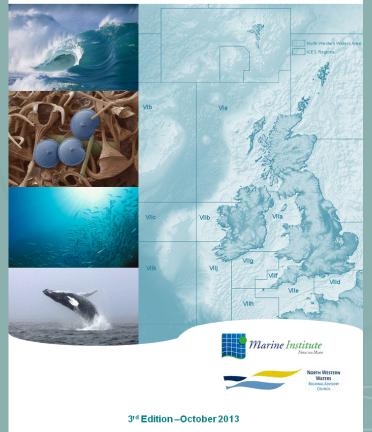
### NWW Atlas 3<sup>rd</sup> Edition

A description of the marine ecosystem around us

### North Western Waters Atlas



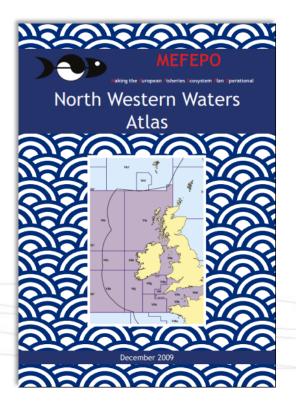
Leonie DransfeldFEASNWW RACMarch 2014



www.marine.ie



# History of the NWW Atlas



• *MEFEPO: Making the European Fisheries Ecosystem Plan Operational – FP7 project* 

