



Arctic Impact on Weather and Climate

Fact Sheet

Project Information

Blue-Action

Grant agreement ID: 727852

[Project website](#)

DOI

[10.3030/727852](https://doi.org/10.3030/727852)

Project closed

EC signature date

12 October 2016

Start date

1 December 2016

End date

30 September 2021

Funded under

Cross-cutting marine and maritime research
SOCIETAL CHALLENGES - Climate action,
Environment, Resource Efficiency and Raw
Materials
Fighting and adapting to climate change

Total cost

€ 8 103 125,00

EU contribution

€ 7 500 000,00

Coordinated by

DANMARKS METEOROLOGISKE
INSTITUT



Denmark

This project is featured in...



How climate services can help decision taking in a changing climate: Stories from Horizon 2020 projects

Project description

Understanding the Arctic to predict changes in climate

Improved understanding of the changing Arctic can enhance reliable forecasting and enable tailored predictions and recommendations regarding the weather and climate in the Northern Hemisphere. The EU-funded Blue-Action project aims to offer comprehensive and empirically supported scientific insights to evaluate and elucidate the role of a changing Arctic in enhancing weather and climate forecasting. The project's transdisciplinary approach combines scientific comprehension of Arctic climate, weather, and risk management research with stakeholder knowledge of the impact of climatic weather extremes and hazardous events. This integration enhances modelling and prediction capabilities. Blue-Action will focus on investigating lower latitude oceanic and atmospheric drivers of regional Arctic changes, as well as the influence of the Arctic on climate extremes in the Northern Hemisphere.

Fields of science (EuroSciVoc)

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

[social sciences](#) > [sociology](#) > [governance](#) > [crisis management](#)

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



Programme(s)

[H2020-EU.3.2.5. - Cross-cutting marine and maritime research](#)

MAIN PROGRAMME

Topic(s)

[BG-10-2016 - Impact of Arctic changes on the weather and climate of the Northern Hemisphere](#)

Call for proposal

[H2020-BG-2016-2017](#) 

[See other projects for this call](#)

Sub call

H2020-BG-2016-1

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



DANMARKS METEOROLOGISKE INSTITUT

Net EU contribution

€ 1 167 627,50

Total cost

€ 1 167 627,50

Address

SANKT KJELDS PLADS 11

2100 KOBENHAVN

 **Denmark** 

Region

Danmark > Hovedstaden > Byen København

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Participants (44)



LAPIN YLIOPISTO

Finland

Net EU contribution

€ 176 875,00

Address

PL 122
96101 Rovaniemi

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Lappi

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 176 875,00



MUNICIPIO DE ALMADA

Portugal

Net EU contribution

€ 37 500,00

Address

LARGO LUIS DE CAMOES
2800-159 Almada

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 37 500,00



FONDAZIONE CENTRO EURO-MEDITERRANEOSUI CAMBIAMENTI CLIMATICI

Italy

Net EU contribution

€ 345 000,00

Address

VIA MARCO BIAGI 5
73100 Lecce



Region

Sud > Puglia > Lecce

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 345 000,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

Net EU contribution

€ 632 435,00

Address

RUE MICHEL ANGE 3
75794 Paris



Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 632 435,00



YONSEI UNIVERSITY

🇰🇷 South Korea

Net EU contribution

€ 0,00

Address

50 YONSEI RO SEODAEMUN GU
120 749 SEOUL 📍

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 40 625,00



DNV AS

🇳🇴 Norway

Net EU contribution

€ 180 000,00

Address

VERITASVEIEN 1
1363 Hovik 📍

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 180 000,00



DANMARKS PELAGISKE PRODUCENTORGANISATION FORENING

 Denmark

Net EU contribution

€ 6 250,00

Address

NOTKAJEN 2

9850 Hirtshals 

Region

Danmark > Nordjylland > Nordjylland

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 6 250,00



DANMARKS TEKNISKE UNIVERSITET

 Denmark

Net EU contribution

€ 236 000,00

Address

ANKER ENGELUNDS VEJ 101

2800 Kongens Lyngby 

Region
Danmark > Hovedstaden > Københavns omegn

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
€ 236 000,00



FORESIGHT INTELLIGENCE GBR

Germany
Net EU contribution
€ 51 375,00

Address
**DONAUSTR. 6
12043 BERLIN**

SME
Yes

Region
Berlin > Berlin > Berlin

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
[Contact the organisation](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
€ 51 375,00



HELMHOLTZ-ZENTRUM FUR OZEANFORSCHUNG KIEL (GEOMAR)

