

The EU-Norway management plan for North Sea haddock

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Outline



- History and modifications
- Structure
- Evaluations
- Success or failure?



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Structure



- Target F = 0.3
 - But sliding F rule if biomass low
- Constraint (± 15%) on interannual quota variation
 - If biomass greater than Bpa
- Banking and borrowing
 - ±10% maximum.
 - Stock must be predicted to remain above B_{pa} .
 - Quota banked for next year, or borrowed from next year, is not available for subsequent banking or borrowing.



Spawning stock biomass B (kt)

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Structure



Evaluations

- Three distinct evaluation phases:
 - Original plan
 - Revised plan
 - Banking and borrowing
- Extensive analyses:
 - Around 20 meetings
 - 5 papers
 - 1 poster
 - 11 presentations



Evaluations



• Plan conclusions:

- "It provides a low risk of biomass being below the limit reference point, along with stability in quotas that will benefit the fishing industry and related economies." (Needle 2008)
- Banking and borrowing conclusions:
 - "it is very unlikely that any permitted sequence of banking-and-borrowing would have any deleterious effect on the future sustainability of the North Sea haddock stock." (ICES 2008)



Success or failure?

