



Views from the fishmeal sector

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EUFISHMEAL



The association of European fishmeal and fish oil producers

- Denmark
- Faroe Islands
- Iceland
- Norway
- United Kingdom
- Ireland
- Germany
- France
- Spain

Total of 28 factories

www.eufishmeal.org

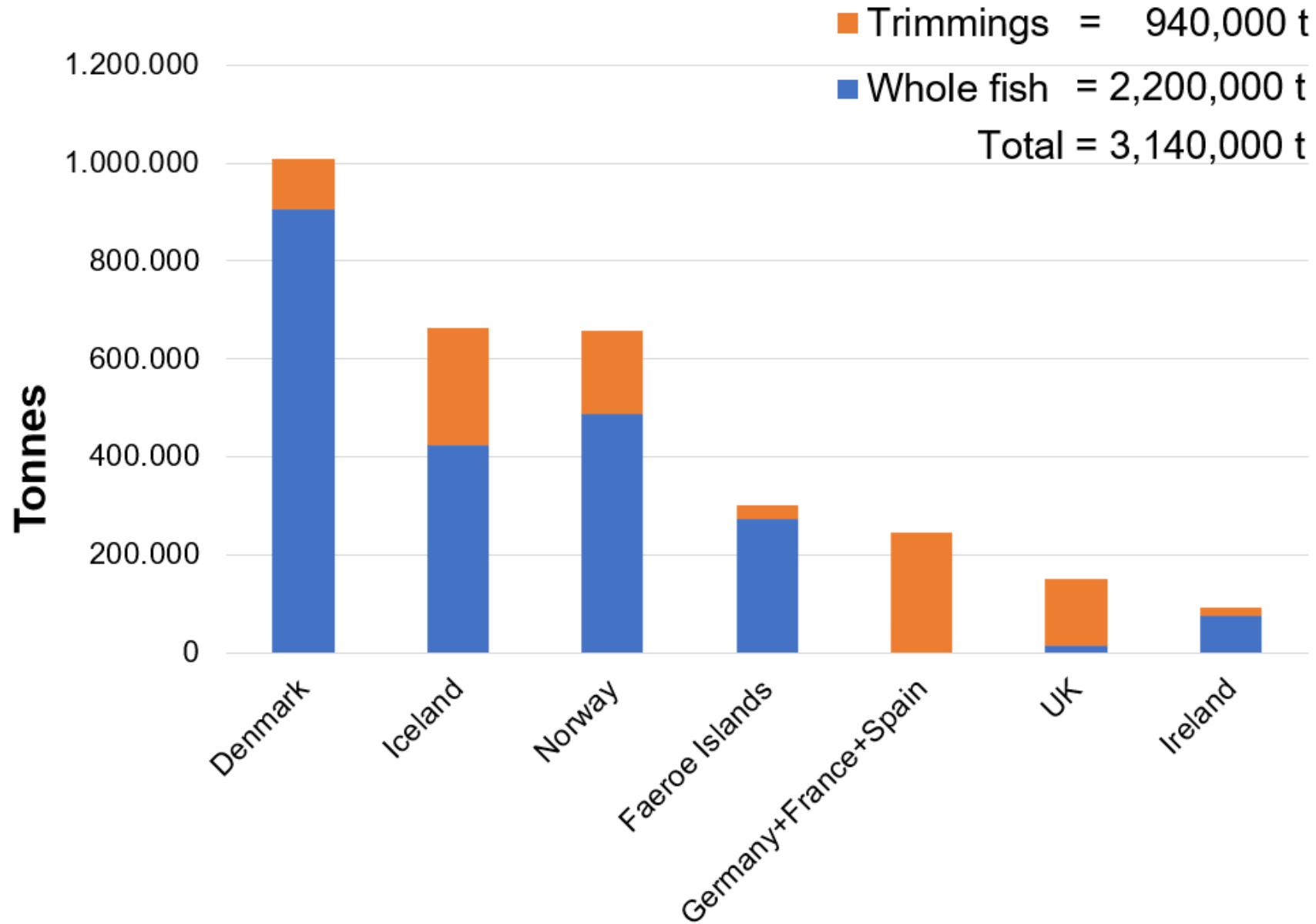


Raw material production capacity

Denmark	6,500 tonnes/day
Faroe Islands	2,400 tonnes/day
Iceland	10,700 tonnes/day
Norway	8,700 tonnes/day
UK	2,050 tonnes/day
Ireland	1,200 tonnes/day
Germany/France/Spain	1,400 tonnes/day

Total: 32,950 tonnes/day

Raw material received in 2018



European fishmeal and fish oil production

4 years average

590,000 tonnes of fishmeal

165,000 tonnes of fish oil

Total raw material received:

2.800.000 tonnes





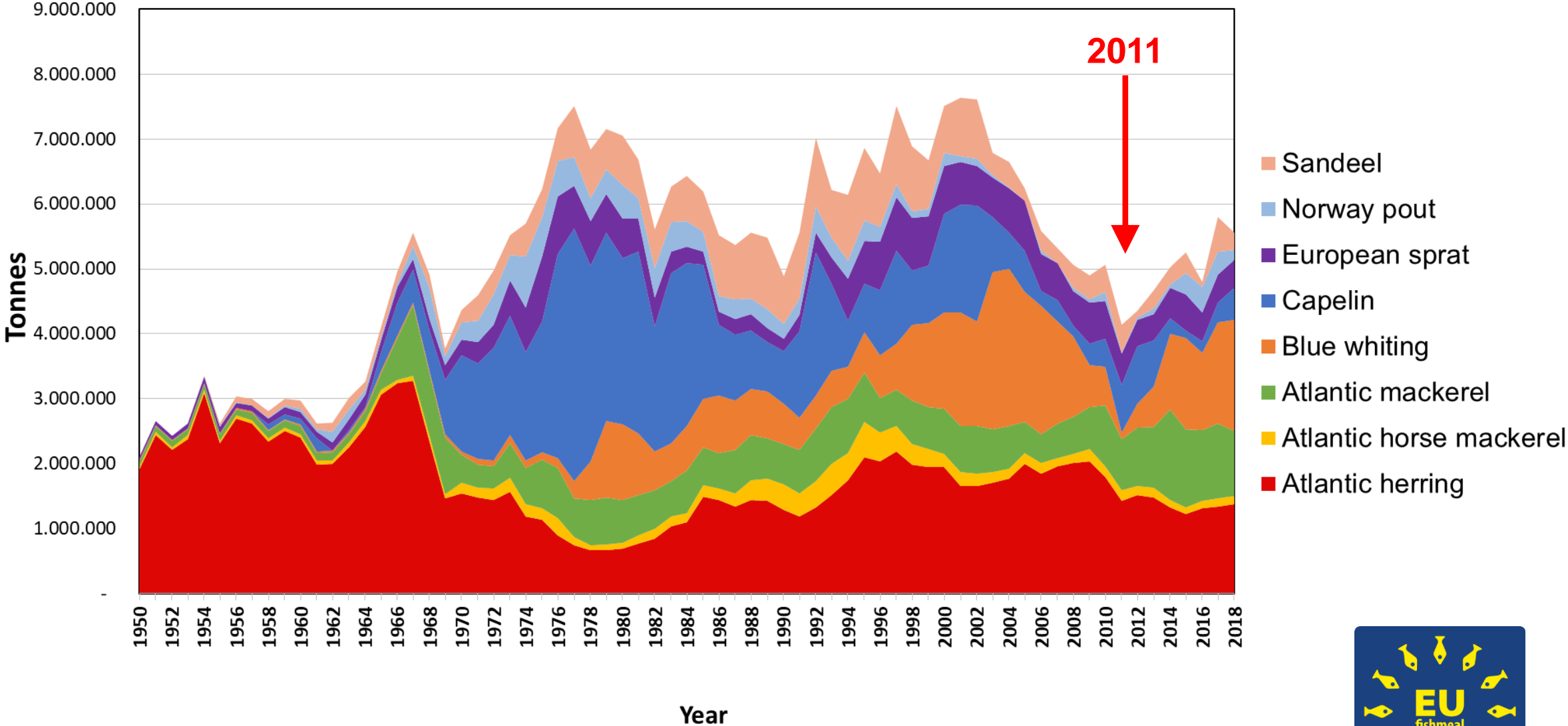
Downward trend in quotas - why

For the last 20 years we have seen a downward