

Challenger Wave



Monthly newsletter of the Challenger Society for Marine Science (CSMS)

NEWS

Call for CLIOTOP Task Teams

This is to announce a call for nominations for task teams to contribute to IMBeR's (Integrated Marine Biosphere Research) Climate Impacts on Top Oceanic Predators (CLIOTOP) international science programme, starting in 2018.

CLIOTOP is an international research network that is open to researchers, managers, and policy makers involved in research related to large marine species. Network participants organise large-scale comparative efforts to elucidate key processes involved in the interaction between climate variability and change and human uses of the ocean, on the structure of pelagic ecosystems and large marine species. CLIOTOP seeks to develop predictive capability for these socio-ecological systems and evaluate adaptation options to ensure future sustainability.

Each year, CLIOTOP provides seed funding to support several task teams. Task teams are cross-disciplinary, problem solving and output oriented, with varying life-spans (e.g. 6 months to 2 years). They bring together experts from domains needed to resolve overarching questions orientated around the goals of CLIOTOP and be consistent with the Grand Challenges and Innovative Challenges of CLIOTOP's parent project IMBeR (www.imber.info). Task teams may be led by individuals or groups, tasks may be simple (e.g. writing a paper) or complex (developing new approaches to addressing a problem). Seed funding can be used to assist with bringing task team members together, contribute to funding for research projects or workshops, or assist with publication costs, for example. Funding is limited so cannot cover all costs associated with a project or activity.

Guidelines for proposals for task teams are available [here](#). Further details on CLIOTOPs science goals, its framework and current task teams can be found on the website: www.imber.info/en/projects/imber/science/imber-regional-programmes/cliotop. Details of IMBeR and its science programme can be found on the IMBeR website: www.imber.info.

If you are interested in submitting a nomination for a task team please submit a proposal by CoB Friday 16 March 2018 to kevinweng@vims.edu. We anticipate that new task teams will start in late March/early April 2018. Any queries regarding nominations can be directed to karen.evans@csiro.au and kevinweng@vims.edu.

EMBRIC supports your research – new Transnational Access Call launched

The second EMBRIC Transnational Access Call opens on the 15th of February 2018. Project leaders of innovative projects in the field of marine biotechnology can apply for funded access to high-quality facilities and pioneering technology platforms from five European Research Infrastructures. Included are: laboratory fees, technical, scientific and administrative support as well as travel and subsistence costs. The call closes on the 30th of April 2018.

The European Marine Biological Research Infrastructure Cluster (EMBRIC) is designed to accelerate the pace of scientific discovery and innovation from marine Bio-Resources. EMBRIC aims to promote new applications derived from marine organisms in fields such as drug discovery, novel foods and food ingredients, aquaculture selective breeding and cosmetics. EMBRIC began in June 2015 and will run until May 2019 and is coordinated by the Université Pierre et Marie Curie, Paris, France.

Scientists from academia and industry are invited to apply with innovative projects in the marine

biotechnology sector. To develop their research projects, applicants can choose between 21 Access Providers, which are all institutions affiliated with the European Research Infrastructures AQUAEXCEL, ELIXIR, EMBRC, EU-OPENSOURCE and MIRRI. When selected, two researchers per project can benefit for up to 30 days from the free-of-charge use of laboratories and support from associated expert personnel. It is important to highlight that the access must be transnational, the home institution of the project leader cannot be situated in the same country as the access providers. Before submitting the project proposal, the project leader should get in touch with the selected Access Providers to verify the technical feasibility of the research. The contact details of each Access Provider are listed on the EMBRIC website. Once submitted, the project proposals are reviewed by a User Selection Panel. This panel consists of international experts from the marine biotechnology field and evaluates the proposals according to three criteria: scientific excellence, benefit of the access to different Research Infrastructures and the expected impact.

