

**HORIZON
2020**

Using population genomics and metabarcoding to pro-actively manage kelp bioresources

Fact Sheet

Project Information

NorKHelp

Grant agreement ID: 844643

[Project website](#) 

DOI

[10.3030/844643](https://doi.org/10.3030/844643) 

Project closed

EC signature date

1 April 2019

Start date

2 April 2019

End date

28 September 2022

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 202 158,72

EU contribution

€ 202 158,72

Coordinated by

HAVFORSKNINGSINSTITUTTET



Norway

Project description

Exploring the genetics of Norwegian kelp forests

Kelp, a group of brown seaweeds that form large underwater forests along rocky coastlines, means big business in Norway. The country's coast is long with perfect conditions for kelp farming but kelp forests are vulnerable to climate change, overharvesting and biofouling by epiphytes. The EU-funded NorKHelp project will fill research gaps. Based at Norway's Institute of Marine Research, it will quantify the

gene flow between populations of kelp forests of the *Saccharina latissimi* species. The community structure of epiphytic algae and bacteria will be described to determine if the host genotype or the environment determines their composition. The project will integrate community ecology and population genomics with an ecosystems approach to investigate the complexity of interactions.

Fields of science (EuroSciVoc)

[natural sciences](#) > [biological sciences](#) > **[genetics](#)**

[natural sciences](#) > [biological sciences](#) > [microbiology](#) > **[bacteriology](#)**

[natural sciences](#) > [biological sciences](#) > [microbiology](#) > **[phycology](#)**

[natural sciences](#) > [biological sciences](#) > [ecology](#) > **[ecosystems](#)**

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > **[climatic changes](#)**



Keywords

[Kelp](#)

[Sacharina latissima](#)

[macroalgae](#)

[microbiome](#)

[cultivation](#)

[harvesting](#)

[metabarcoding](#)

[microbial](#)

[communities](#)

Programme(s)

[H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#)

MAIN PROGRAMME

[H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility](#)

Topic(s)

[MSCA-IF-2018 - Individual Fellowships](#)

Call for proposal

[H2020-MSCA-IF-2018](#)

[See other projects for this call](#)

Funding Scheme

[MSCA-IF - Marie Skłodowska-Curie Individual Fellowships \(IF\)](#)

Coordinator



HAVFORSKNINGSINSTITUTTET

Net EU contribution

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Total cost

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Address

NORDNESGATEN 50

5817 Bergen

 **Norway** 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 30 June 2023

Permalink: <https://cordis.europa.eu/project/id/844643>

European Union, 2025