

The progress of ocean accounting in Norway

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Introduction

- International progress
 - The Ocean Panel
 - SEEA EA
- National initiatives
 - Ocean satellite accounts
 - Pilot on marine ecosystem accounts
 - Research projects
- International cooperation

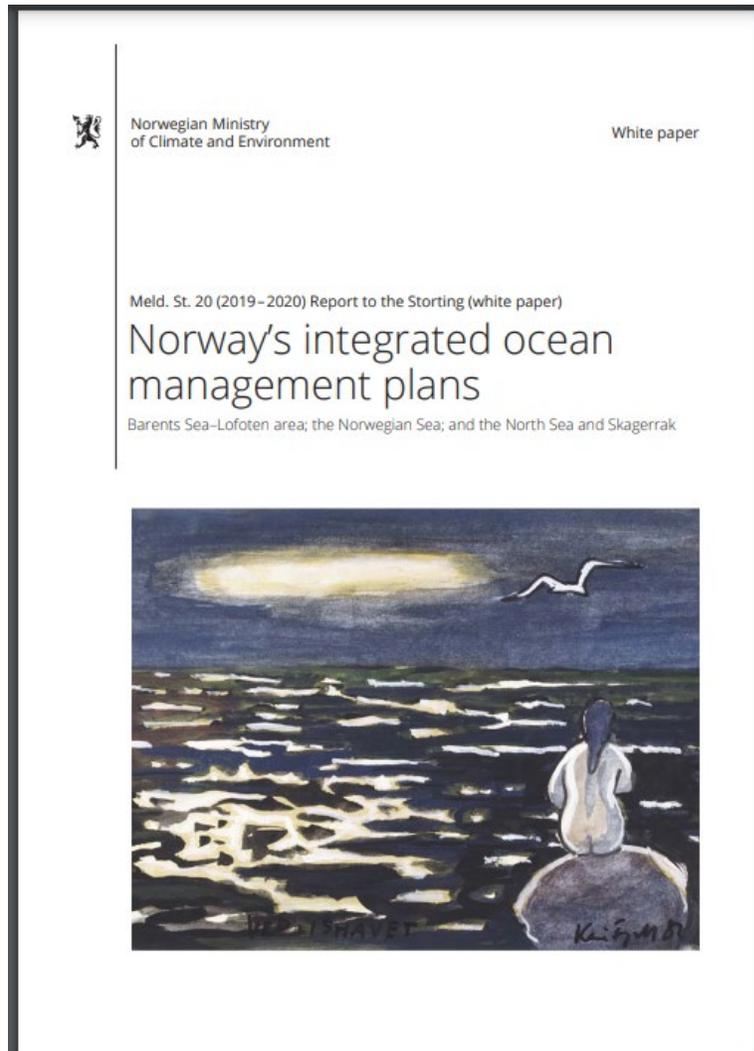


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Norway's goals for integrated ocean management



- **Value creation, industries and society from the ecosystems**
 - Four sectors: seafood, petroleum, shipping and tourism
- **Biodiversity and ecosystems**
 - Sustainable harvesting of ocean resources
 - Management of species and habitats
 - Management of particularly valuable and vulnerable areas
 - Climate change and ocean acidification
- **Pollution, waste and risk of acute pollution**
 - Marine waste
 - Chemicals and radioactive substances that are hazardous to health and the environment
 - Risk of acute pollution

