing
Denmark N. Sea



Task 4.3 The Scientists story –Where, when and how to avoid unwanted catch

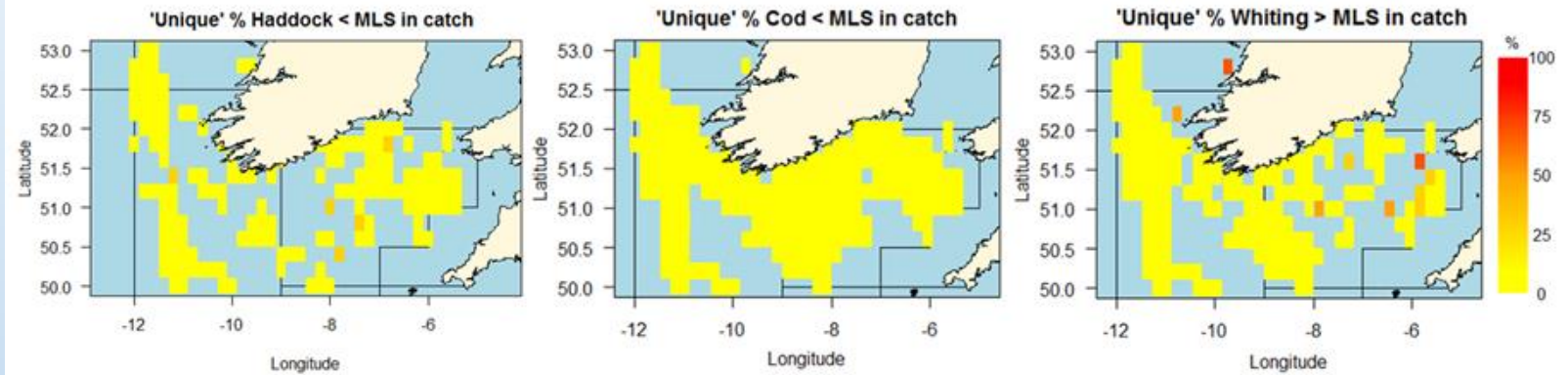


Hot spot mapping

Observer data

Ireland Celtic Sea

Over and under MCRS



Task 4.3 The Scientists story –Where, when and how to avoid unwanted catch

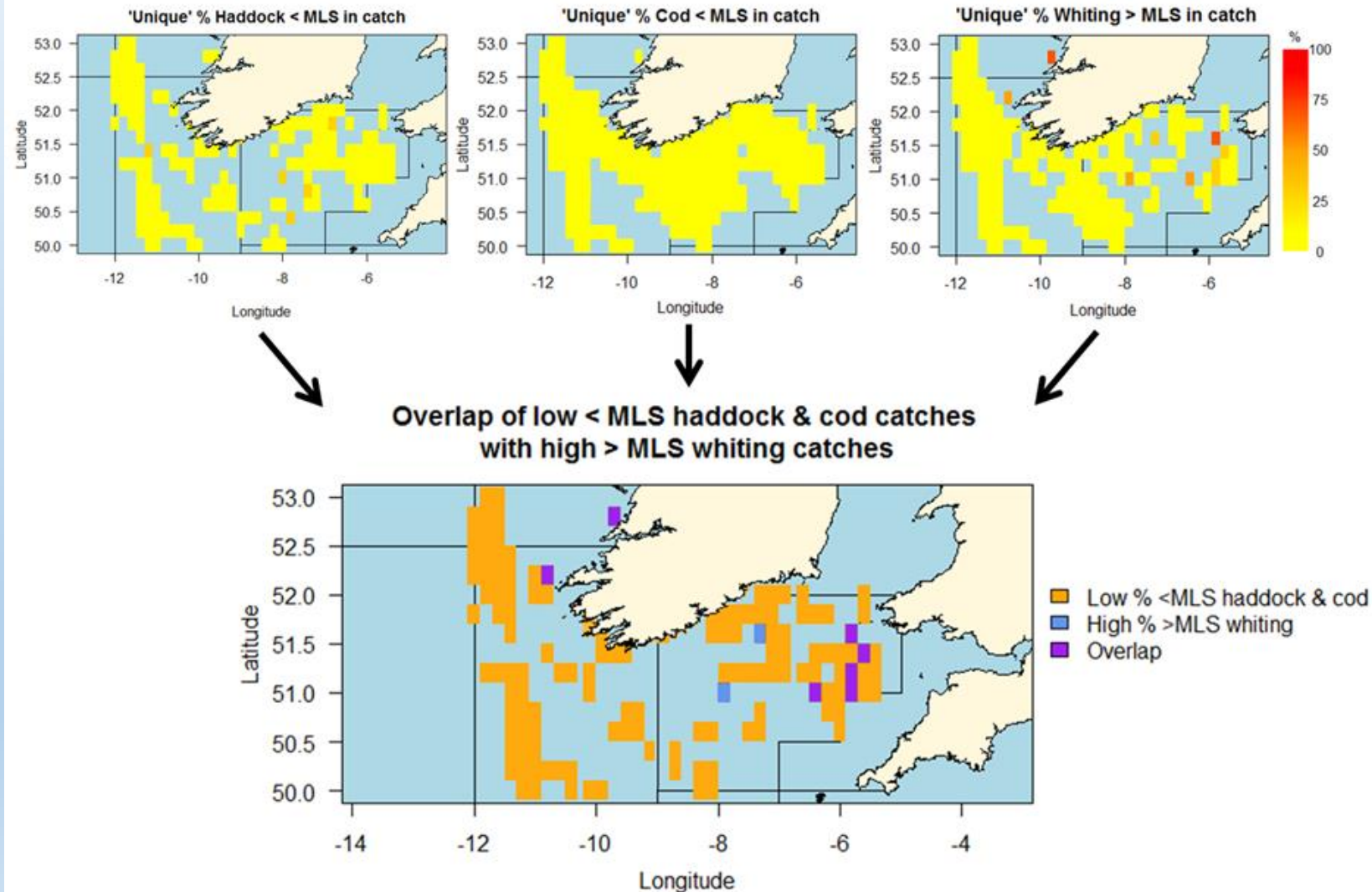


Hot spot mapping

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Task 4.3 The Scientists story –Where, when and how to avoid unwanted catch



