

JUNE 1 - 3
SKAGEN
DENMARK

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**How Can Industry Contribute to Improve
Scientific Advice and Fisheries
Management?**





DPPO
Danmarks Pelagiske
Producentorganisation



HOW CAN INDUSTRY CONTRIBUTE TO IMPROVE SCIENTIFIC ADVICE AND FISHERIES MANAGEMENT?

Claus R. Sparrevohn,
DPPO, Denmark

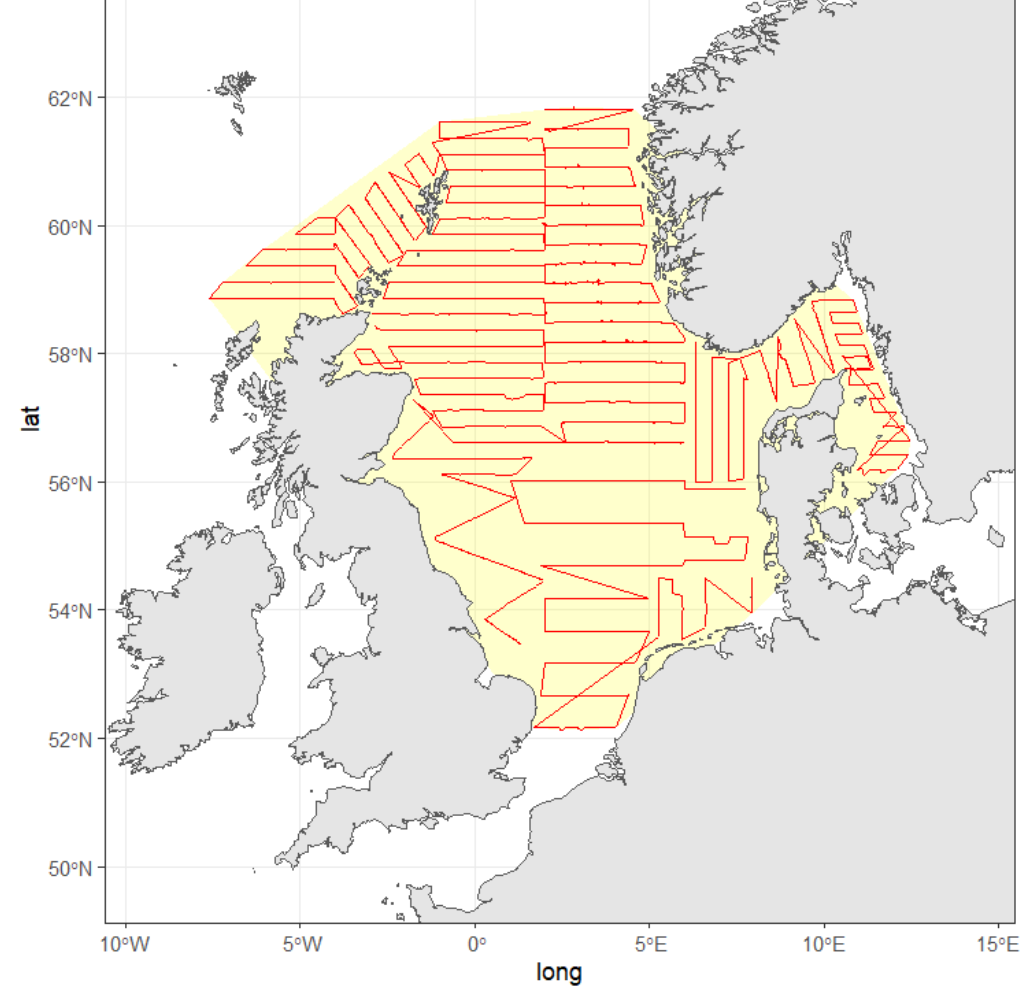
- 1. Improving data:** engaging in data collection, self-sampling and re-estimating historical catch data and “fishermen” knowledge,
- 2. Rules of engagement:** conflicts, roles, pitfalls



