

From Benefits to Business: Strategizing Commercialization of Ocean Multi-Use with UNITED

A joint Nordic push towards multi-use at sea

THEME: **Ocean Multi-Use**

Nordic Innovation in brief

An organization under the **Nordic Council of Ministers**



Aims to make the Nordics a pioneering region for sustainable growth by promoting entrepreneurship, innovation and competitiveness in Nordic businesses.



Annual budget of about **10** million EUR.



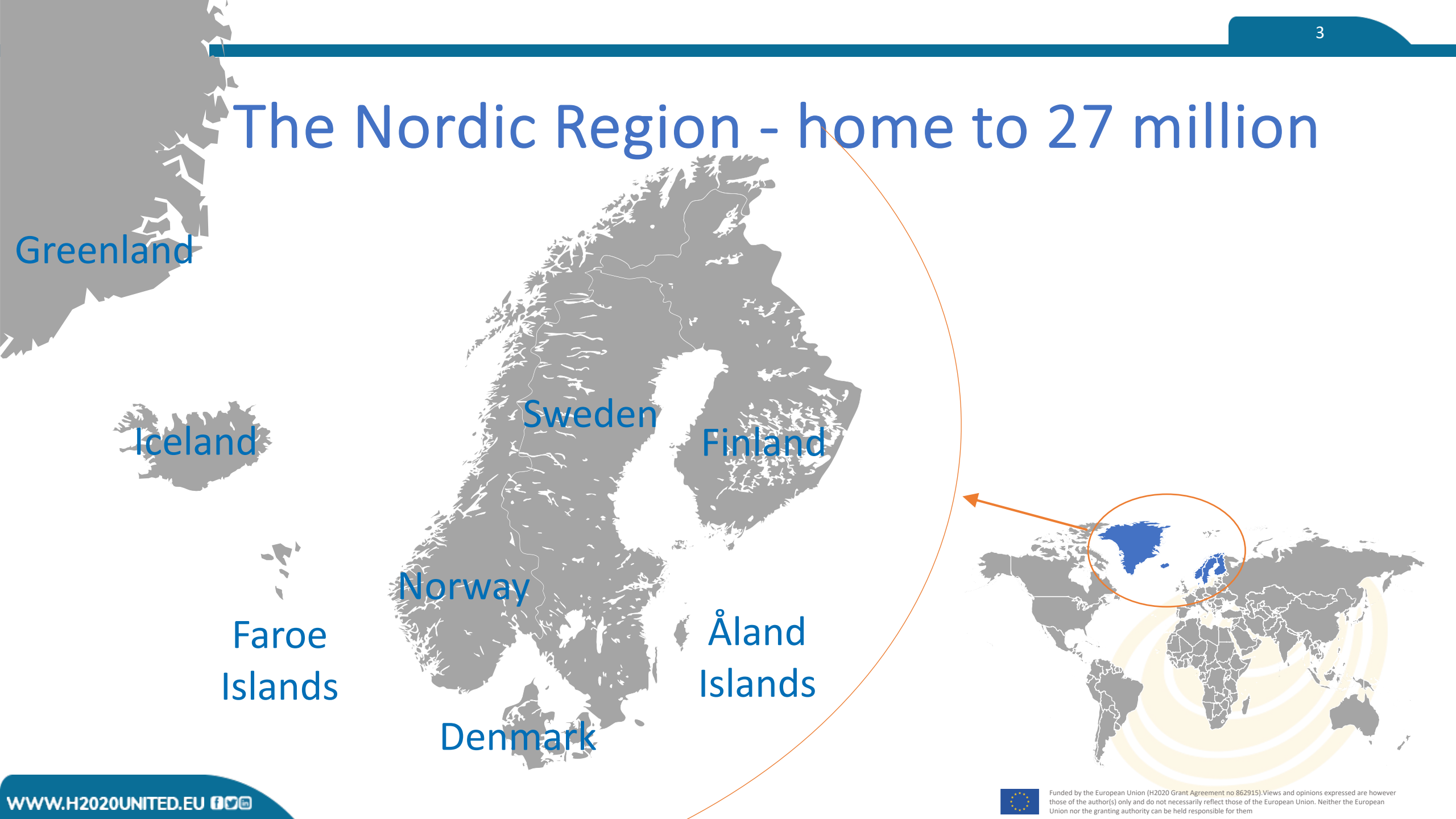
21 employees from the Nordic countries.