Within the first Transnational Access Call (TA), ten different research projects were funded. The Institute Pasteur recently organized a workshop in which Users, Access Providers and Research Infrastructures provided feedback. Christian Galasso from the Stazione Zoologica Anton Dohrn (SZN) in Naples highlighted "EMBRIC gave me the chance to use state-of-the-art aquaculture and bioassay facilities. I obtained excellent results and established new collaborations with colleagues at the Access Providers for further papers and projects".

Isabel Cunha from the Interdisciplinary Centre of Marine and Environmental Research (CIIMAR) in Porto stated that the project "gave me the chance to access transcriptomic and proteomic equipment, not available in my institute. Results of experiments will help me to determine the composition of adhesive proteins produced by marine barnacles." Overall, users were very impressed by the state-of-the-art equipment of the accessed facilities and the help received from its associated personnel. Most of the work done at EMBRIC facilities leads to publications in peer-reviewed journals. Davide Di Cioccio, who coordinates the TA call, is hoping for as many exciting and diverse proposals for the second Transnational Access Call as were submitted for

the first one. For more information visit: www.embric.eu/access/TA.

VIEWS

MASTS Annual Science Meeting 2018: "Challenges and innovative solutions for sustainable seas"

The Marine Alliance for Science and Technology for Scotland will hold its eighth Annual Science Meeting (ASM) between Wednesday 31st October and Friday 2nd November 2018 at the Technology & Innovation Centre, Glasgow. Please add this date to your diaries.

The 2018 ASM will examine the modern challenges that face our marine waters, and identify ways and means to conserve and sustainably use the oceans, seas and marine resources for sustainable development. This cross-disciplinary meeting brings together members of the marine science community, with the aim of promoting and communicating research excellence and forging new scientific collaborations. The cross-disciplinary nature of the event as well as the high calibre of the selected talks means that scientists can broaden their knowledge in marine science as well as benefit from expertise and ideas gained in a range of fields other than their own.

Science presentations and e-poster sessions will take place on the first two days (Wednesday 31st October and Thursday 1st November), together with Plenary Speakers and opportunities to network. A call for abstracts will be issued in late April. Please get in touch if you would like to host a special session on one of the first two days.

On the third day of the MASTS Annual Science meeting (Friday 2nd November 2018), MASTS provide the facilities for people to run workshops or meetings. We have a variety of rooms of differing sizes that can be set up as you need, and you would be responsible for the content and running of the workshop itself. Previous workshops have included invited talks, the provision of training, proposal writing, project meetings, discussion groups etc - the choice is yours. Please get in touch if you would like to host a workshop on day three. Anyone interested in exhibiting at the 2018 event, or anyone wishing to

showcase or demonstrate a piece of kit/equipment should also get in touch .

We are delighted that IMarEST is sponsoring the student prizes for the 2018 ASM. Best Presentation - £200 first prize and a £100 second prize & Best Poster - £130 first prize and a £70 second prize.

JMSE 2018 Travel Awards

Two travel awards sponsored by the Journal of Marine Science and Engineering (<http://www.mdpi.com/journal/jmse/awards>) for postdoctoral researchers and PhD. students are available to attend marine science and engineering related conferences in 2018. The award will be 800 CHF (Swiss Francs) for each winner; the application deadline is the **20th April 2018**.

We are currently accepting nominations and applications for the award. Please find additional details and apply here: <http://www.mdpi.com/journal/jmse/awards>. - **Dr. Anthony S. Clare, School of Natural and Environmental Sciences, Newcastle University.**

SALTS

No news from sea this month I'm afraid

I know that this is a favourite section for many readers, where we get the inside information about life at sea, its thrills and spills. So please the next time you are at sea or carrying out any fieldwork, please remember that a simple paragraph or two will get you published here. – Ed