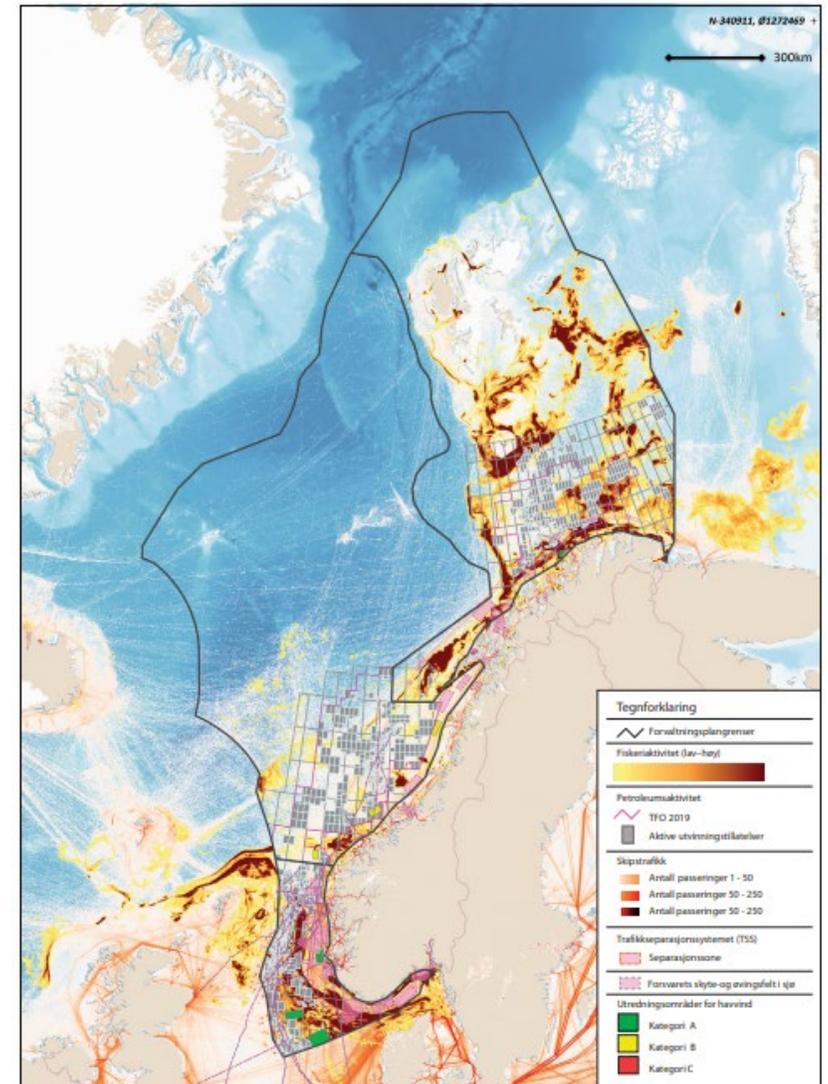
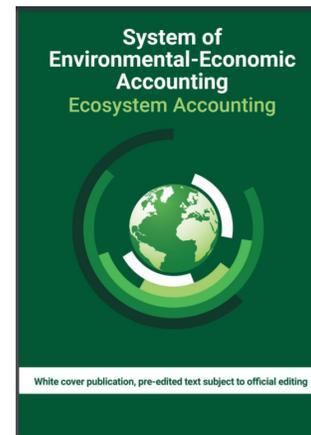
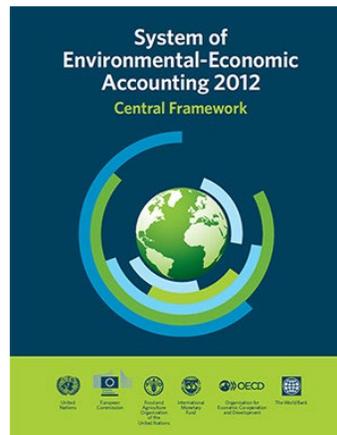
Previously; data on ocean related sectors from the national accounts

- Part of the basis for the ocean management plans
- **Four sectors:** Fisheries and seafood, Petroleum activities, Maritime transport, Tourism
- Figures from the **national accounts** on value added and employment, 2010 and 2016
- Divided between the marine areas - **regional accounts**
- 2020 – The first management plan for the entire ocean
- 2022: Pilot ocean satellite account – replaces the previous data
 - No subdivision into marine areas



Ocean accounting

- A relatively new topic for the Norwegian administration
- Ocean accounts can help to highlight the consequences of previous choices and identify positive and negative trends, which can provide a better basis for future decisions.
- A complete overview of the entire ocean areas
- Meet the need for knowledge-based and complete marine **management**
- The High Level Panel for a sustainable ocean economy
- Use of an **accounting framework**



Figur 7.1 Samlede aktiviteter i havområdene.

