



AtlantEcho

Echos of the Atlantic

ISSUE N°17

AtlantECO highlights

AtlantECO Flagships

News from the ocean: an update from Mayi, on board of RRS Discovery for the AMT30

Mayibongwe Buthelezi, a PhD student from the University of Pretoria, has embarked on RRS Discovery to participate in the 30th Atlantic Meridional Transect cruise (AMT30). AMT30 has departed from the Falkland Islands in February 2023 and is halfway towards completing the 6 weeks long cruise.



[Continue reading»](#)

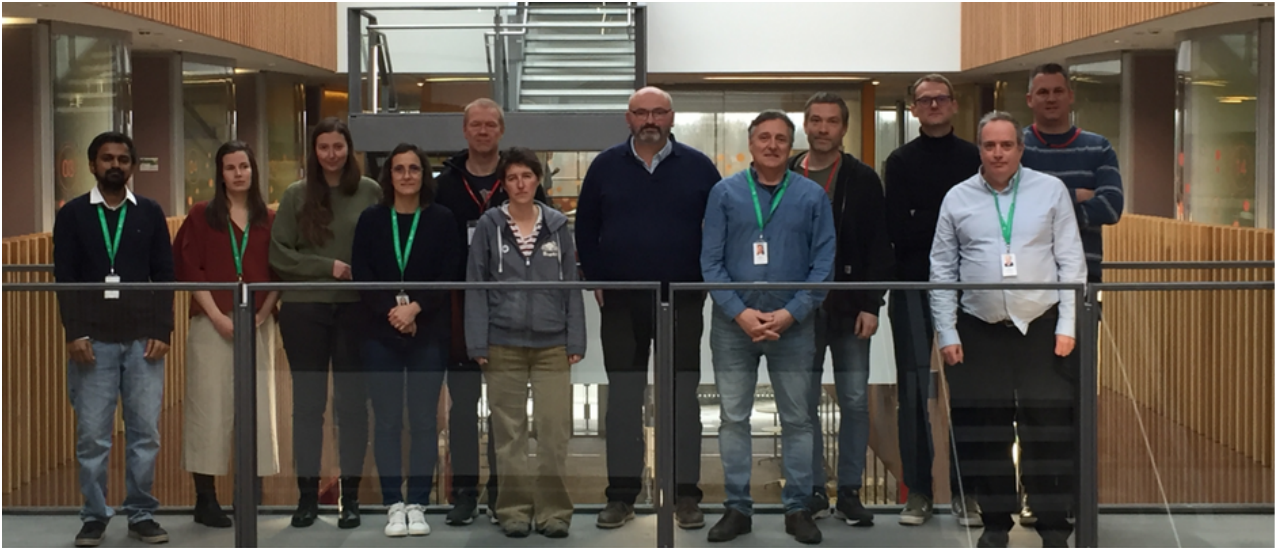


AtlantECO podcast

The voices of women involved in researching and protecting the ocean

Over the past week, we have released a short series of podcast episodes on the occasion of international Women's Day 2023. There, women who are involved with science or the exploration of the ocean have shared their experiences and their messages for the future.

[Continue reading»](#)



 eosc

Blue-Cloud2026

A federated European FAIR and Open Research Ecosystem

Synergies

Data Infrastructures Workshop: Cross-linking life science infrastructures for molecular and biodiversity data

The workshop, a synergy between EU projects Blue-Cloud, BiCIKL, DTO-Bioflow and AtlantECO, was held on 7-9 March 2023 at the European Bioinformatics Institute (EMBL-EBI). Bioinformaticians from the World Register of Marine Species ([WoRMS](#)), the Ocean Biodiversity Information System ([OBIS](#)), the Global Biodiversity Information Facility ([GBIF](#)), the European Nucleotides Archive ([ENA](#)), and the annotation pipelines [MGnify](#) and [EukRef](#) worked on improving, and establishing new data flows that expose marine molecular-based data for biodiversity research. The workshop contributed to the implementation of AtlantECO's Data Management Plan, notably to develop web services between partners EMBL-EBI and OBIS of UNESCO.





Synergies

AtlantECO and TRIATLAS joined iAtlantic in their events to showcase results at European Parliament

On 2 March 2023, [iAtlantic](#) coordinator Murray Roberts presented highlights from the project's research portfolio at an event at the European Parliament. Titled "Science advances at the ocean-climate-biodiversity nexus: Highlights from the Atlantic", this event was hosted by MEP Isabel Carvalhais and convened under the [European Parliamentary Intergroup on Climate Change, Biodiversity and Sustainable Development](#).

These highlights provided the focus for a panel discussion, featuring interventions from Szilvia Nemeth, Deputy Head of "Healthy Ocean and Seas" at the European Commission, and two of the All-Atlantic sister projects with whom iAtlantic has worked closely: [TRIATLAS](#), represented by coordinator Noel Keenlyside, and AtlantECO, represented by coordinator Daniele Iudicone.

