JUNE 1 - 3 SKAGEN DENMARK

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Challenges for European Pelagic Fisheries





Challenges for European pelagic fisheries

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Prof. in theoretical marine ecology

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International Council for the Exploration of for the Exploration of the Sea (ICES)

ICES Advice on fishing opportunities, catch, and effort Greater North Sea ecoregion Published 29 May 2020





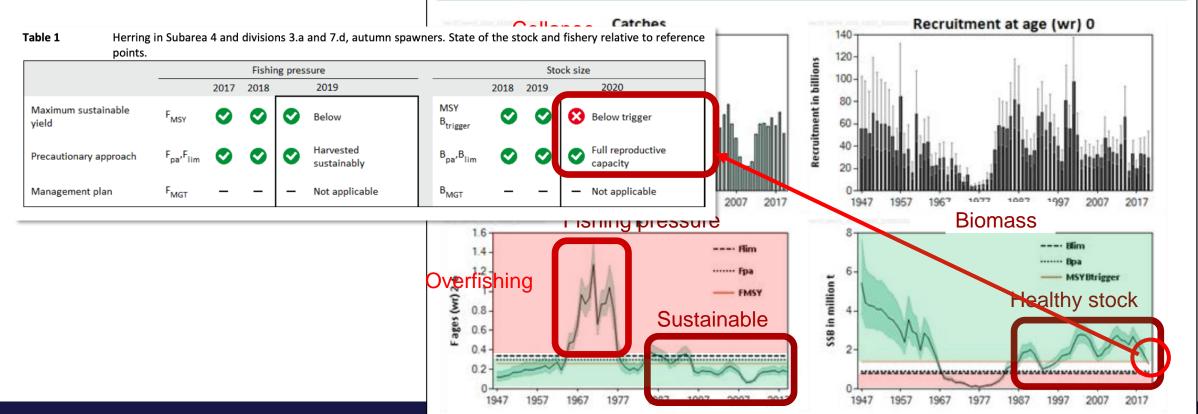
Herring (Clupea harengus) in Subarea 4 and divisions 3.a and 7.d, autumn spawners (North Sea, Skagerrak and Kattegat, eastern English Channel)

ICES advice on fishing opportunities

ICES advises that when the MSY approach is applied, catches in 2021 should be no more than 365 792 tonnes.

Note: This advice sheet is abbreviated due to the Covid 19 disruption. Last year's advice is attached as Annex 1.