Agenda

- For exemple HERAS survey

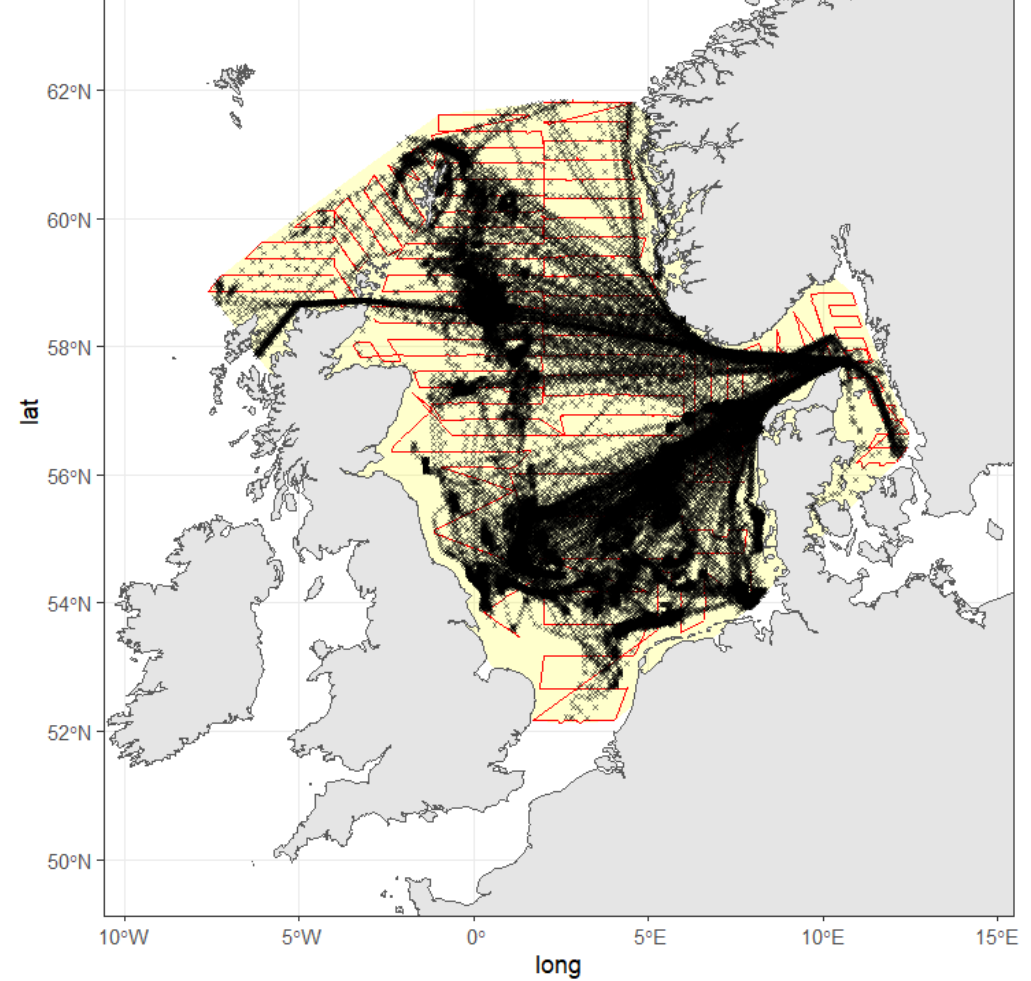
- Biomass measurement of pelagics in NS
- 6 countries involved
- done in June-July
- Crica **10,000 nmi** of acoustic transect



Selfsampling

- Industri trawlers

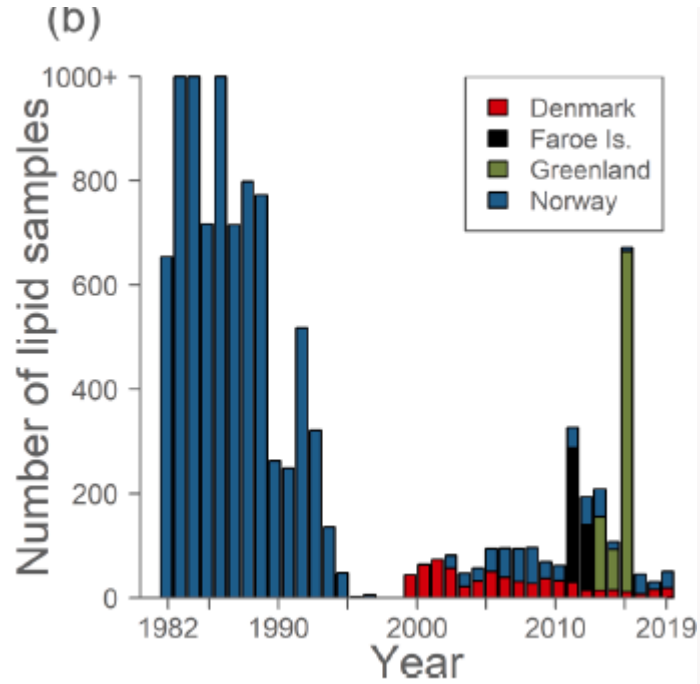
- Crica **290,000 nmi** of acoustic transect



Selfsampling

Bioenergetics of egg production in Northeast Atlantic mackerel changes the perception of fecundity type and annual trends in spawning stock biomass