trend in the quotas in the North East Atlantic

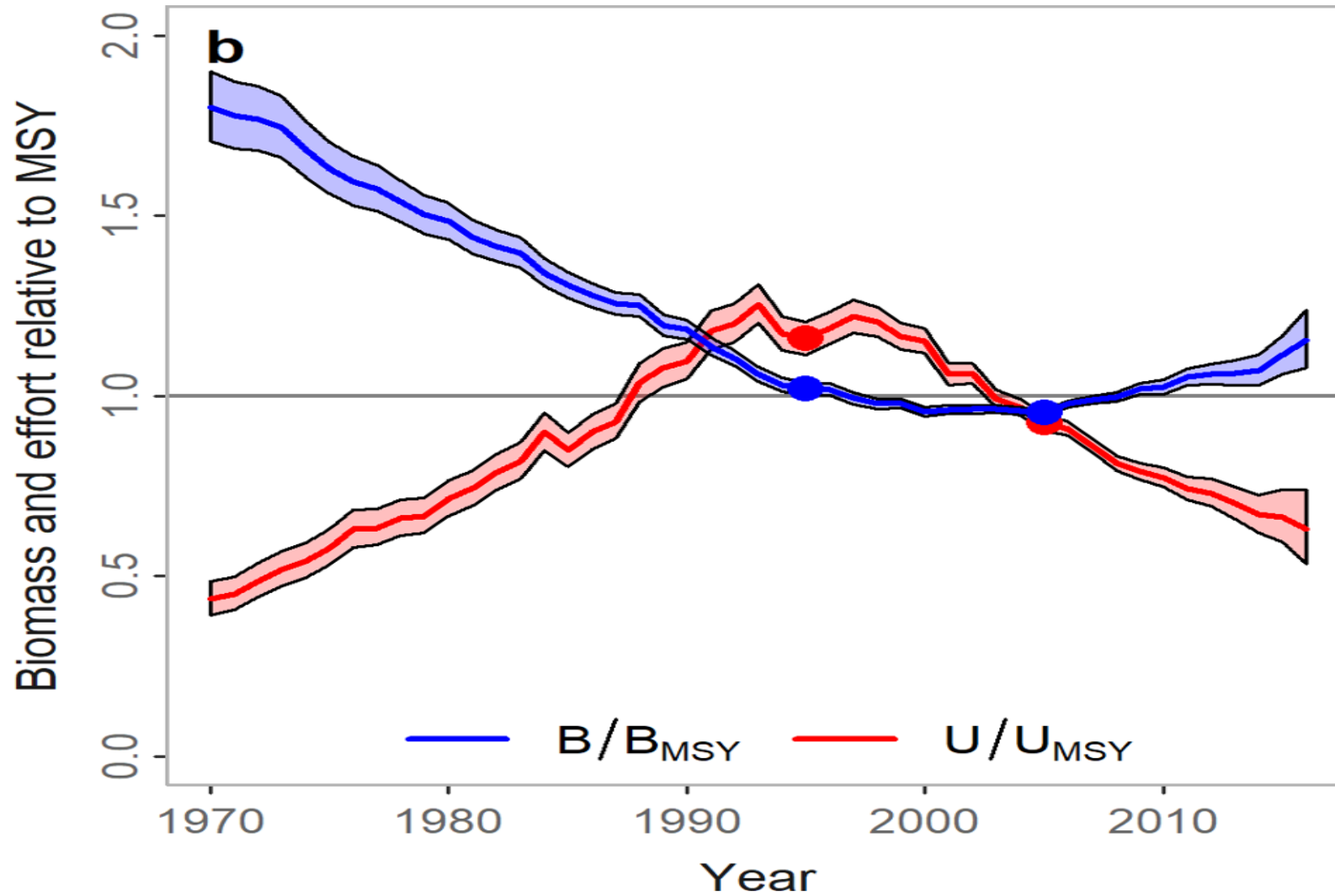
We also see very big fluctuations from year to year