CALENDAR

13th-15th March 2018: Oceanology International
London, UK

Oi oceanology international 2018
13-15 MARCH 2018, LONDON, EXCEL



Register Now | Who's Exhibiting? | What's On | Venue and travel



1. **Meet the key players:** with 500+ exhibitors from over 79 countries displaying state of the art marine technologies, take the opportunity to explore a diverse range of solutions
2. **Unbeatable networking:** Connect with over 8,000 attendees from a range of different sectors in the exhibition and our Ocean Social networking events
3. **Essential information:** learn from industry experts presenting a diverse programme of technical sessions in the free-to-attend conference
4. **Vessels and demonstrations:** head to the docks to watch live coverage of exhibitor's equipment at work
5. **Discover the latest marine technologies:** Several new features have been added to make it even easier to identify new technology including the Ocean Tech Hub and Ocean ICT Expo

We are pleased to announce that for the first time in 2018, we'll be running the highly anticipated Ocean Futures Forum: an exclusive one day programme (Tuesday 13th March) of informative debates and networking for senior strategists and heads of business. Join Oceanology leaders to take a long term view of Ocean Energy, Business Diversification and Sustainability Trends. For more information visit the [OI website](#) or contact [Ellen Burgess](#).

The CTNW (Catch the Next Wave): Frontiers of Exploration conference has moved. This full day conference, now taking place on Thursday 15 March, organised with The Explorers Club, will examine the intrinsic link between technology and exploration and how one drives the other. Pairs of explorers and technologists will examine the role of enabling technology for exploration on the seafloor, in, on and over the oceans and into space.

Back again for 2018: the free-to-attend Conference Programme

9 Technical Tracks: Three days of technical updates and case studies on the latest marine technology and ocean science R&D, applications and best practice.

Free Vessel and Dockside Demos: Visitors are able to watch live coverage of equipment at work via the popular elevated viewing platforms on the dockside or via a covered private meeting area and have the opportunity to network.

Near and Far Markets Sessions: Content will be delivered by Trade Commissions and Regional Trade & Industry groups, showcasing

opportunities within their country/region, support mechanisms provided to assist trade with the country/region (including inward investment) and any products, services or companies from the country/region who want to work with Oi's international audience

8th-13th April 2018: European Geophysical Union (EGU) 2018 Meeting

Vienna, Austria

Examples of sessions at this year's meeting are:

Session OS2.2: "Advances in understanding of the multi-disciplinary dynamics of the Southern European Seas (Mediterranean and Black Sea)".

Session OS2.5: "How integrated research infrastructures can support science and policy needs in coastal marine areas".

Session ESS1.1: "Informatics in Oceanography and Ocean Science": <http://meetingorganizer.copernicus.org/EGU2018/session/26506>

Session OS4.4/BG3.8: "Recent advances in ocean physics and biogeochemistry from autonomous underwater vehicles": <http://meetingorganizer.copernicus.org/EGU2018/session/28016>

Session OS4.5: "Copernicus Marine Environment Monitoring Service (CMEMS)": <http://meetingorganizer.copernicus.org/EGU2018/session/26768>

For further information, visit the [EGU Assembly](#).

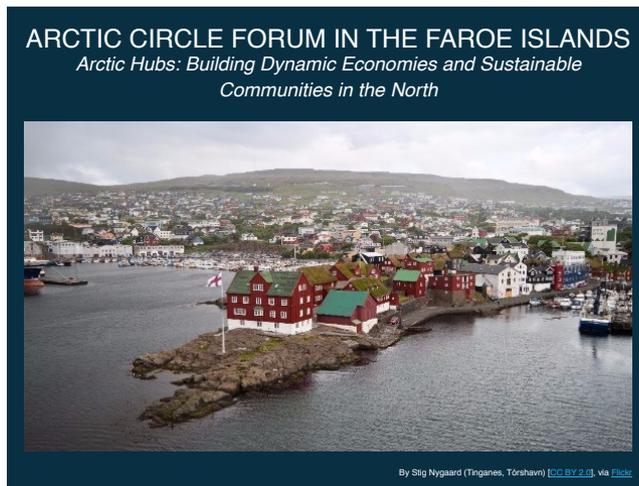
8th-9th May 2018: Arctic Circle Forum

Tórshavn, Faroe Islands



The Arctic Circle Secretariat announces that registration is now open for the Arctic Circle Forum to be held in Torshavn, organized in cooperation with the Government of the Faroe Islands. Governments, universities, companies, research institutions, organizations and associations are welcome. <http://www.arcticcircle.org/forums/faroeislands/proposals>.

