Ecosystem accounting towards policy use in Norway

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Ecosystem accounting in Norway

- Ecosystem Extent Accounts: the Ecosystem extent map was published in December 2023 and will be updated in 2024 to meet all the Eurostat requirements.
- Ecosystem Condition Accounts: these accounts are under development. Preliminary indicators exist; they need to be updated more frequently to follow EU regulation.
- Ecosystem Services Accounts: physical accounts are under development for the 7 ecosystem services relevant for the EU regulation, plus recreation. A systematic review of existing studies on monetary valuation has been carried out for the monetary accounts.

Ecosystem Extent Map The Norwegian **Ecosystem Extent map** was developed by the Norwegian **Environment Agency** and NIBIO The Norwegian ecosystem extent map is a combination of existing maps. As these maps follow other criteria than the km2 Code, name of ecosystem Eurostat typology, the **01** Settlements and other artificial areas 3 294 1.0 ecosystem categories have been adjusted to the Norwegian **02** Cropland 10 641 3.3 context 03 Grassland 1 740 0.5 **04** Forest and woodlands 131 520 40.6 **05** Heathlands and shrub 62 639 19.4 **06** Sparsely vegetated ecosystems 76 688 23.7 **07** Inland wetlands 17 554 5.4 **08** Rivers and canals 1 136 0.4 **09** Lakes and reservoirs 17 344 10 Marine inlets & transnational waters 5.4 11 Coastal beaches, dunes and wetlands 1 073 0.3 **12** Marine ecosystems 933 333

Ecosystem condition accounts

 The ecosystem condition accounts are developed based on the System for Ecosystem Condition Assessment and on the Nature Index.

Existing data

for ecological

conditions

Evaluation

0.68

0.70

0.68

0.74

0.76

0.81

0.44

0.51

Source: The Norwegian Environment Agency, 2023

On a scale from 0-1, where 0 is a severely degraded ecosystem and 1 is an

intact ecosystem. The threshold for good conditions is 0.6.