• For policy makers, managers and Stakeholders

•Eagle eye overview of the marine ecosystem in the NWW RAC area

•Up to date scientific information- clear, concise & simple





### 3<sup>rd</sup> Edition 2014

Joint publication between MI and NWW RAC

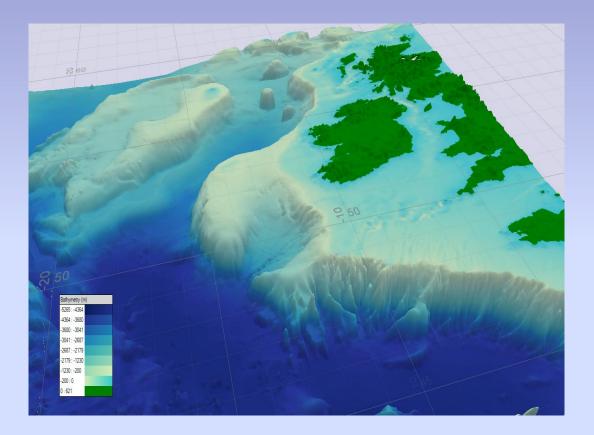




### **NWW Atlas Content**

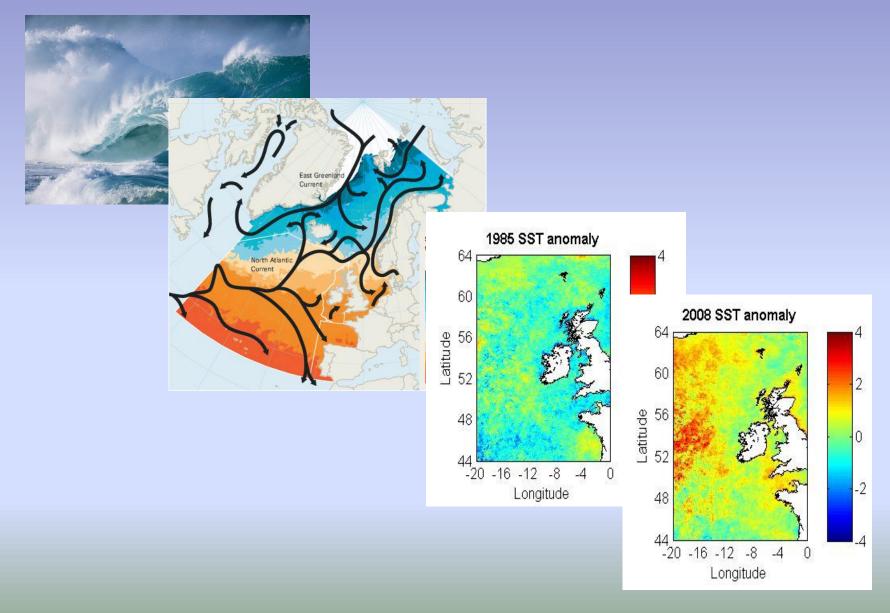


## AREA AND DEPTH

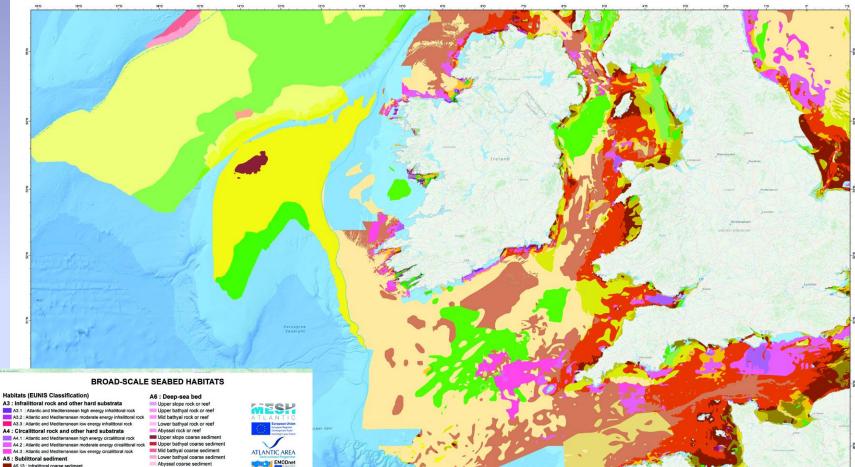


### Administrative Boundaries & bathymetric features

## WATER MOVEMENT- CLIMATE - SEA TEMPERATURES



### **SEA FLOOR HABITAT** — HABITAT MAP-LISTED HABITATS - SACs



A3.2 : Atlantic and Mediterranean moderate energy infralittoral rock A3.3 : Atlantic and Mediterranean low energy infralittoral rock A4 : Circalittoral rock and other hard substrata A4.1 : Atlantic and Mediterranean high energy circalittoral rock A4.2 : Atlantic and Mediterranean moderate energy circalittoral rock A4.3 : Atlantic and Mediterranean low energy circalittoral rock A5 : Sublittoral sediment A5.13 : Infralittoral coarse sedimen A5.14 : Circalittoral coarse sediment A5.15 : Deep circalittoral coarse sediment A5.43 : Infralittoral mixed sediments A5.44 : Circalittoral mixed sediments A5.45 : Deep circalittoral mixed sediments A5.23 : Infralittoral fine sand A5.25 : Circalittoral fine sand A5.27 : Deep circalittoral sand A5.24 : Infralittoral muddy sand A5.26 : Circalittoral muddy sand A5.33 : Infralittoral sandy mud A5 35 · Circalittoral sandy mud A5.34 : Infralittoral fine mud A5.36 : Circalittoral fine mud A5.37 : Deep circalittoral mud **Geomorphogical Limits** Shelf edge Foot of continental slop Rase of seamount



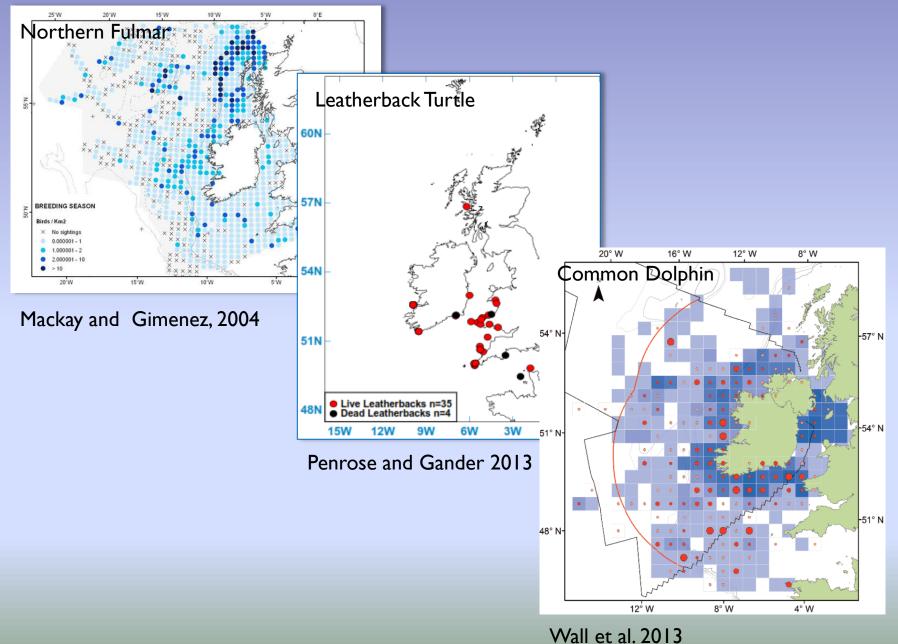
0 25 50 75 100 Kilometers Upper slope sand to muddy sand Upper bathyal sand to muddy sand Mid bathyal sand to muddy sand 0 10 20 30 40 Nauticals Milles Lower bathyal sand to muddy sand Abyssal sand to muddy sand Upper slope mud to sandy mud Upper bathyal mud to sandy mud Mercator projection (45°N) Datum : WGS84 Mid bathyal mud to sandy mud Lower bathval mud to sandy mud Abyssal mud to sandy mud

