



MARiS

28 OCT. 2022, ISSUE 4

Newsflash

ECR Bi-Weekly Newsletter



WELCOME

Welcome to the MARIS ECR newsflash where we share information that will be of use and interest to the broader MARIS ECR community. In this newsletter, you will find the latest news, opportunities and events. Enjoy the read!

LATEST NEWS INSIDE THIS ISSUE:

- Pg 2 - Recap of WIOMSA 2022
- Pg 3 - Podcasts & Guides
- Pg 4 - UCT Notices
- Pg 5 - SANCOR Vacancies & Funding
- Pg 6 - Events
- Pg 8 - Conferences
- Pg 9 - Opportunities
- Pg 15 - Seminars & Courses

Give MARiS a follow on social media





Highlights of WIOMSA 2022

Over 800 delegates from across the globe came together from the 10-15th October in Gqeberha, South Africa to share and communicate the research and key developments within the Western Indian Ocean region from the past few years and discussed potential solutions for moving forward in the field of marine science at the 12th WIOMSA Symposium.

The theme for the Symposium was “A New Decade of Western Indian Ocean Science” where multiple geographic, cultural and intellectual boundaries were crossed and united to push the boundaries of African marine science.

Dr. Jaqueline Uku, WIOMSA's president, opened up the symposium with the following remark: *"Africa is speaking to the world about our oceans. The world is looking to the scientific community for leadership. WIOMSA2022 and the UNOceanDecade is an opportunity to look inward, to see how we can aspire to do more".*



This year's symposium focused on five main objectives:

- Knowledge dissemination,
- Networking,
- Exchange,
- Priority mapping, and
- Ocean Decade Challenges

The biggest highlight of the symposium was that 70% of the Delegates this year were Early Career Researchers from across the globe. This is so exciting - Youth are committed to taking action and driving the UN agenda 2030. Let's keep the ball rolling ECRs!

Dr Julius Francis, WIOMSA Executive Secretary ~ *"In the face of a changing region, we should not expect quick results. It takes a lot of time and patience in building impact and making a difference. I believe that there is space for everyone. If a new idea comes up, we need to help each other to take on the initiative. I will urge upcoming leaders to go beyond their national and individual interest and consider the region as a whole."*



Podcast Alert!

Tara-AtlantECO Mission Microbiome

MARiS Junior Research Fellow, **Dr Emma Rocke**, and Postdoc student, **Dr Nicole Dames** were both on board the schooner Tara earlier this year as it sailed from Cape Town in South Africa up to Walvis Bay in Namibia. They studied microbiomes in the different zones of the upwelling, as well as the Orange river mouth.

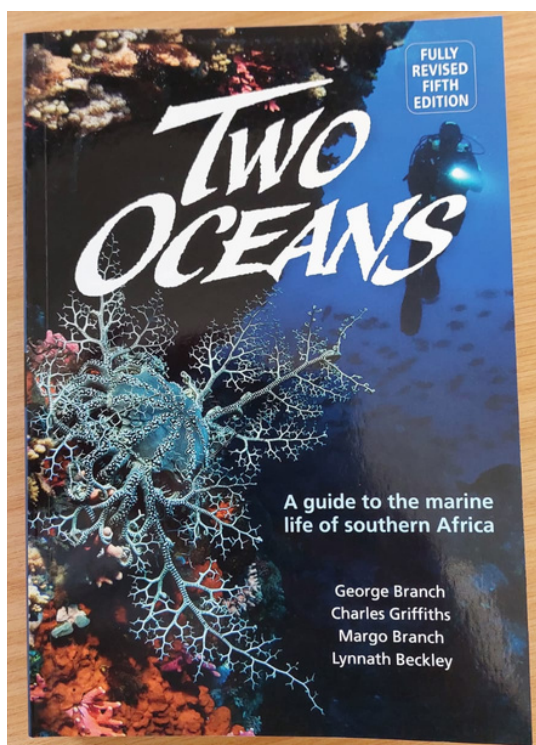
Both Emma and Nicole received the opportunity to share more of their experience on board the Tara for the AtlantECO Mission Microbiome and about their journey in science in the latest podcast, with Mathilde Bourreau who hosts the French podcast series, *Chercheuses*, which means "Researchers".