Ecosystem

Mountains

Forest

Ocean

Wetland

Open Lowland

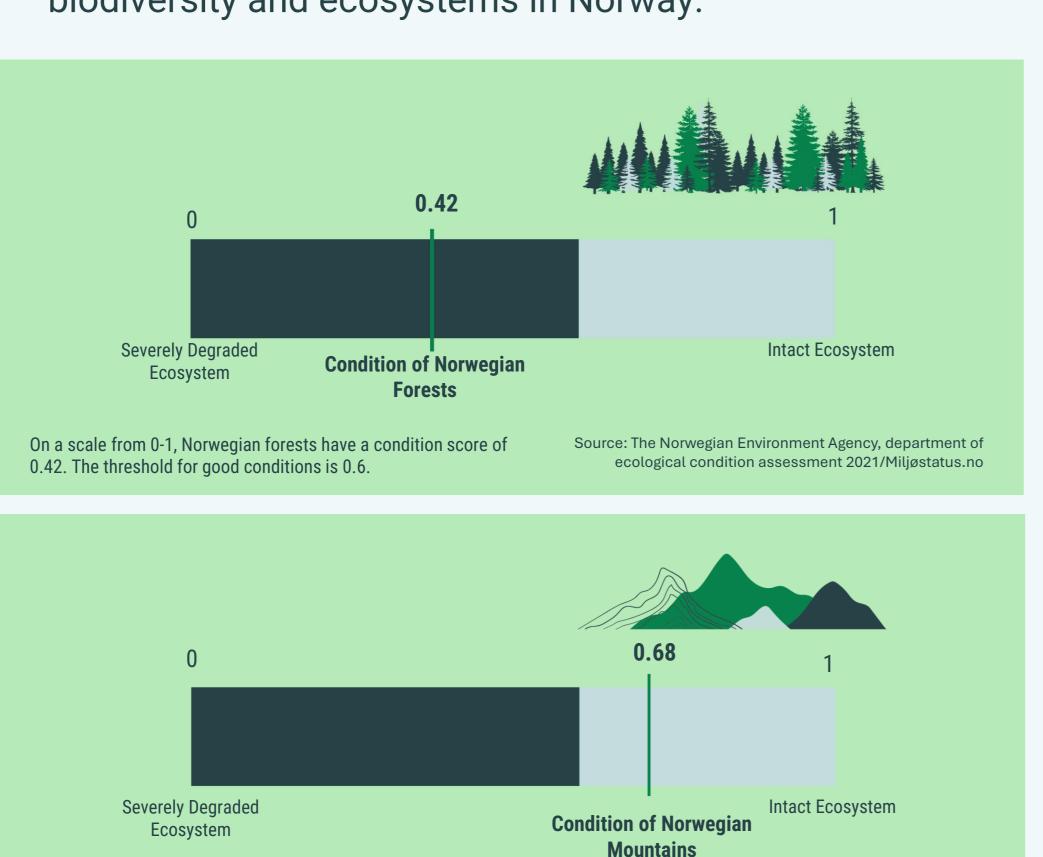
Freshwater

Costal water

Lake

River

• The Nature Index, updated every 5th year, combines 260 indicators to measure the condition and development of biodiversity and ecosystems in Norway.



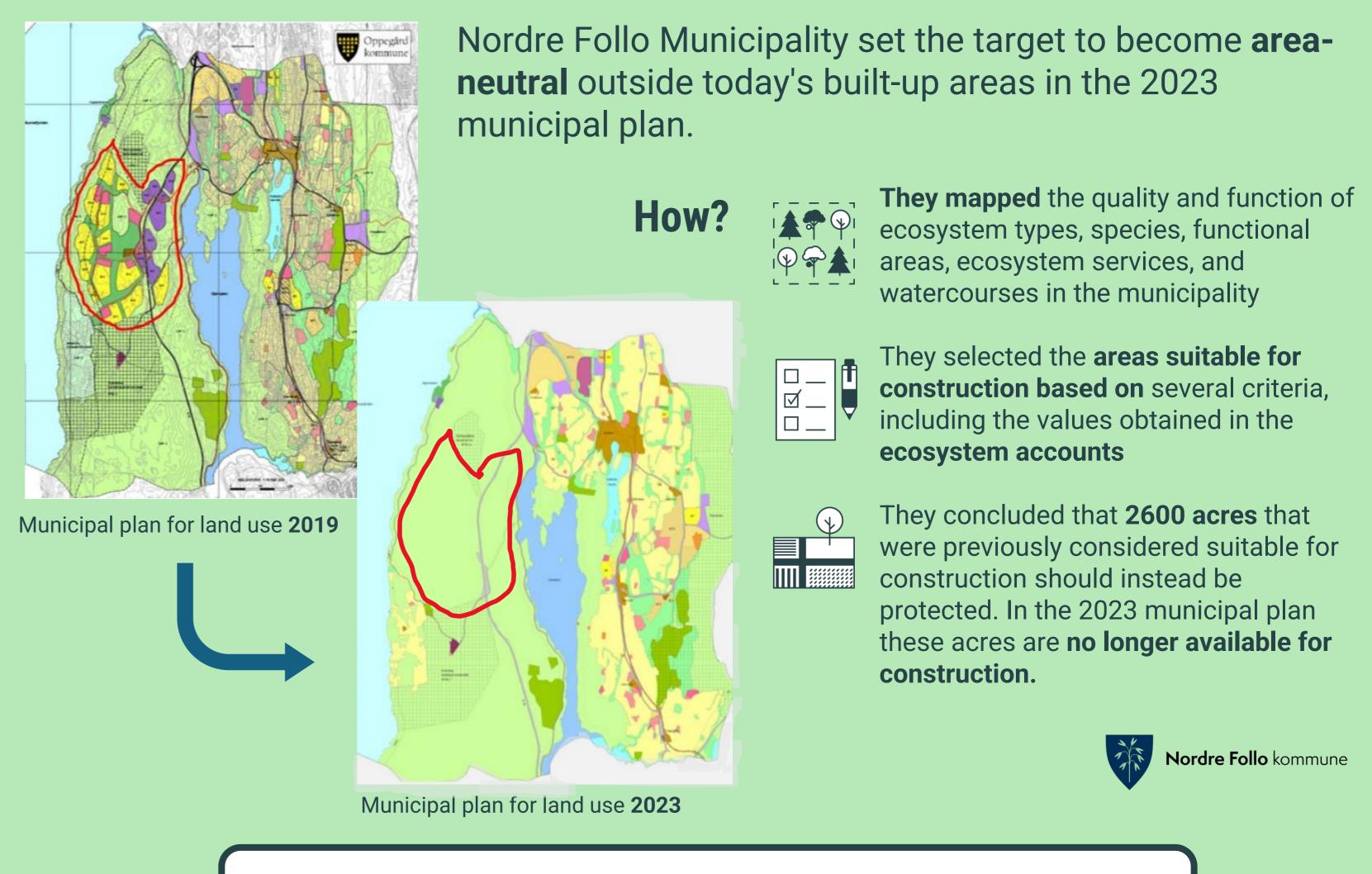
Source: The Norwegian Environment Agency, department of