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The Forum's themes are:

Innovations for sustainable economic development

Prospects for new and existing businesses in the Arctic, focusing on IT, digitalization, fishing, shipping, maritime services, energy, tourism, food.

Transport, investment and infrastructure

Exploring priorities for infrastructure and investments to promote advancement and growth: maritime transport, telecommunications, education and research.

Dynamic communities

Meeting demographic and societal challenges in Arctic societies: gender equality, e-health, community food and energy sustainability.

24th May 2018: 61st Marine Measurement Forum

Teddington, UK

The Steering Group for the non-profit making Marine Measurement Forum (MMF) series of twice yearly, one day networking seminars is delighted to announce details for the forthcoming MMF61. The event will be hosted by the National Physical Laboratory (NPL) in Teddington, Middlesex. Detailed information on the day's proceedings, including a call for presentations and event registration, can be found at <http://www.npl.co.uk/events/24-may-2018-the-61st-marine-measurement-forum-mmf>

28th May to 1st June 2018: 50th International Liege Colloquium on Ocean Dynamics: Long-term studies in oceanography – a celebration of 50 years of science at the Liege Colloquium Liège, Belgium

In 2018 we arrive at the 50th edition of the International Liège Colloquium of Ocean Dynamics, a perfect reason to celebrate and review the advances made in studying the oceans during the last several decades. In particular, this edition will be dedicated to long-term studies in oceanography. Our knowledge about the ocean has changed dramatically over these past 50 years, as has the availability and quality of data and tools to study the ocean. The ocean plays a crucial role in the regulation of the Earth's climate. As climate change poses an unprecedented threat to the Earth environment, studies that focus on the long-term variation of the ocean and its response to climate change have therefore become essential to understand and monitor the Earth climate.

Sessions:

Ocean dynamics & climate change

Studies addressing the impact of climate change on ocean dynamics, and the influence of the ocean on climate.

Oceanic climate records (datasets, methods and comparisons)

Generic studies about model-based and observation-based datasets (reanalyses, reconstructions), their validation and intercomparisons, and studies about specific methods for multidecadal reanalyses and reconstructions (assimilation, bias corrections and drift corrections). Reprocessing and intercalibration of multi-mission datasets.

Coastal and regional processes

Studies focusing on long-term variability and local trends of specific regions, including downscaling of large scale climatic processes.

Trends in polar regions

Abstracts on the trends of ocean and sea ice dynamics of polar regions, influence of climate on their variability and the impact of these regions on the global climate system.

Biogeochemical processes

Studies about oceanic long-term ecosystem changes induced by climate variability.

Long-term trends in oceanography (open session)

An open session for all studies on the multidecadal study of the ocean. Abstracts that do not fit in other session can be submitted here.

Further details are available at: <http://labos.ulg.ac.be/gher/home/colloquium/colloquium-2018/>.

We are looking forward to welcoming you in Liège in the name of the Organizing Committee:
Aida Alvera Azcarate, ULG, Belgium
Jean-Marie Beckers, ULG, Belgium
Hugues Goosse, UCL, Belgium

4th-8th June 2018: 4th International Symposium on The Effects of Climate Change on The World's Oceans

Washington D.C., USA

* REGISTER: On-line

<http://meetings.pices.int/meetings/international/2018/climate-change/registration>

• Check sessions:

<http://meetings.pices.int/meetings/international/2018/climate-change/Program>

A good IMBeR relevant session is S13: Multiple stressors at multiple scales: ecosystem based management in the face of changing ocean conditions

* APPLY: Financial Support

<http://meetings.pices.int/meetings/international/2018/climate-change/support>

We look forward to seeing you in Washington D.C. - ECCWO Symposium Convenors

17-20 June 2018: European Early Career Researchers: Apply to attend an IMBeR workshop on working at the Science-Policy-Society interface

Veli Lošinj, Croatia



Integrated Marine Biosphere Research

Deadline to apply for the early career workshop extended!



