

Noordzeedagen 2023  
28 & 29 september  
De Cocksdorp – Texel

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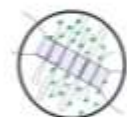


## Aim:

Provide regulators and decision-makers the knowledge and fit-for-purpose tools they need to combat biodiversity loss in coastal and marine habitats.

## Our Activities

Click on the different regions to learn more.



Plankton / Algae



Field work sites



Zooplankton



Copepods



Fish



Sea birds



Marine mammals



Seagrass



Macroalgae



Shellfish

North East  
Atlantic Ocean

Norwegian Sea

Barents Sea

Baltic Sea

North Sea

Mediterranean Sea

Black Sea



# Wadden Sea



- Nursery



- Foraging grounds

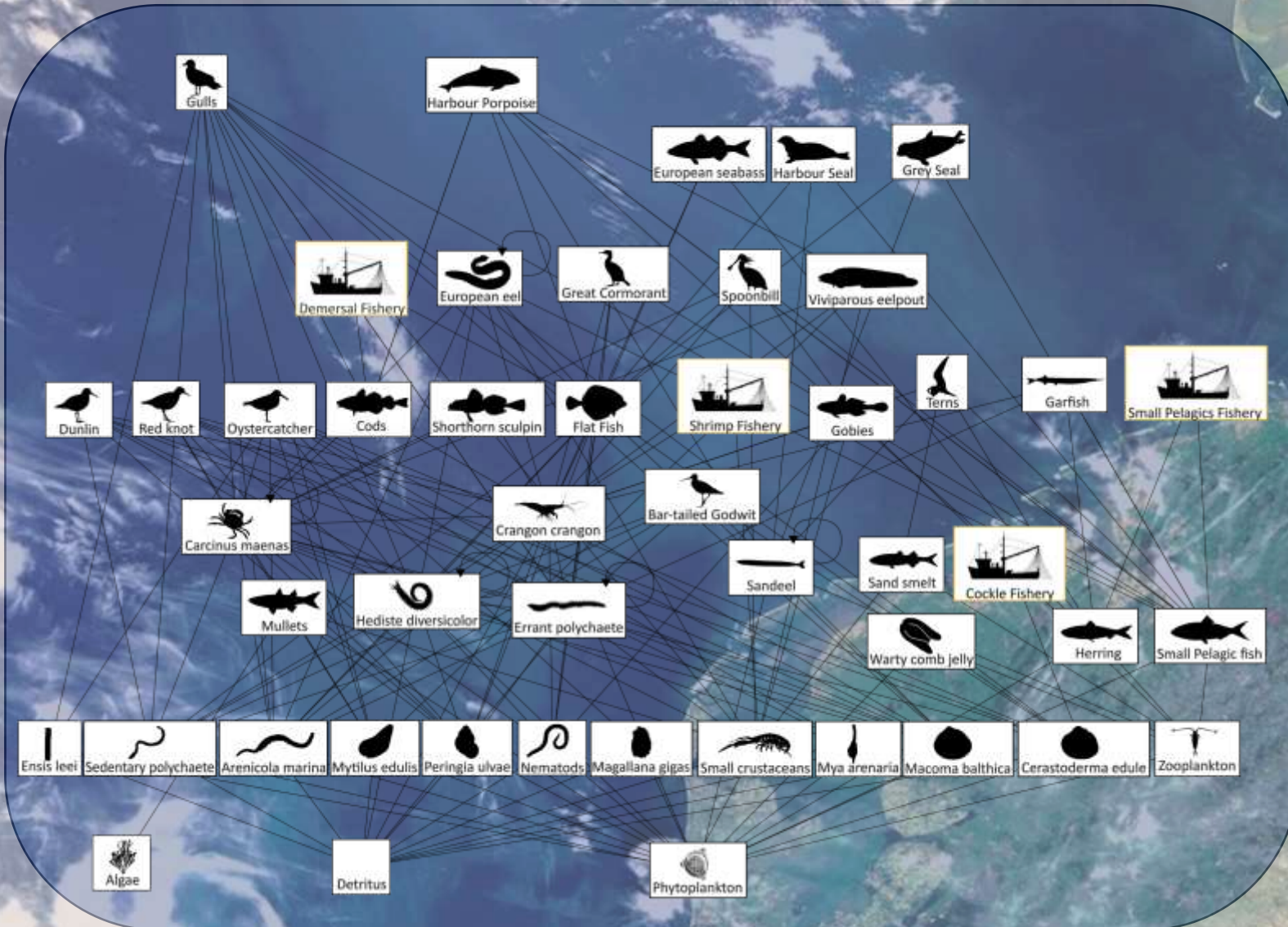


- Breeding grounds



- Resting grounds

# Food Web of the Dutch Wadden Sea



Ecopath with Ecosim  
*No fish is an island*



Lack of (up-to-date) data.

Look back 50 to 100 years ago!