Kilder: Fiskeridirektoratet, Kystverket, Miljødirektoratet, Norges vassdrags- og energidirektorat, Oljedirektoratet/Arealverktøyet. Bakgrunnskart til Arealverktøyet: GEBCO og Kartverket



Pilot on marine ecosystem accounting

A pilot will provide increased knowledge about how parts of a Norwegian ocean account can look in practice and what types of management needs it can help to cover and will help to reveal what we have and do not have of the necessary data and knowledge. Furthermore, it will contribute to building up capacity and expertise in ocean accounting in Norway. This will make Norway better able to contribute to and influence the development of international standards.

- The Norwegian Environment Agency

- Alternatives for geographical areas to perform a pilot on marine ecosystem accounting
- Yet to be decided on how the set-up will be and how comprehensive the pilot will be.



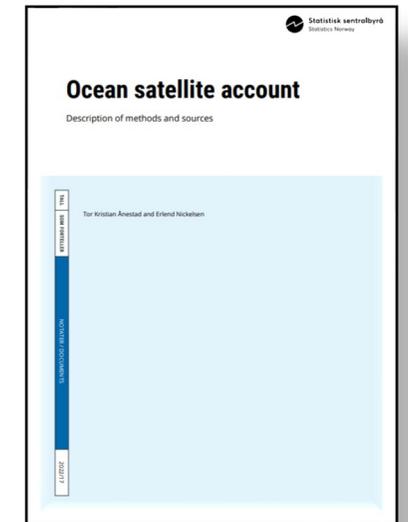
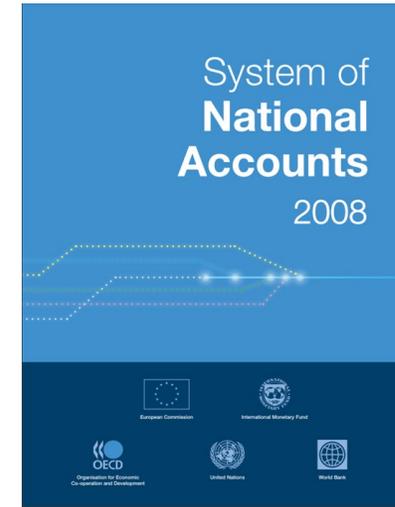
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Ocean satellite accounts

- Pilot co-financed with the research council
- Used the OECD's definition of economic activities related to the ocean
- Based on data from SUT and other data sources
- [Description of methods and sources](#)

The satellite accounts will hopefully be an important contribution to a unified ocean account, where the goal is that it will be compatible with both the national accounts and with the ocean ecosystem accounts when these are established.

- Statistics Norway



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Research projects



- MARine Ecosystem Accounting (MAREA) for integrated coastal planning in the Oslofjord (2021-2025)
<https://www.niva.no/en/projectweb/marea>
- Values in the Oslofjord - Economic values associated with ecosystem services from the fjord and the coastal zone (2019)
<https://niva.brage.unit.no/niva-xmlui/handle/11250/2627097>



International cooperation

- Membership in Global Ocean Accounts Partnership (**GOAP**)
- **Ocean for Development Programme** - peer-to-peer learning on ocean accounting with Indonesia. Part of a five-year cooperation (2022 - 2028)

Future plans

- Further development of the ocean satellite accounts
- Continue the international cooperations
- Develop a pilot on marine ecosystem accounting



Thank you!

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