Good news! We are delighted that the MarCons COST Action have recently joined us as co-conveners of the Europe-based Early Career Researchers workshop:
Working efficiently and effectively at the Science-Policy-Society interface.

They are also generously providing some very welcome travel support. To enable you to benefit from this, we are **extending the deadline for applications to 19 March!**

If you are an early career researcher based in the EU, don't miss this great opportunity. Join us in Veli Lošinj, Croatia from 17-20 June 2018. [More info](#)

If you have any questions, contact Lisa at IMBeR@imr.no

Lectures and discussions will include topics such as:

- The role of science in natural resources governance
- How to produce usable marine science
- Improving knowledge exchange between scientists and policy-makers
- Career pathways to have impact at the science-policy-society interface

There will also be several practical sessions to equip the participants with skills and techniques to interact effectively with different stakeholders. For example:

- How to write a policy brief
- How to develop a Research Impact Plan
- Simulated science-policy discussions, where the participants can pitch their research to an invited policy-maker

15th-26th June 2018: POLAR2018 - Where the Poles come together, a SCAR/IASC Conference

Davos, Switzerland

The Scientific Committee on Antarctic Research **SCAR** and the International Arctic Science Committee **IASC** invite the international polar and high altitude community to their joint meeting **POLAR2018**, hosted by **WSL** and **SLF**.

Program overview

15 - 18 June 2018: SCAR and IASC/ASSW Business & Satellite Meetings

19 - 23 June 2018: SCAR/IASC Open Science Conference, including the COMNAP Symposium

24 - 26 June 2018 SCAR Delegates Meeting & 2018 Arctic Observing Summit

The goal of POLAR2018 is to bring together excellent research from both poles, as well as from high altitude areas, focusing on the similar challenges those regions face. The program features 65 different sessions, structured into 12 categories. In addition to the parallel sessions, central elements of the Open Science Conference (OSC) will be keynote presentations, mini-symposia, extended poster sessions, and exhibitions. The annual COMNAP symposium will be held during the OSC, as well as a plenary lecture from the 2018 Arctic Observing Summit as an opening to this biennial summit immediately after the OSC. A range of excursions and trips will allow participants to make the most of coming to the Swiss Alps and enjoy science, nature, culture, and sports.

Davos

POLAR2018 will be held in the Swiss mountain town of **Davos**, which can easily be reached by **train** from Zurich Airport. Davos, Europe's highest city, is situated in the Eastern part of the Swiss Alps at 1560 meters above sea level. It offers an advanced congress infrastructure and a wide range of accommodation for all budgets. The stunning alpine environment will ensure your visit is an enjoyable experience. We are looking forward to welcoming you in Davos in June 2018.

1st-8th August 2018: IMBeR ClimEco6 Summer School

Gadjah Mada University in Yogyakarta, Indonesia



Integrated Marine Biosphere Research

Applications are now open for the IMBeR ClimEco6 Summer School!

We are very pleased to announce that the sixth summer school in the IMBeR ClimEco (Climate and Ecosystems) series will be held at the Gadjah Mada University in Yogyakarta, Indonesia from 1-8 August 2018. The theme of ClimEco6 is:

Interdisciplinary approaches for sustainable oceans

In addition to lectures and discussions around topics such as:

- the impacts of climate on marine systems and implications for food security
- modelling options for different disciplines and integrated research
- social and economic research techniques, and
- governing and managing marine resources,

there will also be several practical workshops aimed to help early-career researchers be more efficient and effective!