[Continue reading »](#)



AtlantECO publications

OpenAIRE

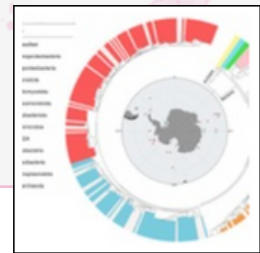
Have a look at the [list of publications](#) which acknowledge AtlantECO on OpenAIRE. They include:

Microbial ecology of the Southern Ocean

Diego J Castillo, Choaro D Dithugoe, Oliver K Bezuidt, Thulani P Makhalanyane, *Microbial ecology of the Southern Ocean, FEMS Microbiology Ecology, Volume 98, Issue 11, November 2022, fiac123.*

The Southern Ocean (SO) distributes climate signals and nutrients worldwide, playing a pivotal role in global carbon sequestration. Microbial communities are essential mediators of primary productivity and carbon sequestration, yet we lack a comprehensive understanding of microbial diversity and functionality in the SO. Here, we examine contemporary studies in this unique polar system, focusing on prokaryotic communities and their relationships with other trophic levels (i.e. phytoplankton and viruses). Strong seasonal variations and the characteristic features of this ocean are directly linked to community composition and ecosystem functions.

[Read the article »](#)

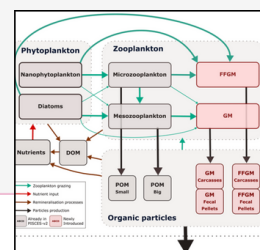


Including filter-feeding gelatinous macrozooplankton in a global marine biogeochemical model: model-data comparison and impact on the ocean carbon cycle

Clerc, C., Bopp, L., Benedetti, F., Vogt, M., & Aumont, O. (2023). Including filter-feeding gelatinous macrozooplankton in a global marine biogeochemical model: model-data comparison and impact on the ocean carbon cycle. *Biogeosciences*, 20(4), 869-895

Filter-feeding gelatinous macrozooplankton (FFGM), namely salps, pyrosomes and doliolids, are increasingly recognized as an essential component of the marine ecosystem. Unlike crustacean zooplankton (e.g., copepods) that feed on prey that are an order of magnitude smaller, filter feeding allows FFGM to have access to a wider range of organisms, with predator-over-prey size ratios as high as 105:1.

[Read the article »](#)





Opportunities

How was the ocean made?
Jules, 7 years old, France



A booklet for World Ocean Day

Questions from Kids, Answers from Scientists

Within the context of a collaboration with the All-Atlantic Blue School Network and other schools, we are in the process of developing a booklet of kids' questions and answers by experts (you). The booklet will be published as a digital resource on the 8th of June, for World Ocean Day.

We have already collected quite a lot of questions from around the Atlantic and will be receiving more until the end of April. But we need your help to answer the questions that we have received. You can help us by directly [entering your contributions in the Q&A document](#) at any time (there are 4 topics, divided in 4 tabs).

Thank you so much to all who have provided answers!!

If you also want to get your local or kids' schools involved in providing questions (deadline 28th April 2023), there is an [introduction text](#) that can be used to explain what the initiative is and what we need from them.

European Maritime Day in my country

Apply for "in my country" event

In 2022, EMD In My Country was a great success, with 630 virtual, physical and hybrid events, covering all the sea basins of the EU. EMD In My Country 2023 will include physical, virtual and hybrid events that will take place from 1 April to 31 October 2023.

[Continue reading »](#)



Sustainable Blue Economy Partnership

First call launched

The European Commission joins forces with 23 countries through the Sustainable Blue Economy Partnership for the launch of the first co-funded call for a thriving sustainable blue economy. The total estimated budget is about € 50 million.

[Continue reading »](#)





Other echoes on the radar

A treaty for the high seas...

History, negotiations, implications... behind the scenes with AtlantECO

Listen to André and Hugo on our podcast dedicated to the High Seas Treaty, which was the focus of intense discussions during the Intergovernmental Conference on Marine Biodiversity of Areas Beyond National Jurisdiction (BBNJ) a couple of weeks ago.

[Continue reading »](#)



Atlantic strategy

Implementation Report 2022

This is the result of last year's joint work boosted by Member States – Spain, France, Portugal and Ireland - and the EU Commission, and put in practice by Pillar Coordinators, Taskforce Members, Atlantic Assistance Mechanism, national coordinators and regional stakeholders, all of them coordinated by the ASC 2022 Spanish Presidency.