The podcast series "Researchers" highlights brilliant, inspiring and committed female researchers. They work to understand and develop solutions to issues related to the environment, the ocean and climate change.



Listen to the [podcast](#) to learn more about their journey in science, their research and the region that they study, how it can help us understand the surrounding oceans and the changes linked to rises in temperature or ocean acidification, but also to hear more about what life is like on board Tara!

For more information, check out the [AtlantECO project](#) and the [Tara Ocean Foundation](#).



New edition of Two Oceans Guide

The new 2022 Fifth Edition of the Two Oceans field guide is now out and you can purchase these from Emir. Prof. Charles Griffiths for R350 cash (vs R500 in the shops). There are some 200 new species names and nearly 200 new photos in this edition, so if you are serious about getting correct species identifications you probably need to upgrade, even if you have a 4th edition!

Contact Charles via [email](#) or you can visit him at Room 2.36, John Day building.

Notices

UCT BioSci Nature Challenge



The BioSci Postgraduate Committee would like to invite you to take part in the UCT BioSci Nature Challenge from **14th October until 4th November, using the [iNaturalist platform](#).**

The challenge encourages you to spend time outdoors and celebrate our South African natural heritage by documenting the incredible biodiversity around you. We encourage you to take part in any way you can - at the beach, in the forest, on the mountain, or even in your garden at home!

Join in on the fun and follow them on Instagram: [@uct_biosci_postgrads](#) to stay up-to-date with the challenge. Good luck 😊!

UCT Master's/ PhD parking discs for 2023



All master's students and PhD candidates interested in obtaining parking discs for P18 on upper campus for 2023 are invited to add their details to an online list.

An annual parking fee applies. The online form will only be available from **Tuesday, 1 November 2022**. Please note that there is a limited number of bays available and only the first 100 students will be given discs. Once this number is reached the allocation process will be closed.

To complete the form, please go to the [campus parking page](#) on the 1 November 2022.

Join our UCT Marine Chatties Seminars

The Marine Chatties seminars are used as a platform for students and researchers within the marine research field to informally share their science, practice presentations for conferences, discuss and workshop ideas, and work through the various marine science problems that ECRs face with the transition from studying to finding themselves in the workplace.

These seminars take place **every Friday** from **12h00 til 13h00**, usually in the Seminar Room 4, Level 4 in the John Day Building at UCT Upper Campus.



All are welcome from the Oceanography, Engineering and Biological Sciences departments. We hope to see you there!

If you are interested in joining the Marine Chatties mailing list or offering up a talk or a workshop, please feel free to email [Shakirah Rylands](#) or [Dr Natasha Karenyi](#), who are currently running the Chatties seminars.

Here is an example of one of the [seminars](#).

SANCOR Vacancies

October 2022

Looking out for the next step in your career path?

The South African Network for Coastal and Oceanic Research (SANCOR) has listed some recent vacancies available within the marine and coastal environment.

Here are a few posts available:

Marine Sciences (FET) teacher

Two Oceans Aquarium Foundation, Cape Town

Closing Date: **31 Oct 2022**

See more details [here](#).

Environmental/Biodiversity Internships.

Closing date varies for each organisation.

SANBI, Countrywide

Closing Date: **31 October 2022**

Find out more information [here](#).



Postdoctoral position to study Southern Ocean trace metal - phytoplankton interaction. Open until filled.

Stellenbosch University, Cape Town

Closing Date: **4 November 2022**

Find out more information [here](#).

Postdoctoral position to join the “Indigenous Marine Innovations for sustainable Environments and Economies (IMIsEE) project”

SAIAB Grahamstown, Eastern Cape

Closing Date: **4 November 2022**

Find out more information [here](#).

To view the rest of the vacancies, check out the SANCOR website using this [link](#). Other job opportunities can be found [here](#) too.

Join APECS SA National Committee

Are you an early career scientist, enthusiast, naturalist or good storyteller with a passion for Polar Research?

