

**HORIZON  
2020**

# Network of Leading European AQUAtic MesoCOSM Facilities Connecting Mountains to Oceans from the Arctic to the Mediterranean

## Fact Sheet

### Project Information

#### **AQUACOSM**

Grant agreement ID: 731065

[Project website](#) 

#### **Status**

Ongoing project

#### **Funded under**

H2020-EU.1.4.1.2.

#### **Overall budget**

€ 9 999 806,57

#### **EU contribution**

€ 9 999 804,75

#### **Start date**

1 January 2017

#### **End date**

31 August 2021

#### **Coordinated by**

**FORSCHUNGSVERBUND  
BERLIN EV**



Germany

## Objective

Experimentation in mesocosms is arguably the single most powerful approach to obtain a mechanistic quantitative understanding of ecosystem-level impacts of stressors in complex systems, especially when embedded in long-term observations, theoretical models and experiments conducted at other scales. AQUACOSM builds on an established European network of mesocosm research infrastructures (RI), the FP7 Infra project MESOAQUA (2009-2012), where 167 users successfully conducted 74 projects. AQUACOSM greatly enhances that network on pelagic marine systems in at least 3 ways: first by expanding it to 10 freshwater (rivers and lakes), 2 brackish and 2 benthic marine facilities, and by involving 2 SMEs and reaching out to more, thereby granting effective transnational access to world-leading mesocosm facilities to ~240 users on ~11500 days spread by integrating scattered

mesocosm facilities to >340 users on >11500 days; second, by integrating scattered know-how between freshwater and marine RI; and third, by uniting aquatic mesocosm science in an open network beyond the core consortium, with industry involved in an ambitious innovation process, to promote ground-breaking developments in mesocosm technology, instrumentation and data processing. A new dimension of experimental ecosystem science will be reached by coordinated mesocosm experiments along transects from the Mediterranean to the Arctic and beyond salinity boundaries. These efforts will culminate in a joint research activity (JRA) to assess aquatic ecosystem responses across multiple environmental gradients to a selected climate-related key stressor with repercussions for ecosystem services. Overall, AQUACOSM will fill a global void by forging an integrated freshwater and marine research infrastructure network. Long-term sustainability is sought through assessing governance models based on science priorities and economic innovation opportunities. Linkages to and synergies with ESFRI RI and other large initiatives are ensured by AQUACOSM partners and Advisory Board members in those programs.

## Field of science

/social sciences/sociology/governance

/social sciences/other social sciences/social sciences interdisciplinary/sustainable development

/social sciences/sociology/governance/public services

/natural sciences/earth and related environmental sciences/hydrology/limnology

/natural sciences/computer and information sciences/data science/data processing

## Programme(s)

## Topic(s)

## Call for proposal

H2020-INFRAIA-2016-1

## Funding Scheme

RIA - Research and Innovation action

## Coordinator



**FORSCHUNGSVERBUND BERLIN EV**

Address


Budapester Chaussee 17

Activity type

Research Organization

EU contribution

6 015 101

Rudower Chaussee 17  
12489 Berlin  
 Germany

[Website](#) 

Research Organisations

€ 915 164

[Contact the organisation](#) 

## Participants (20)

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### NORCE NORWEGIAN RESEARCH CENTRE AS

 Norway

EU contribution

€ 658 830

Address

Nygardsgaten 112  
5838 Bergen

Activity type

Research Organisations

[Contact the organisation](#) 



### UNIVERSITETET I BERGEN

 Norway

EU contribution

€ 769 804

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Museplassen 1  
5020 Bergen

Activity type

Higher or Secondary  
Education Establishments

[Website](#) 

[Contact the organisation](#) 



### KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN - KNAW

 Netherlands

EU contribution

€ 523 752

Address

Kloveniersburgwal 29 Het  
Trippenhuis  
1011 JV Amsterdam

Activity type

Other

[Website](#) 

[Contact the organisation](#) 



### AREFSENS ELECTRONICS BIOTECHNOLOGY INC

 Turkey

EU contribution

€ 64 812,50

Address

**Mustafa Kemal Mah**  
**Dumlupinar Bulvari No 280 A1**  
**Blok 4 Bolum Ofis 3D Canyaka**  
**06350 Ankara**

[Contact the organisation](#) 