Are we doing things the right way?

Pelagic catches, North East Atlantic 1950-2018

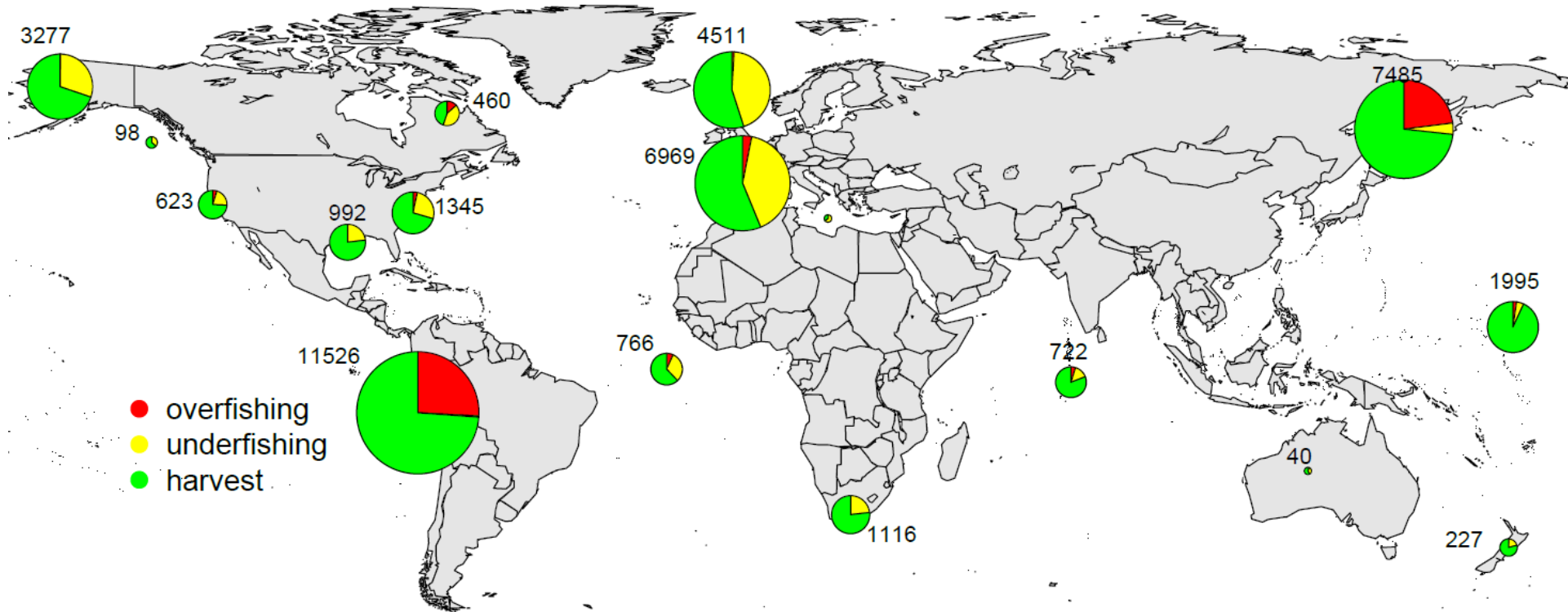


Trend in abundance and harvest rate



Yield lost by overfishing (red) and underfishing (yellow)

Forgone catch under a constant harvest rate scenario




From Hilborn and Costello 2017. Marine Policy. The potential for blue growth in marine fisheries yield, profit and abundance of fish in the ocean.