ecological condition assessment 2021/Miljøstatus.no

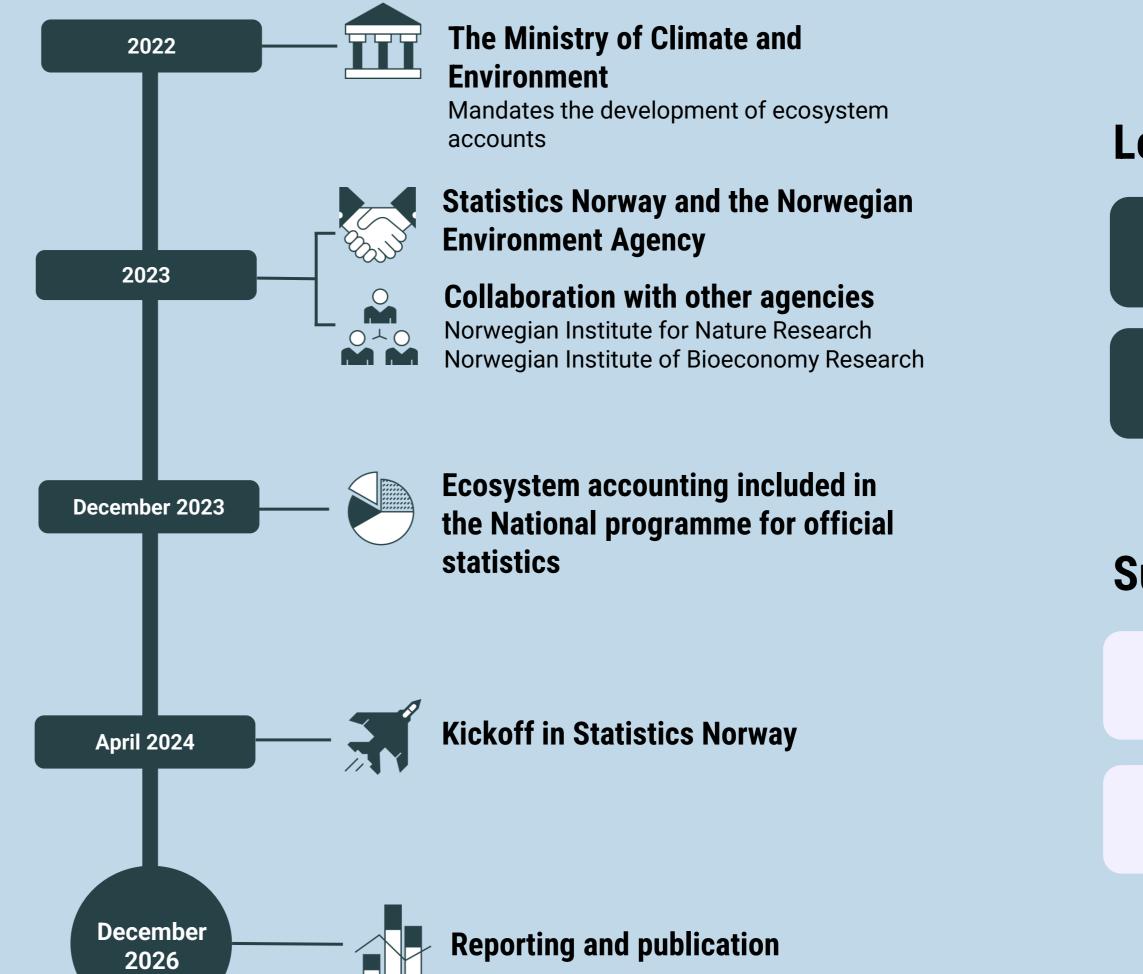
On a scale from 0-1, Norwegian mountains have a condition score