An amazing group of lecturers will participate for the whole duration of the course. They are: Chris Cvitanovic (the convener), Jessica Blythe, Laurent Bopp, Beth Fulton, Priscila Lopes, Francis Nunoo, Dr Saudi (our local host), Rashid Sumaila, and Ingrid van Putten. For more information about the summer school, see the [website](#). If you have any questions, please contact IMBeR@imr.no.

Because of the hands-on nature of the summer school and to ensure good discussions and interactions, the number of participants will be limited to 60. To be considered for a spot on the course, you need to **apply by 26 March 2018**, by completing the [application form](#), and submitting it along with a short CV and motivation for why you want to attend.

10th-13th September 2018: 18th Biennial Conference of the Challenger Society

Newcastle upon Tyne, UK

Registration is now open for the 18th Biennial Conference of the Challenger Society for Marine Science: conferences.ncl.ac.uk/challenger-2018/registration/. For a list of available sessions, to submit an abstract or check for details and news please visit our website conferences.ncl.ac.uk/challenger-2018/. We look forward to seeing you in Newcastle upon Tyne in September - **Dr Alan Jamieson**, Challenger Conference 2018: Organising committee chair.



The biennial Challenger conference attracts over 400 leading UK marine scientists and science managers. As well as showcasing cutting edge marine science and technology, the conference is noted for its training of young scientists and networking events, including a public lecture by an eminent authority on relevant societal marine issues.

2018 Mini-Expo

This year we are privileged to welcome as special keynote speaker, His Serene Highness Albert II, Sovereign Prince of Monaco - The Prince Albert II of Monaco Foundation who will be present on the final day.



The mini-expo will run over 3 days (10th, 11th and 13th) The conference normally rotates between the major UK marine research establishments, but 2018 sees the first visit to the University of Newcastle. The Venue is impressive and the exhibition space for sponsors is large, and co-located with the refreshments and close to posters and lecture rooms with good access for exhibitors.

The society is now the adhering body for the Scientific Committee on Oceanic Research (SCOR) providing yet more exposure for participating companies.

Sponsorship packages will give local, national and international companies the chance to support UK marine scientific research and the training of young marine scientists, whilst a targeted exhibition and careers fair will also enable companies to self promote and recruit new staff. Spaces will be limited so please book early.

Take this early opportunity to help make the UK's premier marine science conference in 2018 the most successful ever.

The range of sponsorship opportunities are listed below. The conference organiser is Dr Alan Jamieson School of Natural and Environmental Sciences and commercial exhibition organiser Terry Sloane will be happy to discuss any requirements that you may have.

Terry Sloane by email: terry@planet-ocean.co.uk or phone 01276 427 971

<http://conferences.ncl.ac.uk/challenger-2018/> www.challenger-society.org.uk

❖ Sponsorship Packages

Headline sponsor of conference (one only):

- 6m² exhibition stand in prime location
- Prominent name and logo on conference website and abstract book
- SPONSOR
- leaflet in delegates bag,
- Full page advert on inside front cover of abstract book
- Free "Gold upgrade"



£1500

Individual sponsorship opportunities:

Sponsors of individual elements of the event will be acknowledged in the lecture theatres, abstract book, on the conference website and on posters. Those sponsors with manned exhibition stands are able to upgrade to the Gold package, where they will have the opportunity to have a 5 minute speaking slot at the start of the plenary sessions.

- Manned exhibition stand 3m x 2m £600
- "Gold Upgrade" (only five slots available) £100
- Co-sponsorship of conference dinner £750
- Co-sponsorship of ice breaker reception £700
- Co-sponsorship of poster session £500
- Co-Sponsorship of public lecture £500
- Sponsorship of keynote speaker £550
- Exhibition banner unmanned £200
- Brochure in delegates bag £200
- ¼ Page advert in conference handbook £150
- ½ Page advert in conference handbook £300
- One A4 leaflet in delegates bag £100

Corporate society members benefit from a 15% discount



The refreshments, and posters will be held in the Lindisfarne Room.