[Read the report »](#)





Calendar & events

AtlantECO online seminars

26.04.23 | 14:00-16:00 CEST

The [first occurrence of the AtlantECO online seminar](#) will take place on the 26th April with the following topics presented:

- Preliminary results of sequencing legacy samples - plastisphere sample collection (Linda Amaral Zettler & Jeff Ghiglione)
- Preliminary results of sequencing legacy samples - sediment trap time series from the Hausgarten moored observatory (Christina Bienhold & Katja Metfies)
- Preliminary results of sequencing legacy samples - the Atlantic Meridional Transect 2011-2019 (Karen Tait & Andy Rees)

You can [add topics to the schedule](#) for future occurrences directly in the online document. Please remember to suggest a moderator, if it has not yet been confirmed with the proposed person add (TBC) after their name.

AtlantECO
AtlantECO online seminars

26/04/2023
14:00-16:00 (CEST)

Join on zoom: [LINK](#)
Meeting ID: 885 8057 9984
Passcode: 172797

PROGRAMME
Moderator: Stéphane Pesant

Preliminary results of sequencing legacy samples - plastisphere sample collection
Linda Amaral Zettler & Jeff Ghiglione

Preliminary results of sequencing legacy samples - sediment trap time series from the Hausgarten moored observatory
Christina Bienhold & Katja Metfies

Preliminary results of sequencing legacy samples - the Atlantic Meridional Transect 2011-2019
Karen Tait & Andy Rees

[Add your topics to the schedule](#)

[Seminar schedule](#)



AtlantECO workshop

Decolonising science and the science diplomacy context.

23.05.23 | 15:00-17:00 CEST

The workshop will be an occasion to reflect on our experience so far in AtlantECO, discuss possibilities for actions in the remainder of the project and inform the development of a policy brief.

[See the draft programme »](#)

Atlanteco GA23 | 3-10 October 2023

Draft programme



As we are preparing for the GA23 of AtlantECO which will take place in Florianopolis in October this year, we are asking for your contribution to develop the programme.

If you have suggestions or needs for specific sessions, workshops, activities please [add them directly to the draft programme online](#).



European Maritime Day

Brest, France | 24-25 May 2023

The European Maritime Day (EMD) 2023 is taking place again as a fully-fledged physical event, in Brest, France on 24-25 May 2023. As every year, this will not be the only action to celebrate our seas and oceans and the sustainable blue economy.

[Continue reading »](#)





Tips & reminders

AtlantECO communication

New mailing lists

As you may have seen, we have recently set up new mailing lists for AtlantECO as the old system is no longer functional. You can [see all lists to be used on the google drive](#).



AtlantECO Publications

Reminders

If you are about to publish: remember the requirement to notify the consortium as early as possible in the process ([see the dissemination guidelines](#)).

If you have already published and your article has not been picked up by OpenAIRE, please submit it directly to OpenAIRE or send the information to [SINTEF](#).

If you are going to present at a conference or other event, please [see the fast track notification protocol](#).

DON'T FORGET

Deadlines

Deliverables

D2.1- AtlantECO BASE 1. ETHZ, Due M25, Sept.22 (work is ongoing)

D5.2- Report on the All-Atlantic interactome. CNRS, due M30, Feb. 23

D5.4- Report on the results of all experiments performed. UP, delayed by 10 months

D10.5- GEONODE geospatial platform. SBE, due M30. To be delivered end of M31.

Deliverables D2.4, D4.3, D4.6, D4.9, D6.2 and D10.3 all due at M36, Aug 23.

[View tracker](#)

Milestones

Some milestones are overdue or upcoming, partners responsible should [provide an update](#) on these, including explanation for delay and new due dates where applicable.

N°	Title (means of verification)	Responsibility	Due date
MS07	Version 1 of all gridded data products from WPs 2&3 are available in netCDF format (NetCDF files deposited on AtlantECO's Geonode and citable at EMODnet)	ETHZ	M24 (08/22)
MS22	A first version of the data set for ecosystem services evaluation is available (Database accessible from project internal website)	OGS	M24 (08/22)
MS19	Network data and inference methods are established (Datasets and publications are available)	CNRS	M24 (08/22)
MS08	2021 All-Atlantic Oceans Sampling Day in South America and Africa completed (All samples sent for sequencing at CEA, UFSCar and UP)	EMBR-ERIC	M28 (12/22)
MS25	A first version of Lagrangian Connectivity maps is available (NetCDF files are provided to ETHZ)	UU	M30 (02/23)
MS18	Port calls schedule for second half of project (Schedule published on AtlantECO website)	FTO	M30 (02/23)
MS28	An improved version of the ocean biogeochemical model PISCES is available (Code is provided to CEA and published on Zenodo)	UNILIV	M32 (04/23)
MS21	3) (Initial database of metabolic potentials and genetic signatures (D2.6), list of bio- marker candidates deposited in project repository)	SINTEF	M36 (08/23)
MS23	2022 All-Atlantic Oceans Sampling Day in South America and Africa completed (All samples sent for sequencing at CEA, UFSCar and UP)	EMBR-ERIC	M38 (10/23)
MS24	Summer school 2: Two-weeks training course (Training material available on EMBRC platform)	EMBR-ERIC	M38 (10/23)