Stock development over time

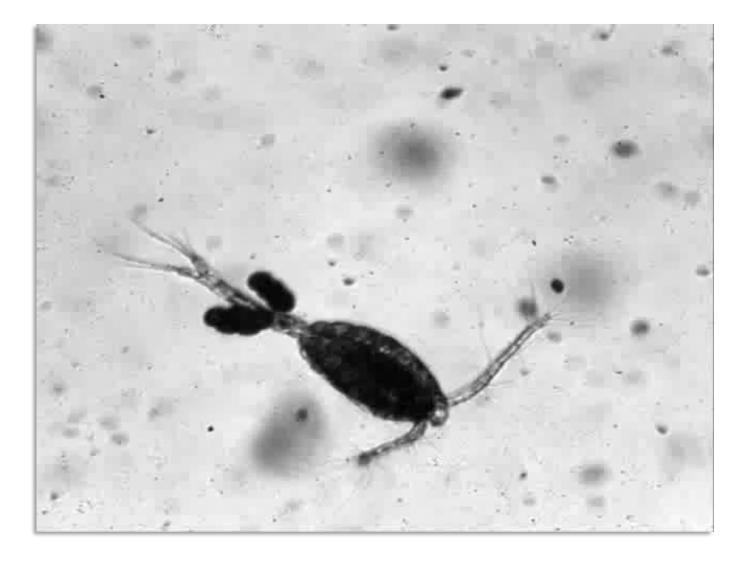






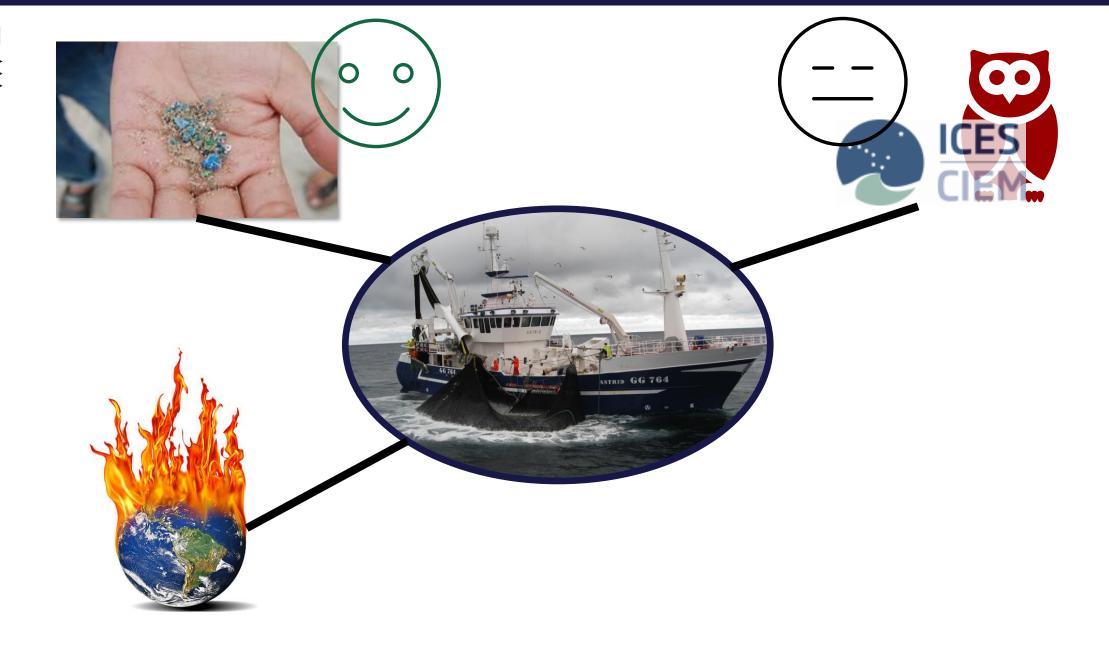






Xu et al.: Unpalatable Plastic: Efficient Taste Discrimination of Microplastics in Planktonic Copepods. Environmental Science and Technology (2022).