Then you have come to the right place! Join our National Committee to psyche up the rest of South Africa (and the world!) about the value of polar science. Any APECS member can apply to serve on the South African National Committee, applications close **31 October 2022!**

Don't know who we are? Have a look [here](#) or explore our [website](#). Full details [here](#).



Funding Opportunities

Check out UCT's current funding opportunities [here](#) and other student research grants [here](#).

Other funding opportunities have opened up through the Early Career Ocean Professionals (ECOP) Network, check out their [website](#).

Upcoming Events

November 2022



CMR Research Symposium

9 Nov 2022 | 10h30 – 15h30 | Gqeberha, Eastern Cape

The Institute of Coastal and Marine Research will host their annual symposium on 9 November 2022. The Symposium will be held at Nelson Mandela University and is themed “Sustainable Futures”.

Click [here](#) to download the programme and email CMR to [RSVP](#).

iAtlantic: Identifying Offshore Biodiversity Priority Areas to Support MPA Expansion in South Africa

10 Nov 2022 | 10h00 - 15h30 | SANBI at Kirstenbosch National Botanical Gardens

The expansion of South Africa’s Oceans Economy aims to provide benefits to all South Africans through expansion and intensification of maritime activities whilst ensuring environmentally sustainable development. This requires careful consideration and safeguarding of marine

natural resources and biodiversity for current and future generations.

The iAtlantic Project is a multidisciplinary research programme, funded by the European Commission, which aims to collate and generate knowledge that is critical for responsible and sustainable management of ocean resources. The project further aims to provide relevant information and tools to support competent authorities to implement integrated, sustainable management decisions and practices at appropriate scales. The DFFE Branch Oceans and Coasts, SANBI and SAEON are among the South African partners in the iAtlantic Project.

Given the recognition of the importance and need for comprehensive cross-sectoral stakeholder engagement from the outset, stakeholders are invited to participate in an introductory workshop for this process. Two introductory meetings shall be held. These include an in-person meeting which will be held on the 10th November 2022 from 10 am to 3.30 pm, to be held at the SANBI premises at Kirstenbosch National Botanical Gardens. For those unable to attend the in-person meeting, an online meeting shall be held on 11 November 2022, using the Microsoft Teams platform, also from 10 am to 3.30 pm. An agenda shall be made available closer to the time.

Kindly RSVP by Monday 24 October 2022, to both Lisa Skein (l.skein@sanbi.org.za) and Tyla Goldman (TGoldman@dffe.gov.za), and indicate whether you are likely to attend (a) in-person, or (b) online. For those attending in-person, kindly indicate any dietary preferences.

Upcoming Events

November 2022

SAYAS Blogging Competition 2023

Are you a masters or doctoral student or postdoctoral researcher in South Africa? Do you want to express yourself and share your thoughts and opinions, but do not have a platform to do so?

SAYAS is proudly representing the voice of young scientists of all spheres of science and we want to provide the platform for aspiring scientists to talk, debate and learn more about the postgraduate journey in South Africa.

It is about time for the world to know more about you and at the same time improve your writing and communication skills; such a win-win situation, don't you think? And if you wonder whether your ideas are "blogworthy" have a look here.

Through the years, in the SAYAS blog, we have learned about specific research fields and new discoveries; understood challenges such as finances, funding, diversity and inequalities; were inspired by stories of women in science or other role models; and discovered what the students expect from supervisors and mentors.

What do I need to enter?

Any Masters or PhD student or postdoctoral researcher from any research field studying in South Africa who can communicate in English can enter.



How do I enter the blogging competition?

You will enter the competition by completing this [form](#). This includes:

- A short bio (500-700 words) introducing yourself – this will form the evidence of your blogging style.
- Your CV
- A high-resolution photo of you

The closing date for applications is **Monday, 14th November 2022**. For more information, write to: Jennifer.Fitchett@wits.ac.za

What is expected from me and what should I expect from SAYAS If I am selected to be a SAYAS blogger?

You will have to work with the 2023 SAYAS blog editor and submit one blog every month in 2023.

The blog posts will range from themes directed by the editor to topics of your choice.