Species clusters in landings and discards, is there a link?? France Celtic Sea

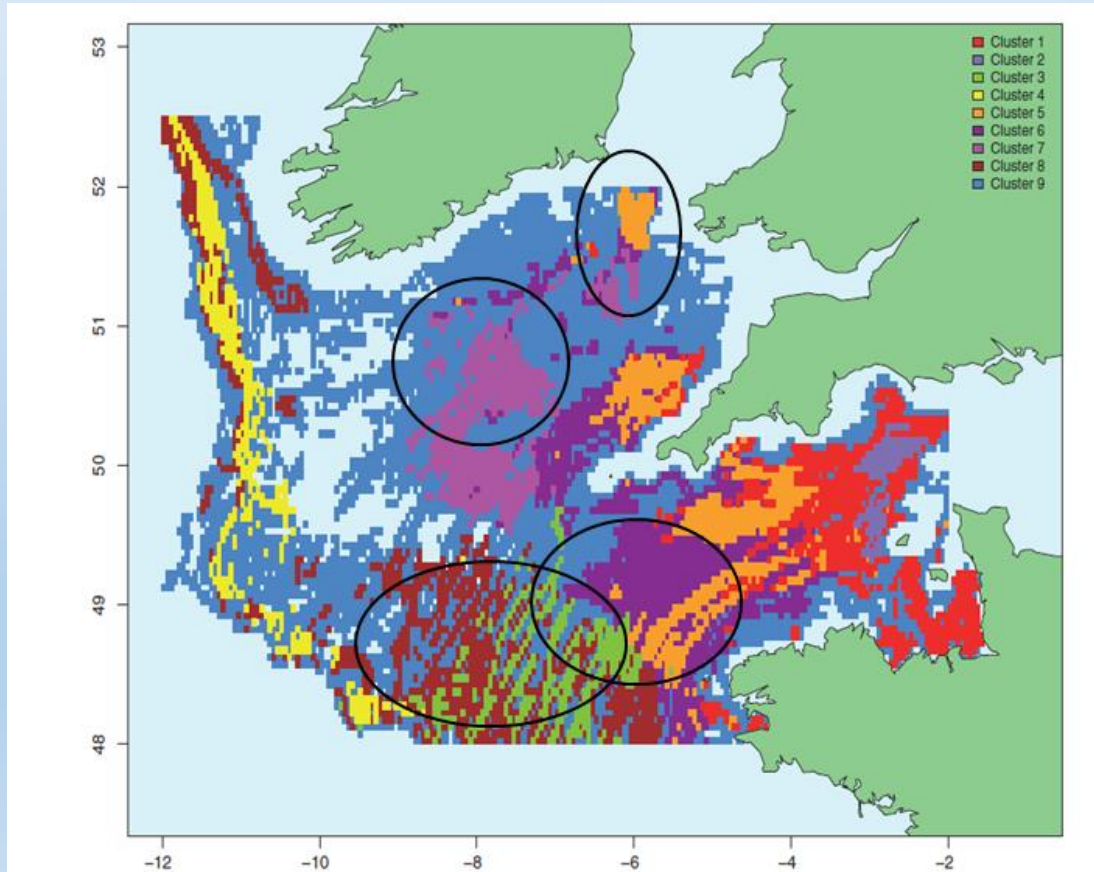
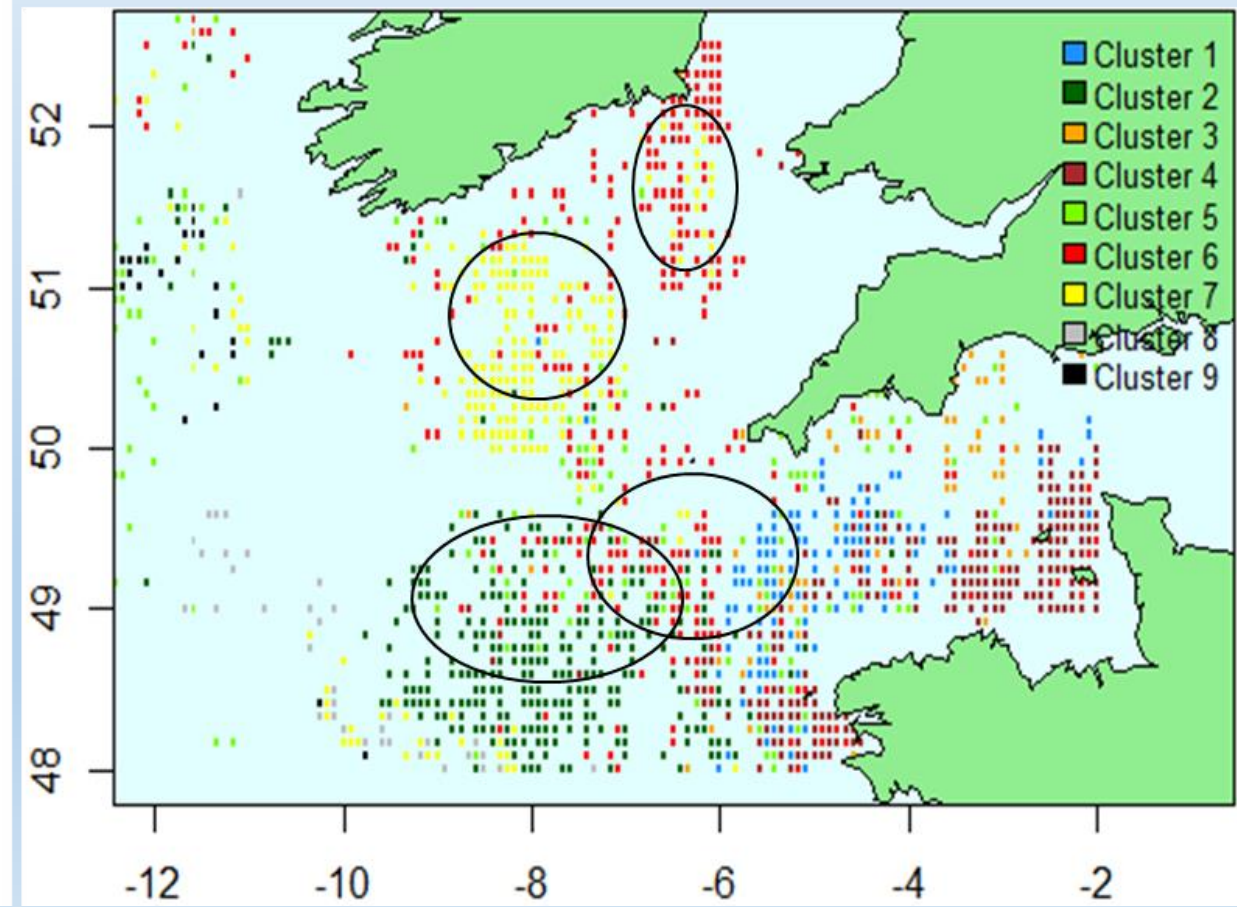


Figure 2. Cluster map. The same colour code was assigned to each 3'x3' square belonging to the same cluster (nine clusters).



