

Carbon emissions in the seafood value chain - Greenhouse gas emissions of Norwegian seafood products

North Atlantic Seafood Forum

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Greenhouse gas emissions of Norwegian seafood products in 2017

Authors

Ulf Winther (SINTEF Ocean) Erik Skontorp Hognes (Asplan Viak AS) Sepideh Jafarzadeh (SINTEF Ocean) Friederike Ziegler (RISE Research Institutes of Sweden)

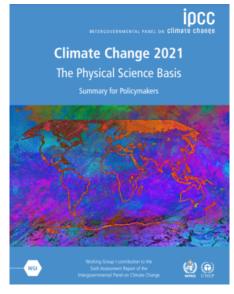


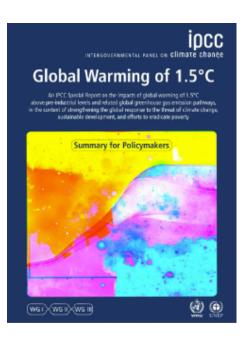
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The challenge

- The damaging effects of 1.5 degrees global warming are dramatically less than a 2 degrees warming
- To limit global warming to 1.5 degrees, it is necessary to remove CO2 from the atmosphere and the ocean in addition to reducing emissions
- Food production is estimated to emit between 20–30 % of global anthropogenic carbon emissions



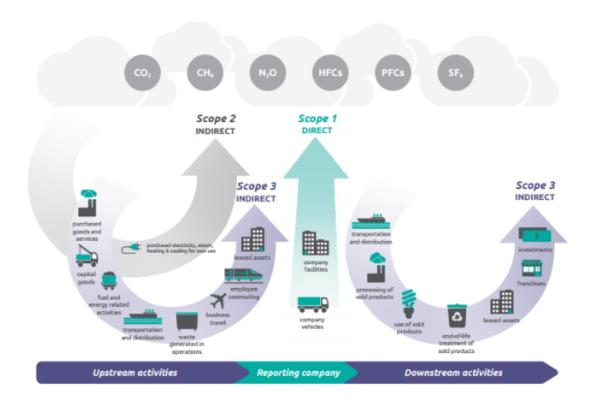






What is climate accounting?

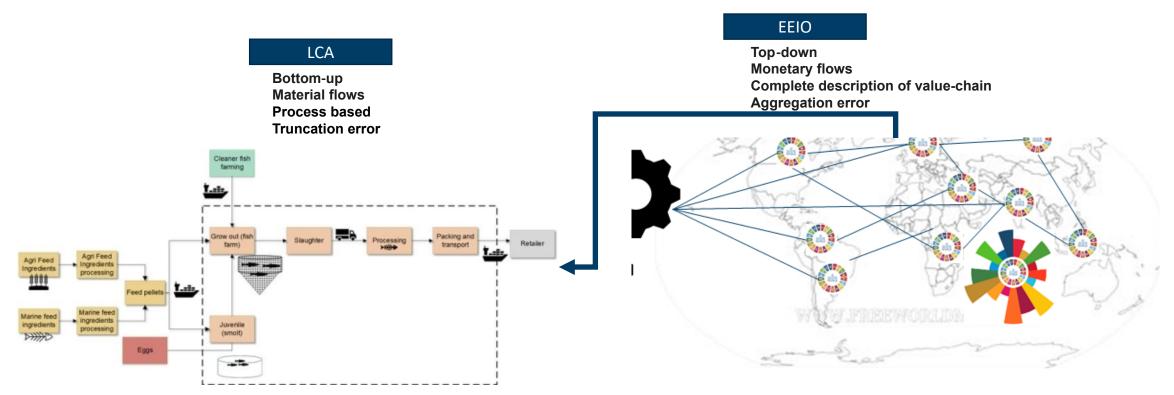
- Clarification of concepts: Climate trace, climate accounts, carbon footprint, GHG assessment, LCA...
- Common to them all: A transparent accounting of consumption and activities that cause greenhouse gas emissions and other climate impacts.
- Climate accounts and climate tracks prepare accounts for the DIRECT and INDIRECT climate impact (Scope 1,2 and 3)
- The methodology used in making complete climate accounts / tracks - LCA (life cycle analysis) or EEIO (Environmentally extended input—output analysis)





Two Methods to cover GHG emission from the value-chain:

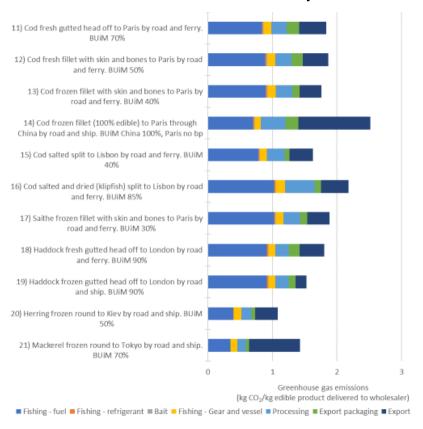
- 1.) Lifle cycle assessment (LCA)
- 2.) Environmental extended input—output analysis (EEIO)



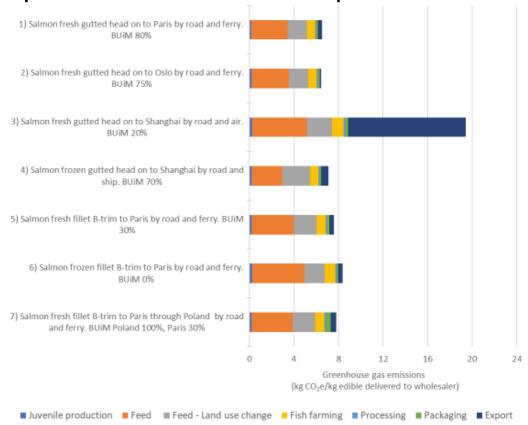


Different seafood value-chains - different hot spots...

Fisheries – fuel and export



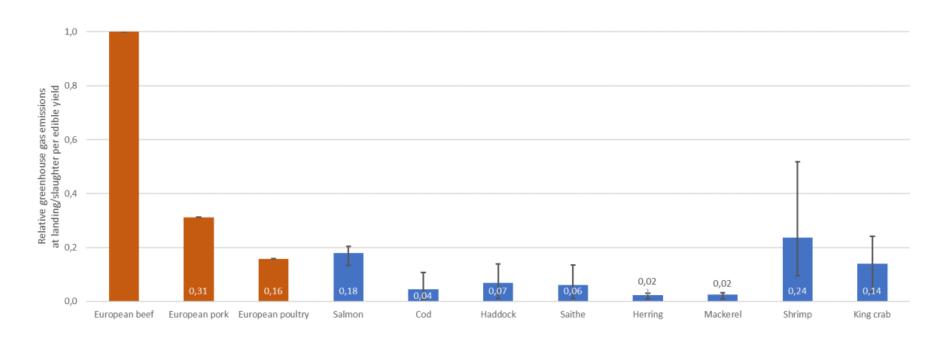
Aquaculture – feed and export





Benchmarking – over time and with comparable food products

- The footprint should be updated every 2 to 3 years can then see how different measures work benchmark over time
- Easier to this analysis in 2022 as more and more companies make their own reports
- These reports are important for the industry to be able to position themselves in the green economy New report available in November 2022!





How to include climate accounting at the company level?

- www.MoreScope.com
- Integrated in the accounting system
- Calculates emissions of all economic transactions within the company (Scope 1-2-3)
- We need both customers and investors to further develop MoreScope!