You will receive guidance and mentoring from the editor so that your blog is of SAYAS standards and quality.

We will be in touch within 4 weeks if you have been selected as a SAYAS blogger.

You will also receive a small stipend monthly for the year of your blogging contract.

Upcoming Conferences

November-December 2022



5th International Marine Science Communication Conference

30 Nov - 1 Dec, 2022
Sète (France) & Online

Are you a professional communicator working in a marine institute, governmental body or a NGO, or a marine scientist that would like to be speed-trained by experts in the skills of modern ocean science communication?
Then CommOCEAN is for you.

Our conference programme combines hands-on exercises in current science communication skills for disseminating ocean research and technology, with plenty of expertise-sharing, social interaction and fascinating marine science along the way.

If you have questions or need assistance related to registering for CommOcean, please contact: info@marineboard.eu.

Registration closes on 15 November 2022.
Register [here](#).

The main organizer of the conference, the European Marine Board Communications Panel (EMBCP) has also a dedicated Future Science Brief on [Marine Science Communication in Europe: a way forward \(June 2022\)](#), where it highlights the critical need to strengthen the marine science communication capacity in Europe, as well as develop dedicated training programs, engage in deeper and wider collaboration with stakeholders, and ensure close interaction with the UN Decade of Ocean Science for Sustainable Development (2021-2030) and the EU Mission: Restore our Ocean and Waters by 2030.

Opportunities

November 2022

Smithsonian Institution Fellowship Program

Closing date: 1 Nov 2022

The [Smithsonian Institution Fellowship Program](#) offers opportunities for independent research or study related to Smithsonian collections, facilities, and/or research interests of the Institution and its staff. Fellowships are offered to graduate students, predoctoral students, and postdoctoral researchers to conduct independent research and to utilize the resources of the Institution with members of the Smithsonian professional research staff serving as advisors. These fellowships are offered through the Smithsonian's Office of Academic Appointments and Internships. Fellowship tenures must begin between June 1, 2023 and May 30, 2024.

Determination of the fellowship category for which to apply should be based on the anticipated academic level at the time the fellowship would begin:

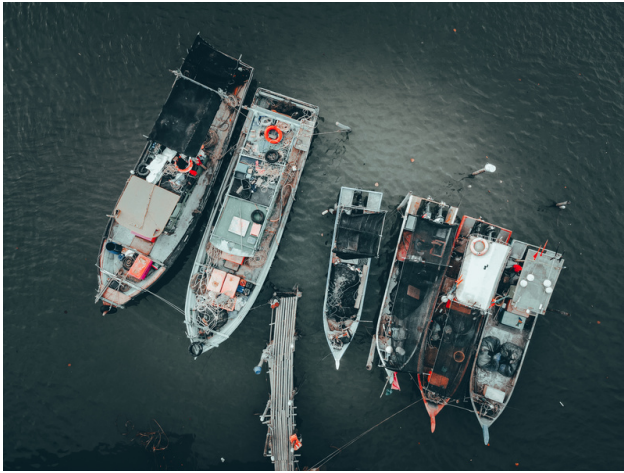


Smithsonian

- **Postdoctoral Fellowships** – for scholars up to seven years beyond the Ph.D.*
Term: 3 to 12 months; Stipend: \$55,000 per year; Research Allowance: up to \$5,000
- **Predocctoral Fellowships** – for doctoral candidates to conduct dissertation research. Students enrolled in a university as candidates for the Ph.D. or equivalent are eligible for predoctoral fellowships. Term: 3 to 12 months; Stipend: \$42,000 per year; Research Allowance: up to \$5,000
- **Ten-Week Graduate Student Fellowships** – for graduate students to conduct independent research usually before having been advanced to candidacy if in a Ph.D. program. Term: 10 weeks; Stipend: \$8,000

Opportunities

November 2022



Open Call for Shipboard Fellowship

Closing date: 30 Nov 2022

The Partnership for Observation of the Global Ocean (POGO) offers a [shipboard training fellowship programme](#) which is designed to promote training and capacity development building leading towards a global observation scheme for the ocean. Due to the ongoing COVID-19 pandemic, it is likely that shipboard placements will be made available at shorter notice than normal.