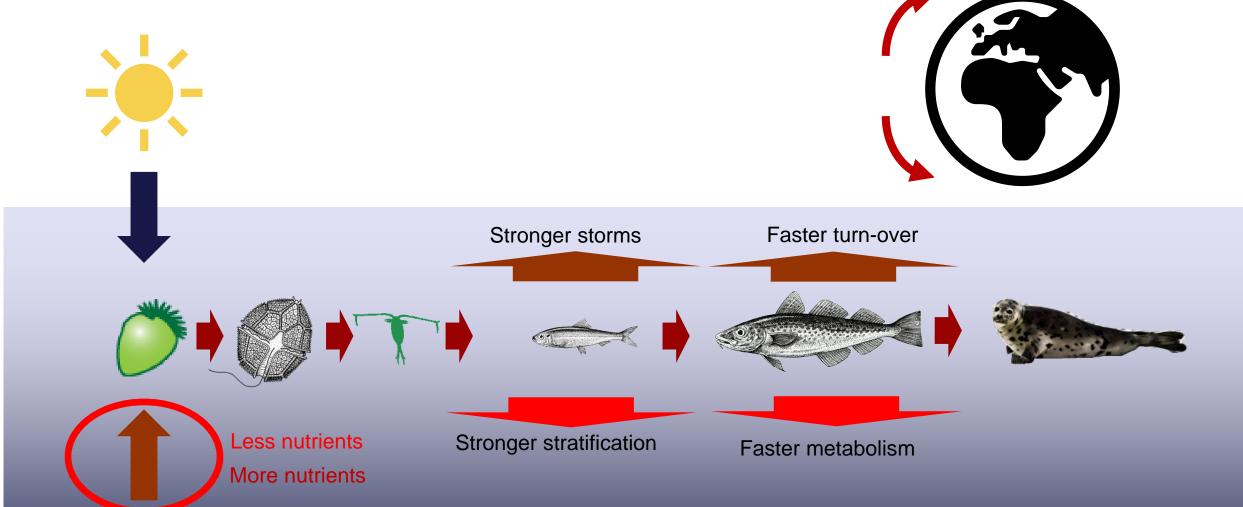




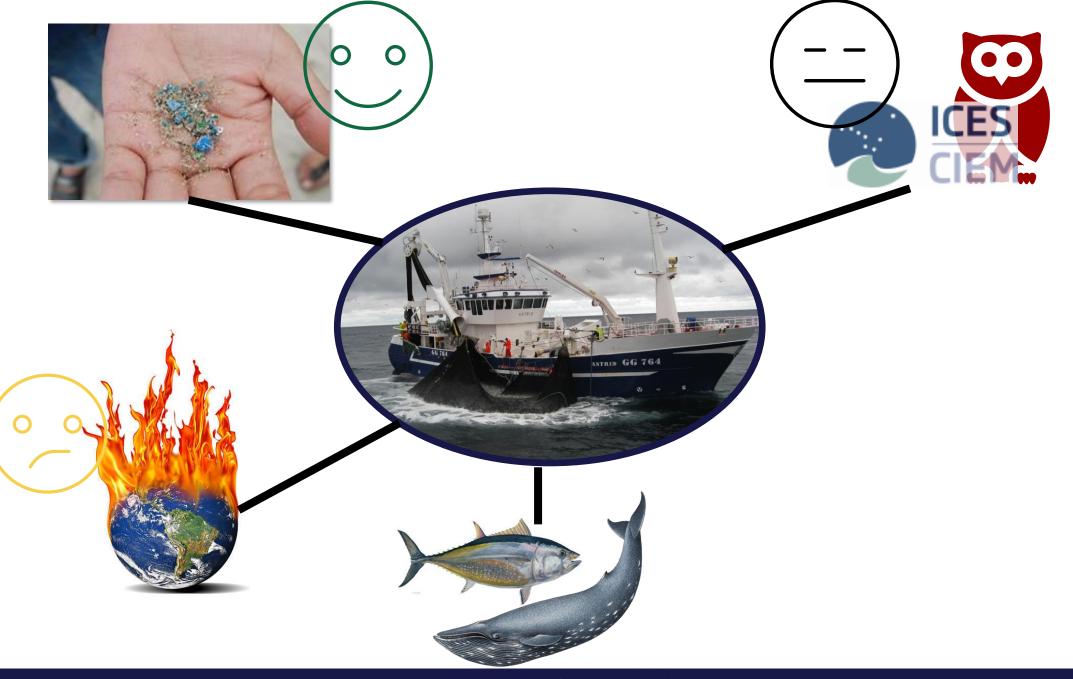
Nutrients

Climate change and fish

Fish on the move

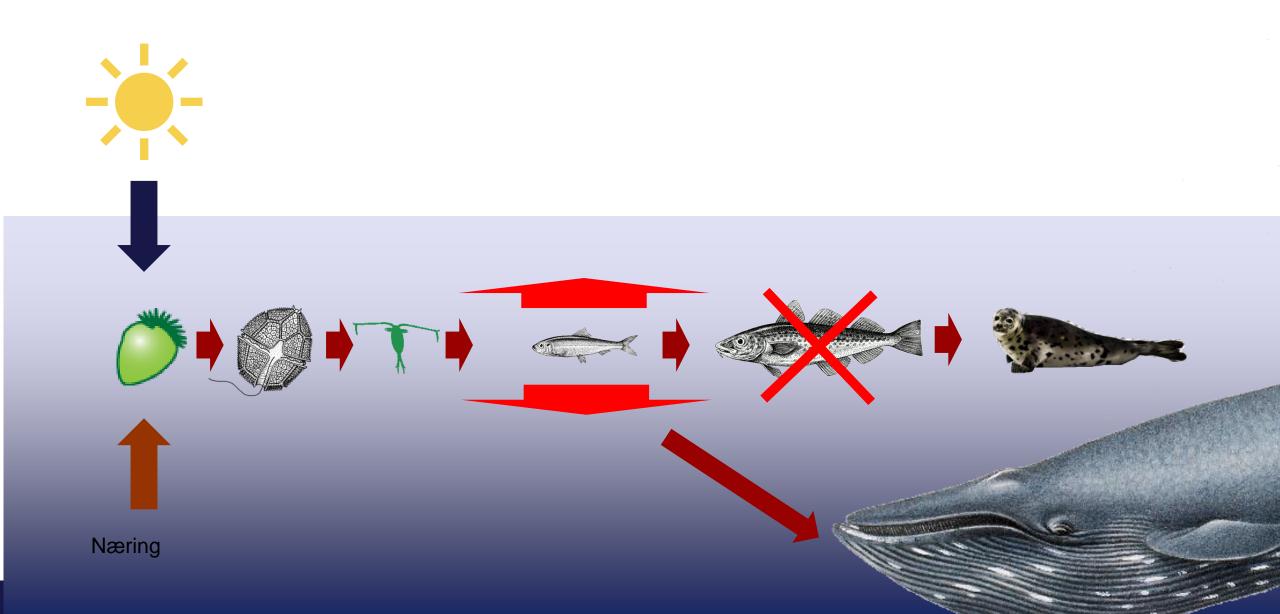




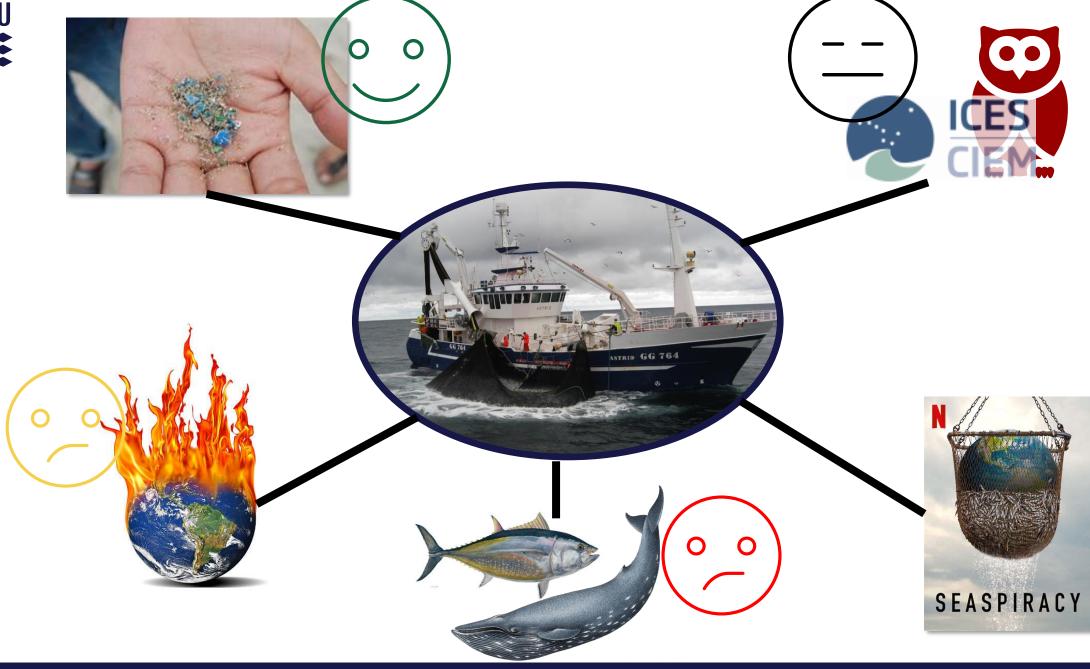




Predators on fish