Germany
Net EU contribution

€ 85 843,75

Address

WISCHHOFSTRASSE 1-3

24148 Kiel 

Region

Schleswig-Holstein > Schleswig-Holstein > Kiel, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 85 843,75



HAVSTOVAN

 Faeroe Islands

Net EU contribution

€ 187 025,00

Address

NOATUN 1

FO110 TORSHAVN 

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 187 025,00



INSTITUTE OF ATMOSPHERIC PHYSICS OFCHINESE ACADEMY OF SCIENCES

 China

Net EU contribution

€ 0,00

Address

**BUILDING 7 HUAYANLI QIJIAHUOZI DESHENGMENWAI
100029 BEIJING** 

Activity type

Research Organisations

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 128 125,00



**ORGANIZATION OF THE RUSSIAN ACADEMYOF SCIENCES A.M. OBUKHOV
INSTITUTEOF ATMOSPHERIC PHYSICS RAS**

 Russia

Net EU contribution

€ 0,00

Address

**PYZHEVSKY PER 3
119017 MOSKVA** 

Activity type

Research Organisations

Links

- [Contact the organisation](#)  [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 78 125,00



INSTITUTE FOR ADVANCED SUSTAINABILITY STUDIES EV

 Germany

Net EU contribution

€ 198 250,00

Address

BERLINER STRASSE 130
14467 Potsdam 

Region

Brandenburg > Brandenburg > Potsdam

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

€ 198 250,00



FUNDACIO INSTITUT CATALA DE CIENCIES DEL CLIMA 

 Spain

Net EU contribution

€ 0,00

Address

CARRER DOCTOR TRUETA 203 3R PIS
08005 BARCELONA 

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



FEDERAL STATE BUDGETARY INSTITUTION - INSTITUTE OF WORLD ECONOMY AND INTERNATIONAL RELATIONS OF THE RUSSIAN ACADEMY OF SCIENCES

 Russia

Net EU contribution

€ 0,00

Address

PROFSOUZNAYA STREET 23
127473 MOSCOW 

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 31 250,00



KONSORTIUM DEUTSCHE MEERESFORSCHUNG EV

 Germany

Net EU contribution

€ 38 750,00

Address

MARKGRAFENSTRASSE 37
10117 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 38 750,00



MEOPAR INCORPORATED

Canada

Net EU contribution

€ 0,00

Address

1355 OXFORD STREET SUITE 2-41

B3H 4J1 HALIFAX NOVA SCOTIA

Activity type

Other

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Total cost

€ 40 625,00



MERCATOR OCEAN

France

Net EU contribution

€ 12 500,00

Address

2 AVENUE DE L AERODROME DE MONTAUDRAN

31400 Toulouse

Region

Occitanie > Midi-Pyrénées > Haute-Garonne

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 12 500,00



MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV

 Germany

Net EU contribution

€ 572 500,00

Address

HOFGARTENSTRASSE 8

80539 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 572 500,00



HAFRANNSOKNASTOFNUN, RANNSOKNA- OG RADGJAFARSTOFNUN HAFS OG VATNA

 Iceland

Net EU contribution

€ 59 162,50

Address

Fornubúðum 5

220 Hafnarfjörður 

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 59 162,50



MARINE SCOTLAND

United Kingdom

Net EU contribution

€ 30 558,75

Address

VICTORIA ROAD 375
AB119DB Aberdeen

Region

Scotland > North Eastern Scotland > Aberdeen City and Aberdeenshire

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 30 558,75



UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH NONPROFIT CORPORATION

United States

Net EU contribution

€ 0,00

Address

CENTER GREEN DRIVE 3090
80301 Boulder

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost
€ 103 125,00



STIFTELSEN NANSEN SENTER FOR MILJOOG FJERNMALING

 Norway

Net EU contribution

€ 430 475,00

Address

JAHNEBAKKEN 3

5007 Bergen 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost
€ 430 475,00



STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN

 Netherlands

Net EU contribution

€ 80 280,00

Address

WINTHONTLAAN 2

3526 KV Utrecht 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost
€ 80 280,00



STICHTING NETHERLANDS ESCIENCE CENTER

 Netherlands

Net EU contribution

€ 392 500,00

Address

SCIENCE PARK 402

1098 XH AMSTERDAM 

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 392 500,00



UNITED KINGDOM RESEARCH AND INNOVATION

 United Kingdom

Net EU contribution

€ 57 159,06

Address

POLARIS HOUSE NORTH STAR AVENUE

SN2 1FL Swindon 

Region

South West (England) > Gloucestershire, Wiltshire and Bristol/Bath area > Swindon