In order to make best use of these opportunities, the POGO Secretariat is issuing an Open Call for applications from any early career scientists, technicians, postgraduate students (PhD or MSc) and Post-doctoral Fellows involved in oceanographic work at centres in developing countries and countries with economies in transition.

Workshop on 'worker voice' for fishing vessel crews

Event date: 7-8 Nov 2022 | Cape Town

Key Traceability is delighted to inform that we are running a workshop exploring worker voice and grievance mechanisms for fishing vessel crews in Cape Town, South Africa on Monday 7th November / Tuesday 8th November on behalf of Global Seafood Alliance and in collaboration with Woolworths South Africa.

The workshop offers the opportunity to discuss what expectations are in terms of worker voice mechanisms and grievance procedures. Standards based on global conventions such as ILO c188 require these mechanisms to be in place, but there is little guidance on what best practice looks like. We are looking to gather people from different parts of the industry to discuss expectations of current best practice – what should be expected on vessels certified to these standards? The workshop forms part of global outreach which involves interviews and workshops. All input is in confidence but will be used to create a report and recommendations. Anyone who would have valuable input or would like to participate in the discussion is welcome to join.

Full details are available [here](#).

2023 Opportunities

QUICCHE | CAPE BASIN

March 2023

An opportunity for students to apply for a research cruise in the Cape Cauldron in March 2023.

Placements are available for 2 PhD students and 2 undergraduate students from South Africa to join the international QUICCHE project aboard RV Revelle from 5-30th March 2023. Students will help collect observations, conduct mini projects, and co-create a game that connects children with the ocean.

To apply:

Send your CV, a short statement of interest, and a letter of recommendation from your academic advisor to lbeal@miami.edu.



YSSP - Young Scientists Summer Program for PhD students

The International Institute for Applied Systems Analysis (IIASA) offers a summer program for PhD students to undertake a scientific project on a topic related to the IIASA research agenda.

Annually, from **1 June to 31 August**, IIASA hosts up to 50 doctoral students from around the world in its Young Scientists Summer Program (YSSP). It is a great opportunity to collaborate and learn from other PhD students worldwide. To find out more information, view their [website](#).

Applications to the 2023 program are now open and will run until **12 January 2023**. Two letters of reference are required (to be received by latest 24 hrs past application deadline). [Apply here!](#)

2023 Opportunities

SOOS Symposium | August 2023

Hobart, Australia



The Southern Ocean Observing System (SOOS) Symposium, “Southern Ocean in a Changing World”, will consist of plenary presentations, parallel sessions and workshops. The organising Committee invites proposals for sessions for the Symposium topics below. Proposals for sessions incorporating short talks and posters, panel discussions and/or workshops are welcome. The symposium themes are outlined below:

- Circumpolar observations and programme

- Regional observations and programmes
- Data systems
- New observing technology and systems in Southern Ocean observations

Short talks and posters, panel discussions and/or workshops proposals to be submitted to info@soos.aq by the **31st of October 2022**.

For more information on the Symposium, check out the [call for proposals](#).

SOOS Symposium
SOUTHERN OCEAN IN A CHANGING WORLD
14-18 AUGUST 2023 **HOBART, AUSTRALIA**

SCOR (International Council for the Scientific Committee on Oceanic Drift)
SCAR (Scientific Committee on Antarctic Research)
UNIVERSITY OF TASMANIA
IMAS (Institute for Marine and Antarctic Studies)
CSIRO
Tasmanian Government
BUSINESS EVENTS TASMANIA
pogo (Partnership for Observation of the Global Ocean)
APP (Antarctic Research Program Partnership)
ACEAS (Australian Centre for Excellence in Antarctic Science)

soos.aq/soos-symposium-2023 info@soos.aq

2023 Opportunities



Fully funded PhD project:

UNIVERSITY OF
Southampton

Ocean physics and ecology: Can robots disentangle the mix?



Interested in the ocean? Robots? Interdisciplinary data science?