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ICES WGWIDE REPORT 2014

ICES ADVISORY COMMITTEE

ICES CM 2014/ACOM:15

REF. ACOM

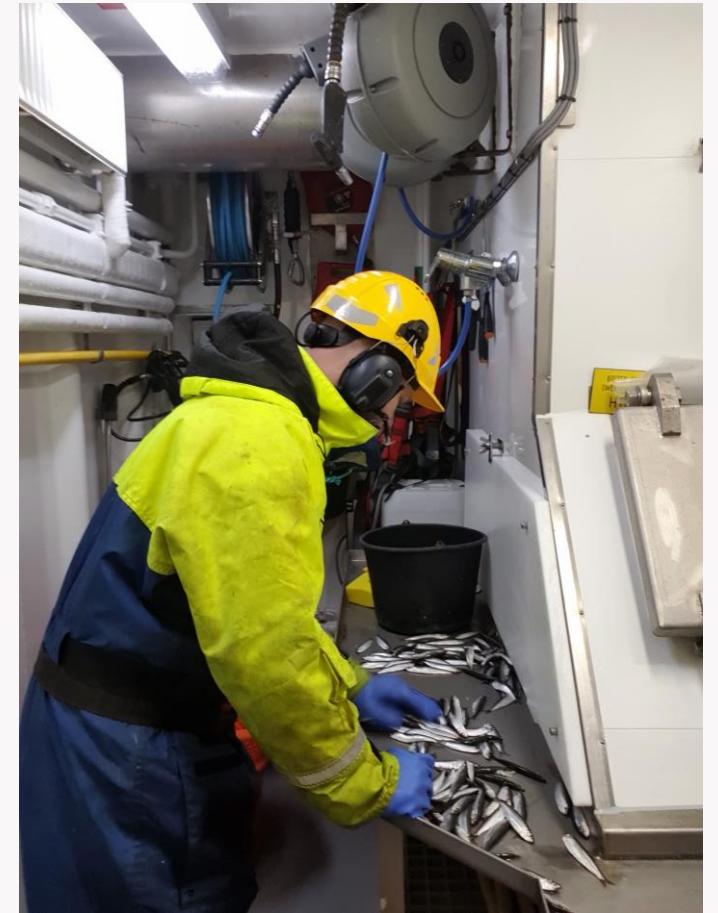
Report of the Report of the Working Group on Widely Distributed Stocks (WGWIDE)

Table 1. Estimated ranges of misreporting during the four time periods considered.

Period	Year Range	Misreporting Factor	
		Lower bound	Upper bound
Klondyking	1972 – 1989	1.7	3.6
Japanese market highgrading	1990 – 2000	1.7	2.5
Uncontrolled IUU	2001 – 2005	1.1	1.7
'Golden age'	2006- 2011	1	1.1

Correcting historical data

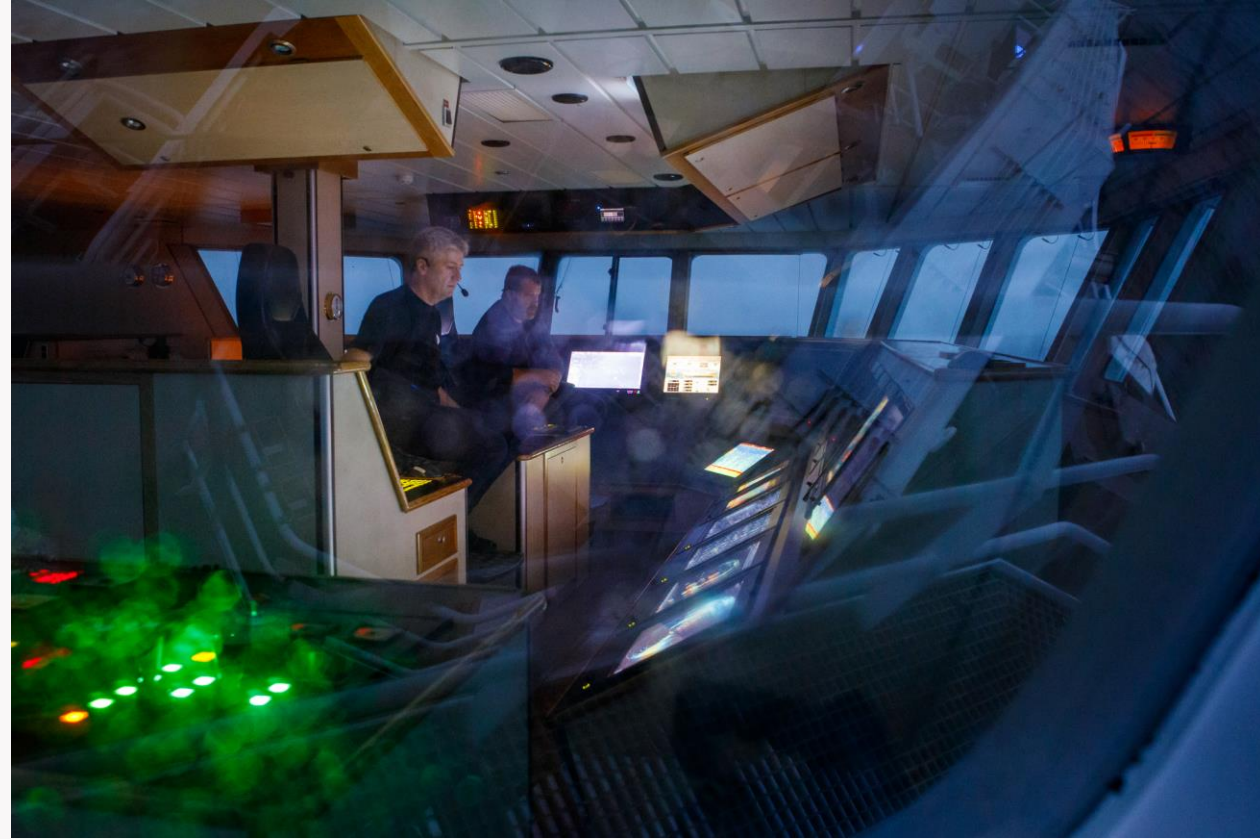
- Catch sampling,
- Length/weight measurements,
- Sensors on vessels,
- Catch rates,
- Gear development,
- Catch composition information.