Oslo, Norway



The Nordic Region - home to 27 million



Greenland

Iceland

Faroe Islands

Norway

Denmark

Sweden

Finland

Åland Islands



Our vision 2030

A **green** Nordic region

Together, we will promote a green transition of our societies and work towards carbon neutrality and a sustainable circular and bio-based economy.

A **competitive** Nordic region

Together, we will promote green growth in the Nordic region based on knowledge, innovation, mobility and digital integration.



**The Nordic
region will
become the most
sustainable and
integrated region
in the world**

A **socially sustainable** Nordic region

Together, we will promote an inclusive, equal and interconnected region with shared values and strengthened cultural exchange and welfare.



Program: Sustainable Ocean Economy

To uphold the Nordic Region's role as a pioneer in innovative new solutions that contribute towards **making the Nordic region a frontrunner within the field of sustainable ocean economy.**

Support and contribute to the Sustainable Development Goals





SPACE



SURFACE



SUBSEA



What are the Nordic strongholds in the sustainable ocean economy?

<https://www.nordicinnovation.org/oceaneconomymapping>

SUSTAINABLE OCEAN ECONOMY

Mapping of Nordic Strongholds

 Nordic
Innovation

Mapping of Nordic Strongholds

“ The Nordics hold internationally leading positions in several sectors ”

- Ocean Food
- Ocean Energy
- Ocean Transport

- Other Nordic Strongholds:
 - Ocean-based Tourism
 - Seabed Mining
 - New Ocean Industries



Activity areas

- WP 1 – Ocean Biomass
- WP 2 - Co-located activities (Multi-Use)
- WP 3 – Nordic Testbeds



Kelpwood & Bioplastic

- Timeline: 2023-2024
- Biodegradable plastics from ocean Biomass
 - Sugar Kelp
 - Pacific Oysters
- Kelp as a construction material
 - Chipboard
- Broad Nordic consortium led by Interesting Times Gang (SE)



Circle Feed

- Timeline: 2023-2024
- Add macroalgae to animal feed to reduce methane emissions from cattle
- Big potential impact and scalability
- Broad Nordic consortium led by Lava Seaweed (IS).



WP2: Co-located activities

- Smart and sustainable multi-use, e.g.:
 - Wind power
 - Aquaculture farms
 - Surveillance and communication
- More efficient and sustainable use of ocean sites
- Circular business models and improved resource efficiency
- Some national and EU projects – few Nordic
- So far: more theory than practice



Co-located activities: Hack the Ocean

- Reykjavik 5 – 7 October 2023
- Challenge: Design a viable and sustainable concept for multi-use at sea.
- 4 Nordic teams → 4 multi-use concepts generated



Mission call: Co-locate for Economy and Sustainability

- This Ocean Mission is concentrated on innovation projects that enable cross-sectoral and co-located activities at sea.
- Consortia that carries out activities contributing to the mission, such as:
 - Product development
 - Business models
 - Testing
 - Export initiatives
- Nordic Added Value & Co-financing



Mission Call

What: Nordic consortia that through projects carry out various activities with the aim to promote multi-use at sea.