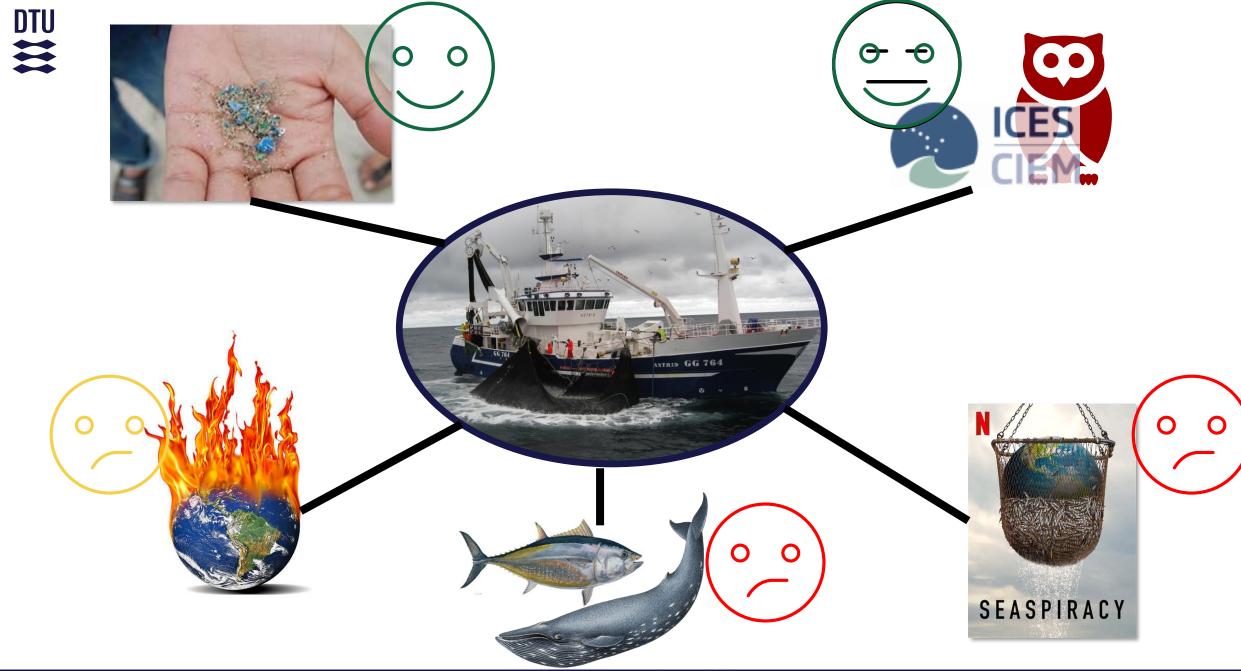
The battle for the story





25 May 2022 **DTU Aqua**

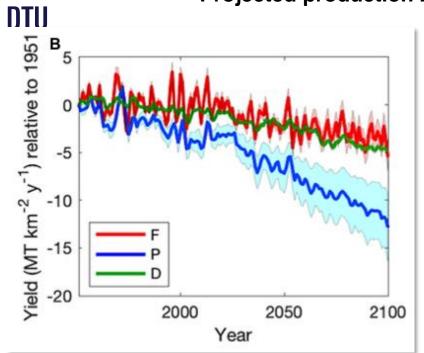




25 May 2022 DTU Aqua



Projected production 2051-2100 under high emissions scenario (RCP 8.5)