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 57 159,06



PELAGIC FREEZER TRAWLER ASSOCIATION

 Netherlands

Net EU contribution

€ 6 250,00

Address

LOUIS BRAILLELAAN 80
2719 EK Zoetermeer 

Region

West-Nederland > Zuid-Holland > Agglomeratie 's-Gravenhage

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 6 250,00



RUKAKESKUS OY

 Finland

Net EU contribution

€ 77 500,00

Address

RUKATUNTURINTIE 9
93830 KUUSAMO 

SME 

Yes

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Pohjanmaa

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

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

Total cost

€ 77 500,00



THE SCOTTISH ASSOCIATION FOR MARINESCIENCE LBG

 United Kingdom

Net EU contribution

€ 92 270,00

Address

SCOTTISH MARINE INSTITUTE

PA37 1QA Dunbeg Oban 

Region

Scotland > Highlands and Islands > Lochaber, Skye & Lochalsh, Arran & Cumbrae and Argyll & Bute

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 92 270,00



SAMS RESEARCH SERVICES LIMITED

 United Kingdom

Net EU contribution

€ 377 500,00

Address

LISMORE SUITE, SUITE 4 MALIN HOUSE THE EUROPEAN MARINE SCIENCE PARK

PA37 1SZ Oban 

SME 

Yes

Region

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 377 500,00



UNIVERSITY OF HAMBURG

Germany

Net EU contribution

€ 243 812,50

Address

MITTELWEG 177
20148 Hamburg

Region

Hamburg > Hamburg > Hamburg

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 243 812,50



UNIVERSITETET I BERGEN

Norway

Net EU contribution

€ 400 275,00

Address

MUSEPLASSEN 1
5020 Bergen

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
€ 400 275,00



NORCE RESEARCH AS

Norway

Net EU contribution
€ 348 458,75

Address
NYGARDSGATEN 112
5838 BERGEN

Activity type
Research Organisations

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
€ 348 458,75



UNIVERSITY OF SOUTHAMPTON

United Kingdom

Net EU contribution
€ 235 966,25

Address
Highfield
SO17 1BJ Southampton

Region
South East (England) > Hampshire and Isle of Wight > Southampton

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
€ 235 966,25



UNIVERSITY OF WASHINGTON

United States
Net EU contribution
€ 0,00

Address
**BROOKLYN AVENUE NE 4333
98195 9472 Seattle Wa**

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
€ 28 125,00



THE UNIVERSITY OF READING

United Kingdom
Net EU contribution
€ 199 210,00

Address
**WHITEKNIGHTS CAMPUS WHITEKNIGHTS HOUSE
RG6 6AH Reading**

Region
South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Berkshire

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 199 210,00



WOODS HOLE OCEANOGRAPHIC INSTITUTION

United States

Net EU contribution

€ 0,00

Address

WOODS HOLE ROAD 573
02543 Woods Hole

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 153 125,00



WORLD OCEAN COUNCIL EUROPE

France

Net EU contribution

€ 10 000,00

Address

8 RUE GASTON LATOUCHE
92210 Saint Cloud

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Other

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 10 000,00



FUNDACION PRIVADA INSTITUTO DE SALUD GLOBAL BARCELONA

Spain

Net EU contribution

€ 215 000,00

Address

C ROSSELLO 132 PLANTA 05
08036 Barcelona

Region

Este > Cataluña > Barcelona

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 215 000,00



CLIMATE-KIC APS

Denmark

Net EU contribution

€ 62 500,00

Address

BREDGADE 6,1
1260 Kobenhavn K

SME 

Yes

Region

Danmark > Hovedstaden > Byen København

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 62 500,00



EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

 Switzerland

Net EU contribution

€ 147 750,00

Address

Raemistrasse 101

8092 Zuerich 

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 147 750,00



NATIONAL UNIVERSITY OF IRELAND MAYNOOTH

 Ireland

Net EU contribution

€ 77 401,25

Address

CO KILDARE

W23 Maynooth 

Region

Ireland > Eastern and Midland > Mid-East

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 77 401,25



NATIONAL OCEANOGRAPHY CENTRE

 United Kingdom

Net EU contribution

€ 28 039,69

Address

EUROPEAN WAY

SO14 3ZH Southampton 

Region

South East (England) > Hampshire and Isle of Wight > Southampton

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 28 039,69

Last update: 26 July 2022

Permalink: <https://cordis.europa.eu/project/id/727852>

European Union, 2025