# Food Web of the Dutch Wadden Sea

Ecopath



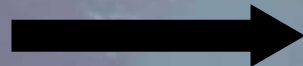
Mass-balanced  
snapshot

# Food Web of the Dutch Wadden Sea

Ecopath



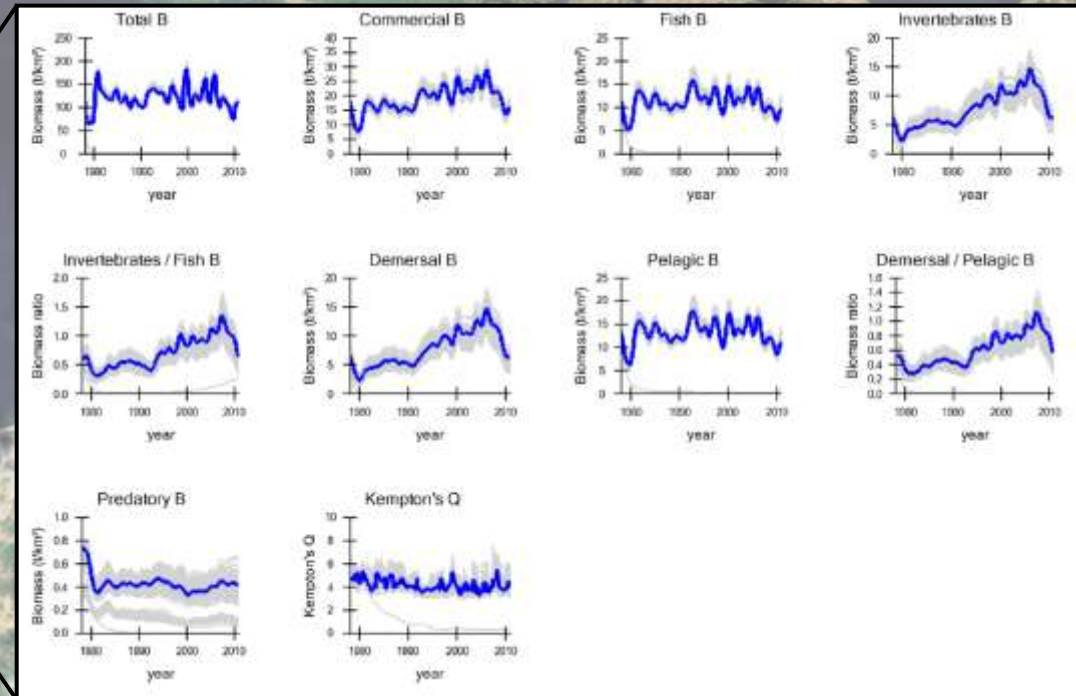
Mass-balanced  
snapshot



Ecosim



Temporal  
simulations



# Food Web of the Dutch Wadden Sea

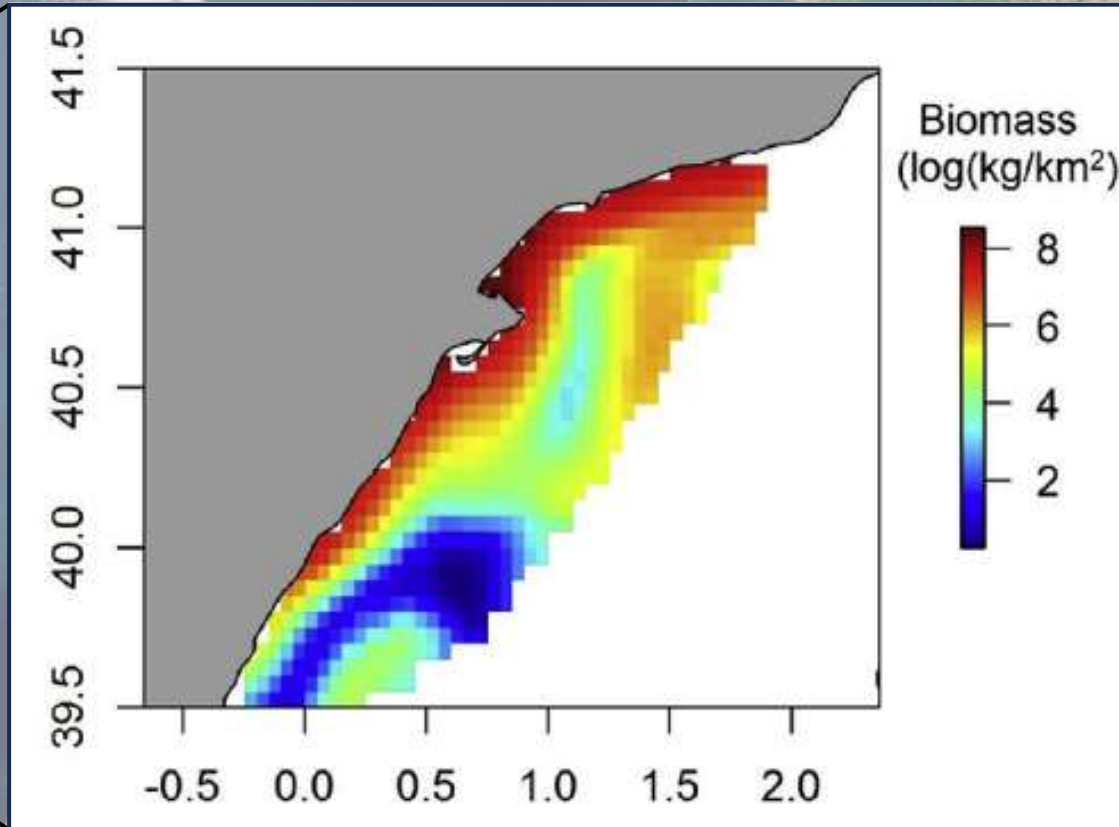


# Food Web of the Dutch Wadden Sea

Ecospace



Spatial-Temporal  
simulations



Ecopath



Mass-balanced  
snapshot

Ecosim



Temporal  
simulations

Ecospace



Spatial-Temporal  
simulations

1. Provide bioindicators best able to inform managers on past, present and future changes.
2. Help guide interventions that might restore some of the interactions and services already lost.
3. Examine coupling between changes in the North Sea and Wadden Sea (EwE tools will test similar scenarios in both areas in ACTNOW project).

Thank you for your attention!



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