Atlantic ECOsystems assessment, forecasting & sustainability

Fact Sheet

Project Information

AtlantECO

Grant agreement ID: 862923

Status
Grant agreement signed

Start date
1 September 2020

End date
31 August 2024

Funded under
H2020-EU.3.2.5.2.
H2020-EU.3.2.5.1.

Overall budget
€ 10 925 660,38

EU contribution
€ 10 925 660,13

Coordinated by
STAZIONE ZOOLOGICA ANTON
DOHRN

Italy

Objective

The ambition of AtlantECO is to develop and apply a novel, unifying framework for providing knowledge-based resources to design policies, support decisions making and engage with citizens to encourage responsible behaviour to manage the Atlantic system and protect its Ecosystem Services (ES) provision. The aim of AtlantECO is to determine the structure and function of Atlantic microbiome in the context of ocean circulation and presence of pollutants, e.g., plastics, to assess its role in driving the dynamics of Atlantic ecosystems at basin and regional scales; its potential of being used as a sensor of ecosystem state and the mechanisms by which it drives the provision of 5ES. This is key to improve our predictions on future provision of ES in the basin and to favour the establishment of a sustainable Blue Growth strategy for an All-Atlantic community. To realise this vision, AtlantECO has four objectives which are to 1) Assess dynamics of Atlantic marine ecosystems, their ES provision and the
interplay of both with socio-economic activities; 2 increase knowledge and data on microbiomes, plastics, the plastisphere and carbon fluxes that support ecosystems at basin scale using best practices and integrative sampling strategies, novel genomics, imaging and biogeochemical methods, bioinformatics and modelling approaches; 3) Assess and predict the cumulative impacts of multiple stressors on ecosystem status and dynamics and ES provision, identifying their drivers and role on tipping points, assessing their changes in recovery of ecosystem structures, functions and services, and developing eco-socio-economic models to predict future trajectories and 4) Deploy a systemic strategy to build capacity and transfer knowledge for a seamless engagement between science, industry, policy, and society. To achieve these objectives AtlantECO brings together experts and pioneers from Europe, South America and South Africa with the relevant resources, knowledge and experience.

**Programme(s)**

**Topic(s)**

**Call for proposal**

H2020-BG-2019-2

**Funding Scheme**

RIA - Research and Innovation action

**Coordinator**

STAZIONE ZOOLOGICA ANTON DOHRN

Address

Villa Comunale
80121 Napoli
Italy

Activity type
Research Organisations

EU contribution
€ 781 375

Website
Contact the organisation

**Participants (35)**

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH
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<th>Country</th>
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<td>€ 310,150</td>
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<td>France</td>
<td>€ 848,007.50</td>
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€ 697 418,75

Address
Meyerhofstrasse 1
69117 Heidelberg

Activity type
Research Organisations

Website
Contact the organisation

UNIVERSIDADE DE SAO PAULO

Brazil
EU contribution
€ 286 981

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Activity type
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Contact the organisation

UNIVERSITY OF PRETORIA

South Africa
EU contribution
€ 311 410

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UNIVERSITEIT UTRECHT

Netherlands
EU contribution
€ 299 850

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Activity type
Higher or Secondary Education Establishments

Website
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UNIVERSITY OF CAPE TOWN

South Africa
EU contribution
€ 385 000

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Contact the organisation
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Brazil
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88040-900 Florianopolis
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Website
Contact the organisation

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Norway
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Strindvegen 4
7034 Trondheim
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ALFRED-WEGENER-INSTITUT HELMHOLTZ-ZENTRUM FUR POLAR- UND MEERESFORSCHUNG
Germany
EU contribution
€ 276 931,25
Address
Am Handelshafen 12
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MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM
United Kingdom
EU contribution
€ 232 647,50
Address
Citadel Hill The Laboratory
PL1 2PB Plymouth
Activity type
Research Organisations
Website
Contact the organisation

PLYMOUTH MARINE LABORATORY LIMITED
United Kingdom
EU contribution
€ 279 741,25
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Prospect Place West Hoe
PL1 3DH Plymouth
Activity type
Research Organisations
Website
Contact the organisation

SORBONNE UNIVERSITE
France
EU contribution
€ 513 412,50
Address
21 Rue De L'ecole De Medecine
75006 Paris
Activity type
Higher or Secondary Education Establishments
Contact the organisation

UNIVERSITAET BERN
Switzerland
EU contribution
€ 145 812,50
Address
Hochschulstrasse 6
3012 Bern
Activity type
Higher or Secondary Education Establishments
Website
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UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION -UNESCO

France
EU contribution
€ 152,812,50

Address
Place De Fontenoy 7
75352 Paris

Website
Contact the organisation

SEASCAPE BELGIUM

Belgium
EU contribution
€ 135,312,50

Address
Kindermansstraat 14 Bus 19
1000 Brussel

Contact the organisation

EUROPEAN MARINE BIOLOGICAL RESOURCE CENTRE EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM

France
EU contribution
€ 222,625

Address
4 Place Jussieu
75005 Paris

Contact the organisation

EUROPEAN MULTIDISCIPLINARY SEAFLOOR AND WATER COLUMN OBSERVATORY - EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM (EMSO ERIC)

Italy
EU contribution
€ 54,812,50

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Activity type
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