Underutilization of fish stocks with current ICES approach?

- Important new knowledge from the Fmsy-project
- Does the present approach by ICES give bias in the stock assessment – resulting in an underutilization of fish stocks and thus a loss of potential healthy and protein rich food?
- Current Fmsy values used by ICES are based on traditional single species consideration that ignores important aspects of ecosystem functioning in terms of density dependent population dynamics in growth, sexual maturity and mortality as well as species interactions.



Global fisheries catch can be increased after rebuilding of fish po

PROJECT: ECOSYSTEM BASED FM
IN FISHERIES MANAGEMENT

A need to take species interactions better into considerations in fisheries management

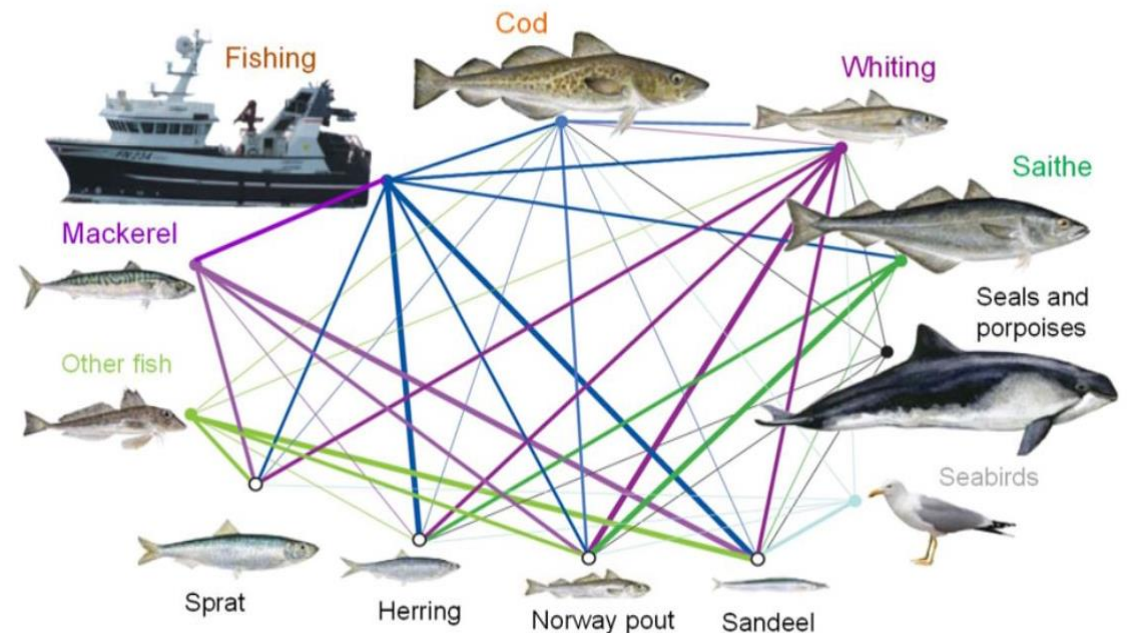


The Fmsy-project is the most comprehensive scientific study done so far on Fmsy values for Northeast Atlantic fish stocks

- without any bias known to science
- consistent with available science on ecosystem functioning and multispecies interactions
- based on a "clean" definition of the scientific concept of Fmsy, without any precautionary elements. Precautionarity will be dealt with when the Fmsy values are applied to management.

We recommend ICES to take this new study on board and get in a serious dialogue with stakeholders on how to implement in advisory process.

The sooner the better!



Rindorf, A. et al. (2013). A Framework for Multispecies Assessment and Management. Nordic Council of Ministers, TemaNord; No. 2013:550



Thank you