Then check out this fully funded PhD project at the National Oceanography Centre in Southampton (UK) where you will use autonomous underwater gliders to understand how ocean physics control the tiny algae in the ocean.

Check the [website](#) and contact me (filipa.carvalho@noc.ac.uk) if you want to know more!



Dr Filipa Carvalho (NOC, main supervisor)

Dr Bieito Fernández Castro (UoS)

Dr Louis Clément (NOC)

Dr Jo Hopkins (NOC)



Applications due January 3rd, 2023! Funding available for students worldwide

PhD Opportunity

National Oceanography Centre,
Southampton, UK

Apply to a fully funded PhD project:
**Ocean physics and ecology: Can robots
disentangle the mix?**

Applications due: 3 January 2023

The PhD student will be working with Dr Filipa Carvalho, Dr Louis Clément, Dr Joanne Hopkins and Dr Bieito Fernandez Castro, on biophysical interactions in the upper ocean using underwater gliders.

In this project, you will use high-resolution gliders to (1) understand and quantify the effect of small-scale and episodic physical processes on the phytoplankton community

growth; (2) evaluate the importance of including small-scale processes in oceanic carbon uptake. Filling this knowledge gap using these high-resolution data will improve predictions of how the carbon uptake by phytoplankton is affected by both natural variability and changes in physical forcing driven by climate change.

Personal and professional development training will be offered alongside extensive opportunities for students to expand their multi-disciplinary outlook through interactions with a wide network of academic, research and industrial/policy partners. The student will be registered at the University of Southampton and hosted at the National Oceanography Centre (Southampton), in the Ocean Biogeosciences group.

For more information, check out the [website](#).

2023 Opportunities

SAIMI Post-Doctoral Research Fellowship for 2023

The South African International Maritime Institute (SAIMI) invites qualified persons in South Africa to apply for its 2023 Postdoctoral Research Fellowship Program. **SAIMI has TWO postdoctoral fellowships available for the year 2023 (January – December).**

The fellowship will be awarded on a competitive basis, considering the candidate's academic achievements, potential as an independent researcher and the extent to which s/he meets the requirements of the call.

Eligibility requirements

- We are looking for dynamic candidates interested in working on innovative solutions to problems related to the marine and maritime sector and with industry stakeholders. Successful applicants will be exposed to SAIMI's Think Tank and its internal researchers. The eligibility criteria for applicants are as follows:
- Below the age of 40 years.
- A PhD awarded within the last five years.
- Applicants must have been active in research since obtaining their Doctoral degree.
- Complete CV with contact details for three referees.
- Must be able to commence their fellowship on or before **1 January 2022**.



The research thematic themes include:

- Marine Robotics
- Autonomous Vessels at sea
- Maritime Security and Cyber-Security
- Indigenous Maritime Knowledge Systems
- Ocean Governance and Protection Services
- Maritime Economics
- Maritime Energy Management
- Sustainable Ocean Energy
- Offshore oil and gas

Duration and Funding

- The duration for the PDRFP will be 24 months.
- The value of the PDRF for 2022 is a maximum of R300 000 per annum. An additional once-off payment of R20 000 will be made available to assist the successful candidate(s) to purchase research related resources such as laptops etc.

Applicants may submit their completed application form to the [SAIMI Research office](#). For more information, check out their [website](#).

Closing date: 30 November 2022

Please note that successful applicants will be notified by 18 December 2022. If you have not heard from SAIMI by 18 December 2022, please assume that your application was NOT successful

SANCOR Seminars & Courses

November 2022

8 Nov 2022 | 13h00 | UCT

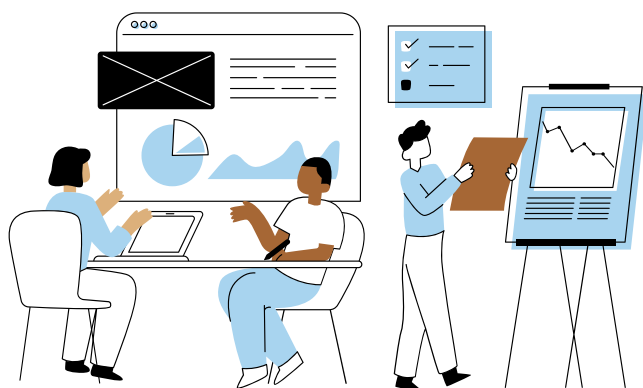
Dr Björn Backeberg, Deltares
Hydrodynamics and Forecasting,
Netherlands