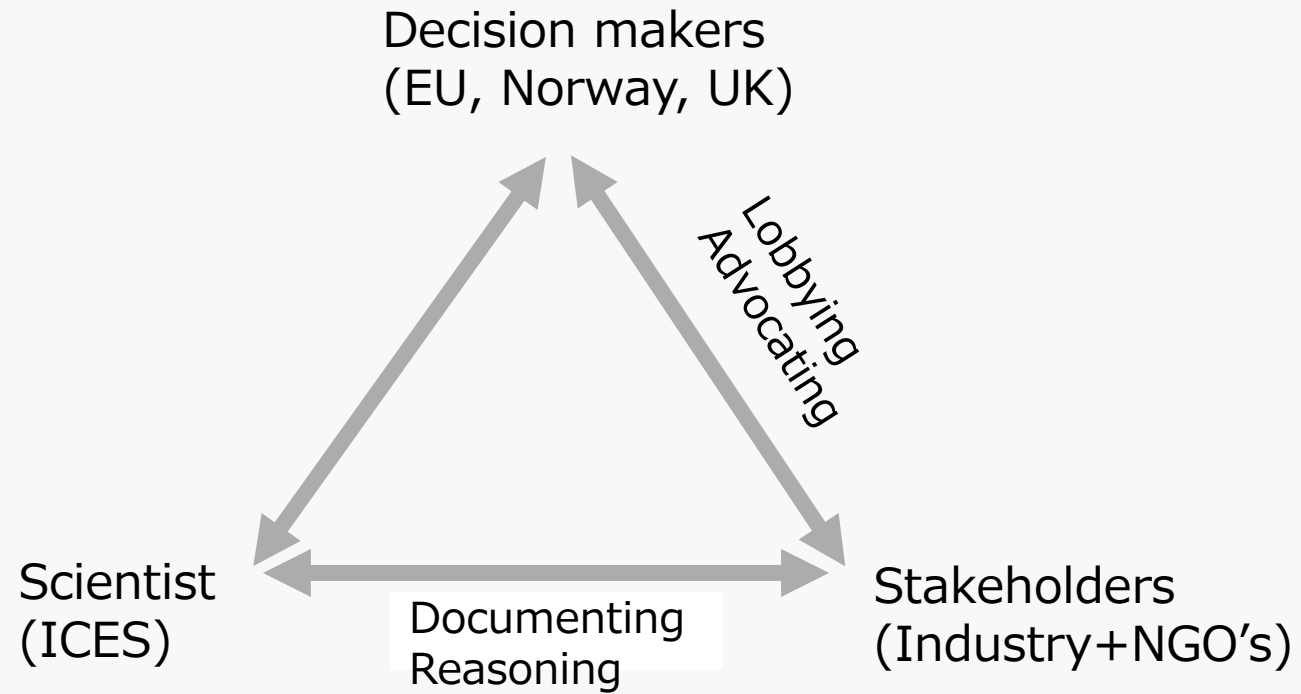
More examples

How do we secure fruitful cooperation between scientists and industry?

- Transparency,
- Unbiased,
- Respect,
- Communication,
- All are stakeholders.



Rules of engagement



Food for thoughts



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TRIPLEX

TRIPLEX

SWL 3.0T 12-12.0M
SWL 1.5T 10-11.0M

ISAER