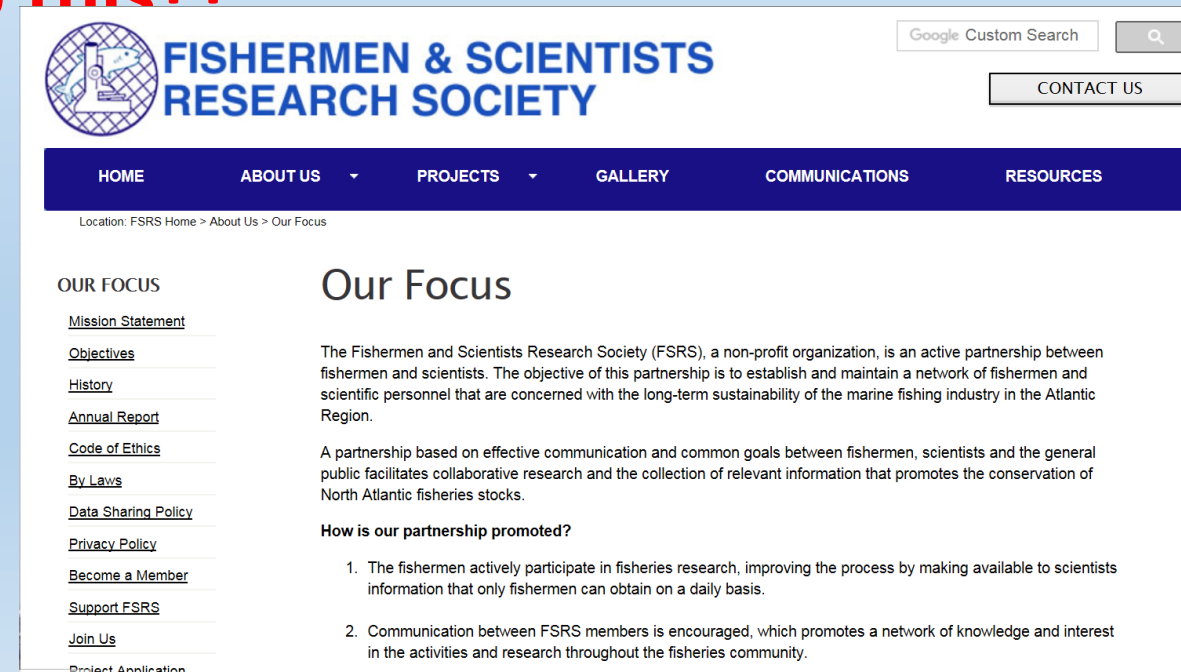
Task 4.3 The Scientists story –



So we can produce lots of maps.....!

These COULD help fishermen avoid unwanted catch

HOW can we see if they ACTUALLY do this??



The screenshot shows the homepage of the Fishermen & Scientists Research Society (FSRS). At the top right, there is a search bar labeled 'Google Custom Search' and a 'CONTACT US' button. The main navigation bar is dark blue with white text for 'HOME', 'ABOUT US', 'PROJECTS', 'GALLERY', 'COMMUNICATIONS', and 'RESOURCES'. Below the navigation bar, the page title 'FISHERMEN & SCIENTISTS RESEARCH SOCIETY' is displayed next to a logo. The 'OUR FOCUS' section is highlighted in the left sidebar, listing various documents like 'Mission Statement', 'Objectives', 'History', 'Annual Report', 'Code of Ethics', 'By Laws', 'Data Sharing Policy', 'Privacy Policy', 'Become a Member', 'Support FSRS', 'Join Us', and 'Project Application'. The main content area under 'Our Focus' contains a paragraph about the society's mission and a list of two points under the heading 'How is our partnership promoted?'.

Task 4.4 The Managers story - identify policy mechanisms to encourage and incentivise minimisation of discards



- **Are there better ways to manage fisheries in a LO world??**
- **Experience outside Europe**
- **Look at ideas – with an open mind**
- **Over to you again!!**

Thank you



I COLABORATE WITH FISHERS
BECAUSE...

I ACCEPT, I ASSUME
THEY KNOW MORE THAN
ME ABOUT FISHERIES

I COLABORATE WITH
SCIENTIFICS BECAUSE...

WE CAN HELP THEM
FOR IMPROVING AND
PROGRESING,