Funding: 3 x 2 million NOK

Submission Deadline: 22 February 2024

Project period: 12 to 18 months

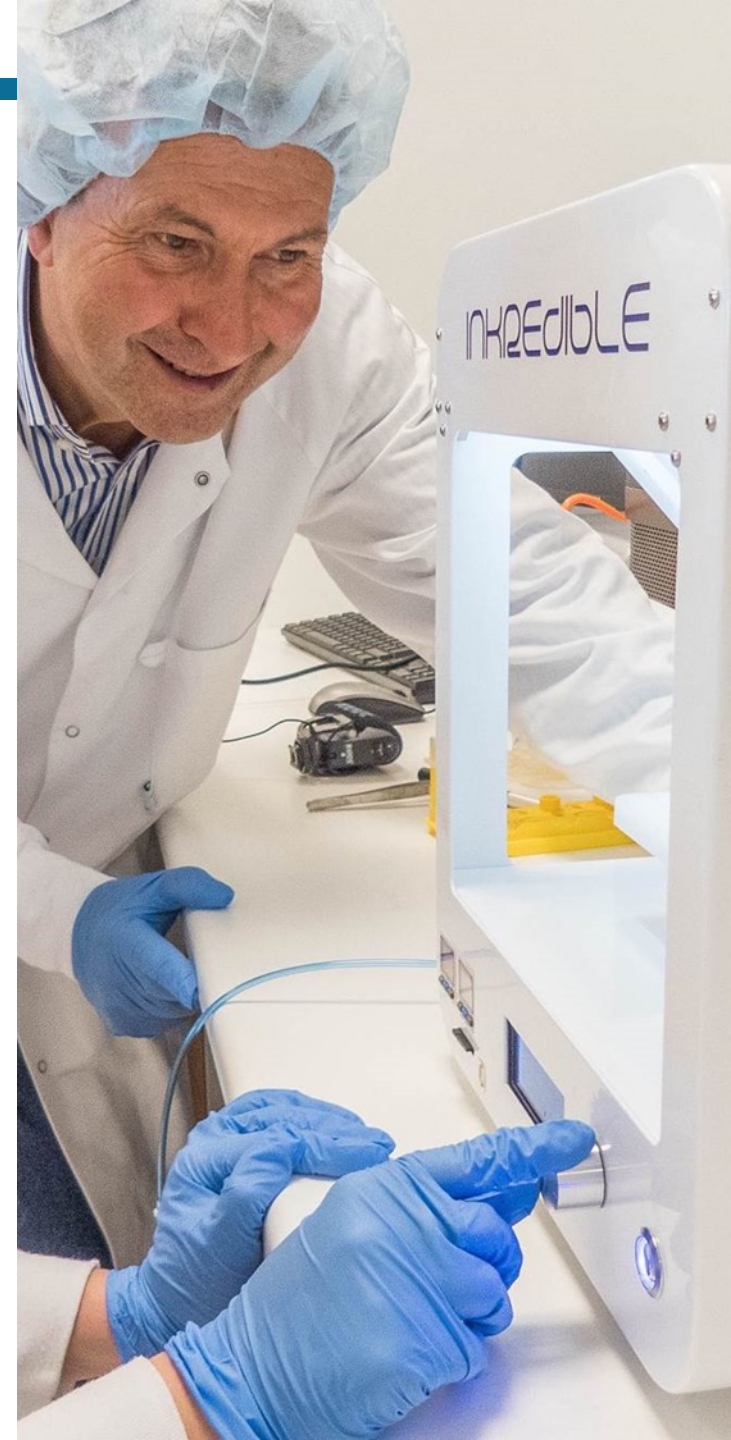
Info: www.nordicinnovation.org



Del av utstillingen
Cement Eclipses Utsira Parkour
av den anerkjente spanske
kunstneren
Isaac Cordal
På Utsira ble det sommeren 2022
satt opp over 20 skulpturer.
Hvor mange finner du?
Vennligst ikke rør skulpturene

WP3: Nordic Ocean Testbeds

- A facilitation of Nordic ocean testbeds for testing innovations for a more sustainable ocean economy.
- Through this horizontal WP, the intention is to test innovative ocean solutions in a real-time setting :
 - Solutions created under WP1 and WP2
 - Other sustainable solutions
- Activities under WP3 will be executed and initiated in 2024.



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