Stand positions are taken on a first come first served basis, preference will be accommodated if possible.

17th-21st September 2018: 53rd European Marine Biology Symposium

Ostend, Belgium

The Flanders Marine Institute (VLIZ) and LifeWatch Belgium are organizing the 53rd edition of the European Marine Biology Symposium (EMBS53). The EMBS53 Organizing and Scientific Committee are pleased to welcome your abstract submissions for oral papers and scientific posters. We particularly welcome papers on 'Marine Biology from a Historical Perspective', 'Science in a Modern Era', 'Marine and Coastal Citizen Science' and 'Science in the North Sea'. The deadline for abstract submissions is the 15th April 2018.

Please note that no extensions to the deadline

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will be granted and that presenting authors are responsible for registration, travel and accommodation costs. Presenters who are unable to attend should arrange for another qualified individual to present the paper or poster in question (with notification to the Organizing Committee). All abstract submissions should be submitted via our abstract submission form <http://www.embs53.org/submit>.

We are glad to announce that the Journal of the Marine Biological Association (JMBA) kindly offers to publishing a special issue of the EMBS53 conference (scheduled for October 2019). Everyone who contributes a poster or an oral presentation at the EMBS53 is invited to submit a manuscript by 7th December, 2018. All manuscripts will go through a peer-review process.

Important dates:

- Deadline abstract submission (there will be NO extension of the deadlines): 15th April 2018
- Notification of abstract acceptance: 15th May 2018
- Deadline early bird registration: 31st May 2018
- Deadline late registration: 31st August 2018

For more information: <http://www.embs53.org/>.

- **Leen Vandepitte**, on behalf of the EMBS53 Organizing Committee.

19th-21st October 2018: 6th Arctic Circle assembly
Reykjavik, Iceland

CALL FOR PROPOSALS

2018 ASSEMBLY BREAKOUT SESSIONS

Proposals are now being accepted for Breakout Sessions at the Sixth Arctic Circle Assembly to be held October 19 – 21, 2018 in Reykjavik, Iceland.

Participation will be granted based on session topic, area of focus, goals, and room availability at the Harpa Reykjavik Concert Hall and Conference Center. When proposals are submitted, 50% of speakers need to be confirmed.

SUBMISSION DEADLINE: MAY 15th, 2018

Submit proposals to Secretariat@ArcticCircle.org

Over 120 sessions were held at the 2017 Arctic Circle Assembly, with more than 600 speakers. Programs from previous Assemblies, which list all past breakout sessions, may be found at www.arcticcircle.org. The Arctic Circle provides an open, democratic forum for discussion and cooperation on Arctic Affairs.

31st October-2nd November 2018: MASTS 8th Annual Science Meeting 2018, "Challenges and innovative solutions for sustainable seas" Glasgow, UK

The 2018 ASM will examine the modern challenges that face our marine waters, and identify ways and means to conserve and sustainably use the oceans, seas and marine resources for sustainable development. This cross-disciplinary meeting brings together members of the marine science community, with the aim of promoting and communicating research excellence and forging new scientific collaborations. The cross-disciplinary nature of the event as well as the high calibre of the selected talks means that scientists can broaden their knowledge in marine science as well as benefit from expertise and ideas gained in a range of fields other than their own.

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5th-7th November 2018: International Conference on Marine Data and Information Systems Barcelona, Spain



IMDIS
International Conference on Marine Data and Information Systems

Save the dates for IMDIS 2018 conference!
Barcelona, 5-7th November 2018

The IMDIS 2018 conference will be held in Barcelona (Spain) from Monday 5 November to Wednesday 7 November 2018. It will be organized by CSIC (Consejo Superior de Investigaciones Científicas, Spain), jointly with Ifremer, OGS and IOC/IOPE, in the frame of the SeaDataCloud project (EU H2020 - Grant Agreement 730960).