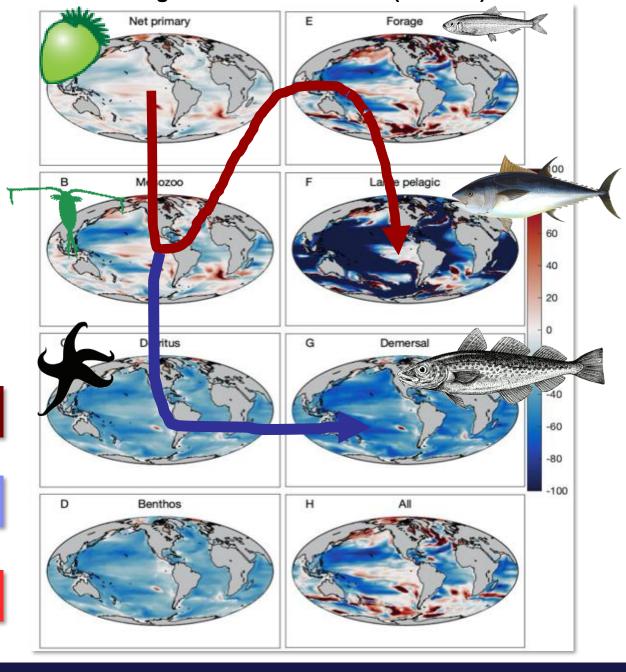
Trophic amplification



Reduced sea floor production



Pelagification



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Coffee Break

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