of 0.68. The threshold for good conditions is 0.6.

Ecosystem accounting at municipal level



The governance process



Lead Institutes





Supporting Institutes

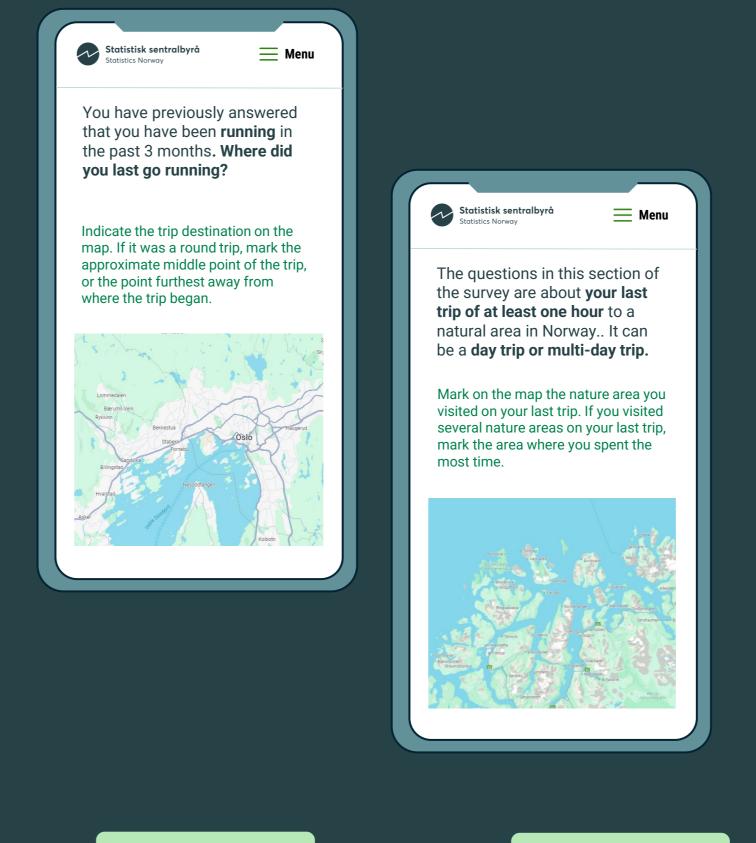




New statistics will be published in 2026

Ecosystem services accounts

An example about recreation and nature-based tourism



What have we developed?

- A survey about recreation and tourism in nature areas
- Questions making a direct connection between nature-based tourism and the ecosystem extent accounts
- Questions about travel expenditures

Autumn 2024 Spring 2024 **Summer 2024 Development of Testing and development** Cognitive interviews, feedback 1st round pilot survey from interviewers

Data collection

Data collection

2nd round

Spring 2025