Oceanography Seminar Room: [Ocean Modelling, towards a workflow solution for D-HYDRO that can be easily deployed across distributed cloud and high-performance computing infrastructures](#)

28 Nov 2022 | 13h00 | UCT

Prof Mathieu Rouault, Nansen Tutu
Center for Marine Environmental
Research, UCT

Oceanography Seminar Room: The
intrusion of warm Agulhas water on
the South Coast of South Africa (all
the way to Struis Bay)



MOOC Machine Learning in Weather & Climate

9 January 2023 | Online

Discover how cutting-edge techniques impact our characterisation of weather and climate. In this **Massive Open Online Course (MOOC)** you will explore the application of Machine Learning – a branch of Artificial Intelligence (AI) – across the main stages of numerical weather and climate predictions. These range from the acquisition and handling of input observations to their assimilation into models, and finally to forecasting and post-processing. In each element you will uncover both the added value and limitations of Machine Learning.

It is a fully online and FREE training open to anyone interested in the subject. The first part of the course is a high level introduction to the key concepts. Later sections become more technical and provide hands-on experience in the application of Machine Learning algorithms. Register [here](#).

Courses



Master's in Applied Ocean Sciences Course

MARiS convenes a one-year coursework (full-time) Master's in Applied Ocean Sciences, which is joint between the Department of Biological Sciences and the Department of Oceanography at the University of Cape Town. This course provides interdisciplinary training in treating the most applied aspects of oceanography and marine biology, with the aim to become future ocean professionals. It is designed for both recent graduates as well as those with some years' experience and who wish to gain skills to operate in the ocean services sector, with a focus on operational and conservational activities, food, water quality and recreation, preservation and other aspects of the Blue Economy.

For more information, check out the [website](#).

Applications Deadline:

31 October 2022

Course commences:

late January 2023



2023 APPLICATIONS ARE OPEN!



MARiS
Marine and Antarctic Research
for Innovation and Sustainability

Are you a BSc or BA Hons graduate interested in the ocean and its environment?

UCT-MARiS offers a 13-month programme, the Applied Ocean Sciences (AOS) MSc Coursework + Minor Dissertation, offering a range of disciplines that will shape both your academic and technical skills with the applied aspects of oceanography and marine biology. This multi-disciplinary MSc course is joint between the Department of Biological Sciences and the Department of Oceanography. The AOS course commences in January 2023.

APPLICATIONS CLOSING DATE | 31 OCTOBER 2022

To apply, visit maris.uct.ac.za

CONTACT US

MARiS

University of Cape Town, South Africa

✉ aos.maris@uct.ac.za

Call for Content Creators

The **UCT-MARiS Comms Team** is looking out for volunteers to assist us in providing marine related content especially involving interdisciplinary research, whether it may focus on your current research, fieldtrips, cruises, conferences, workshops, events, etc., **we want to know what is happening in the marine and Antarctic sphere and share it with our networks.**

If you are interested in getting involved (once-off or long-term) on a voluntary basis with the MARiS Comms Team in:

- writing up a blog,
 - promoting events and opportunities,
 - suggesting ideas for marine science communication or
 - providing media that will promote marine research,
- then we would love for you to fill in this short [form](#).

For all content and queries, please feel free to mail us at comms.maris@uct.ac.za.



Feel free to tag us on our social media platforms and we'll be happy to repost:

Twitter: @MARIS_UCT
Instagram: @maris_uct



Copyright © 2022 Marine and Antarctic research for Innovation and Sustainability, All rights reserved.

Because you are part of our MARiS ECR network.



Give MARiS a follow on social media

CONTACT US

If you'd like to sign up for the [ECR mailing list](#) or you'd like to include an event or opportunity in our next newsflash, please email ecr.maris@uct.ac.za.