А

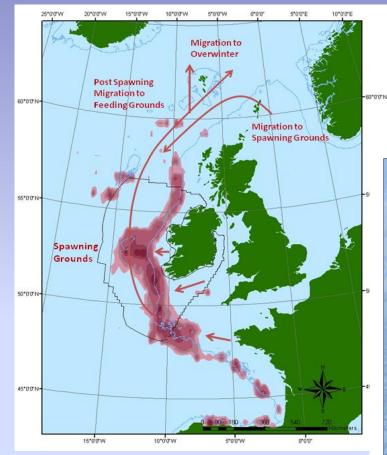
October 2013

Abyssal mixed sediments

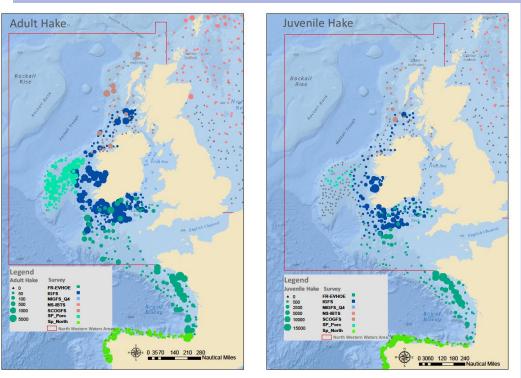
## **SEA BIRDS – REPTILES – MARINE MAMMALS**



### **DISTRIBUTION OF FISH - SPAWNING AND NURSERY GROUNDS**

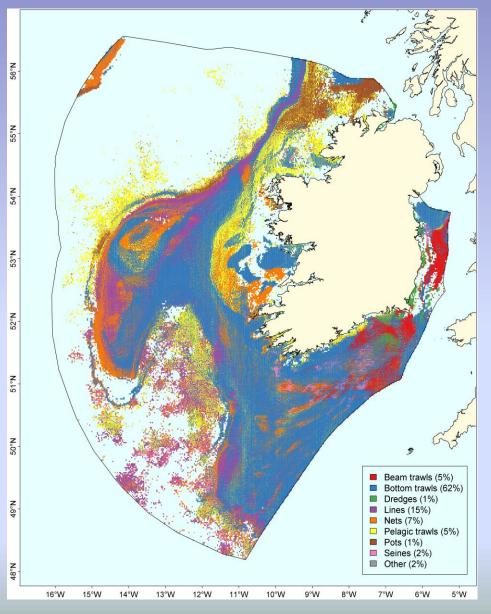


Mackerel spawning and migration from egg survey data 2001 -2010

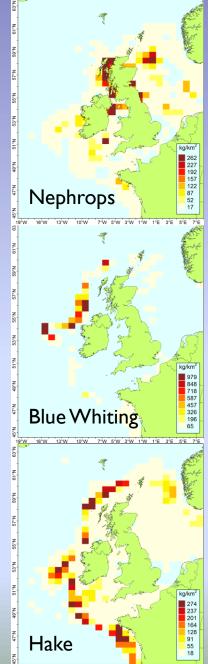


Adult and juvenile distribution of Hake from 2012 IBTS data

### DISTRIBUTION OF FISHING ACTIVITY



From Gerritsen and Lordan, 2014



19'W 16'W 13'W 10'W 7'W 5'W 3'W 1'W 1'E 3'E 5'E 7'E



# Feedback from NWW RAC

# What can be/should be included?

# What can be omitted?





# The way forward

**Open for feedback until the end of April** 

**Incorporation into final draft** 

**Publication early summer** 