Activity type

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



## BLUE LOBSTER IT LIMITED

 United Kingdom

EU contribution

**€ 123 125**

Address

**Mynachlog**  
**LL74 8SG Tyn Y Gongl**

[Website](#) 

Activity type

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

[Contact the organisation](#) 



## HELLENIC CENTRE FOR MARINE RESEARCH

 Greece

EU contribution

**€ 640 706**

Address

**Leoforos Athens Sounio 46**  
**7Km**  
**19013 Attikia Anavissos**

[Website](#) 

Activity type

**Research Organisations**

[Contact the organisation](#) 



## MIDDLE EAST TECHNICAL UNIVERSITY

 Turkey

EU contribution

**€ 312 918,50**

Address

**Dumlupinar Bulvari 1**  
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[Website](#) 

Activity type

**Higher or Secondary**  
**Education Establishments**

[Contact the organisation](#) 



## HELMHOLTZ ZENTRUM FUR OZEANFORSCHUNG KIEL

 Germany

EU contribution

€ 765 849

Address

**Wischhofstrasse 1-3  
24148 Kiel**

[Website](#)

Activity type

**Research Organisations**

[Contact the organisation](#)



## CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

EU contribution

€ 631 472,75

Address

**Rue Michel Ange 3  
75794 Paris**

[Website](#)

Activity type

**Research Organisations**

[Contact the organisation](#)



## UMEA UNIVERSITET

 Sweden

EU contribution

€ 683 437

Address

**Universitetomradet  
901 87 Umea**

[Website](#)

Activity type

**Higher or Secondary  
Education Establishments**

[Contact the organisation](#)



## WASSERKLUSTER LUNZ BIOLOGISCHE STATION GMBH

 Austria

EU contribution

€ 627 376

Address

**Dr Carl Kupelwieser  
Promenade 5  
3293 Lunz Am See**

[Website](#)

Activity type

**Research Organisations**

[Contact the organisation](#)



## LUDWIG-MAXIMILIANS-UNIVERSITAET MUENCHEN

 Germany

EU contribution

€ 374 623.75

Address

**Geschwister Scholl Platz 1  
80539 Muenchen**

[Website](#)

Activity type

**Higher or Secondary  
Education Establishments**

[Contact the organisation](#)

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## ECOLE NORMALE SUPERIEURE

 France

EU contribution

**€ 209 981,25**

Address

**45, Rue D'ulm  
75230 Paris Cedex 05**

[Website](#)

Activity type

**Higher or Secondary  
Education Establishments**

[Contact the organisation](#)

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## AARHUS UNIVERSITET

 Denmark

EU contribution

**€ 570 746**

Address

**Nordre Ringgade 1  
8000 Aarhus C**

[Website](#)

Activity type

**Higher or Secondary  
Education Establishments**

[Contact the organisation](#)

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## SUOMEN YMPARISTOKESKUS

 Finland

EU contribution

**€ 764 433**

Address

**Latokartanonkaari 11  
00790 Helsinki**

[Website](#)

Activity type

**Research Organisations**

[Contact the organisation](#)

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## HELSINGIN YLIOPISTO

 Finland

EU contribution

**€ 343 841,50**

Address

**Yliopistonkatu 3  
00014 Helsingin Yliopisto**

Activity type

**Higher or Secondary  
Education Establishments**



## UNIVERSIDADE DE EVORA

 Portugal

EU contribution

**€ 319 551,25**

Address

**Largo Dos Colegiais 2  
7000 803 Evora**

[Website](#)

Activity type

**Higher or Secondary  
Education Establishments**

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## IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

EU contribution

**€ 168 795,50**

Address

**South Kensington Campus  
Exhibition Road  
SW7 2AZ London**

[Website](#)

Activity type

**Higher or Secondary  
Education Establishments**

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## NORSK INSTITUTT FOR VANNFORSKNING

 Norway

EU contribution

**€ 295 101,75**

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**Gaustadalleen 21  
0349 Oslo**

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Activity type

**Research Organisations**



## UMWELTBUNDESAMT

 Germany

EU contribution

**€ 235 484**

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**Woerlitzer Platz 1  
06844 Dessau-rosslau**

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Activity type

**Research Organisations**

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