The conference website is under construction and will be available at the end of November 2017. Abstract submission for oral or poster presentations will be available in January 2018.

For more information, do not hesitate to contact imdiss2018@seadatanet.org.
Best regards,
IMDIS 2018 Organising Committee



21st November 2018: Joint meeting of the Challenger Society History SIG and the Royal Met Soc History Group NOC, Southampton, UK

A meeting is being planned, sponsored jointly by the Challenger Society History SIG and the Royal Met Soc History Group. It will focus on how our ability to collect ocean temperature and salinity profiles has developed from the era of the Challenger Expedition (1870s) to the present day when the Argo array of profiling floats now provides global coverage. It will also highlight the products derived from these data and will look towards future developments. More information will be circulated as it becomes available.

The CSMS email address is info@challenger-society.org.uk. Contributions for next month's edition of Challenger Wave should be sent to: john@vectisenvironmental.com by the 29th March.

We continue to send printed copies of Challenger Wave to members of the CSMS without email addresses. However it is in everybody's interest to send your email address to Jennifer Jones, jxj@noc.ac.uk, as soon as possible

JOBS

Senior Research Associate

REF: RA1500

School of Environmental Sciences, University of East Anglia

£32,548 to £38,833 per annum

Applications are invited for the post of Senior Research Associate (SRA) to undertake research in the physical oceanographic and meteorological processes in the Bay of Bengal and the South Asian monsoon. The SRA will work with Professor Adrian Matthews on the UK Natural Environment Research Council and India Ministry of Earth Sciences funded Bay of Bengal Boundary Layer Experiment (BoBBLE) project.

The South Asian summer monsoon (June-September) provides 80% of the annual rainfall for over one billion people, many of whom depend on monsoon rains for subsistence agriculture and fresh water. Ocean-atmosphere interactions are a key process in monsoon behaviour. The BoBBLE project consisted of a fieldwork component during the summer monsoon season of 2016. An oceanographic research ship and twelve autonomous marine vehicles (five gliders and seven floats) were deployed in the southern Bay of Bengal to measure oceanographic and meteorological processes.

The SRA will continue the analysis of the extensive BoBBLE data set to examine the role of ocean-atmosphere processes in regulating the Asian summer monsoon. They will analyse the glider data and compare these with theory and numerical model output. They will lead publications to publish the results in international peer reviewed journals.

The research will be based within the Centre for Ocean and Atmospheric Sciences (COAS) at UEA.

Essential requirements for the post include a PhD in physical oceanography or meteorology or climate science, and a publication record showing evidence of international quality. You should have excellent oral and written communication skills, with experience of presenting results at conferences. You should be able to meet the essential criteria set out in the Person Specification.

This full time post is available from 15 May 2018 for a fixed term period of up to 20 Months.

[Apply for this post](#)

Closing date: 19 March 2018.

The University is a Bronze Athena Swan Award holder, currently working towards Silver

[Further Particulars for RA1500](#)

Senior Research Associate

REF: RA1501

School of Environmental Sciences, University of East Anglia

£32,548 to £38,833 per annum

Applications are invited for the post of Senior Research Associate to undertake research in the physical oceanographic and meteorological processes in the Indian Ocean and Maritime Continent. The SRA will work with Professor Adrian Matthews on the UK Natural Environment Research Council and US National Science Foundation funded Equatorial Line Observations (ELO) project. The Maritime Continent is the tropical archipelago between the Indian and Pacific Oceans, consisting of the large islands of Sumatra, Java, Borneo, New Guinea, and the Philippines, Peninsular Malaysia, and many smaller islands, set amongst shallow seas. It lies at the heart of the tropical warm pool – the region of high sea surface temperatures that extend from the Indian Ocean into the western Pacific. As such, it is sometimes termed the “boiler box” of the Earth’s climate system. Multiple atmospheric convective systems (thunderstorms) over the area combine to produce a region of intense rainfall. The energy liberated by these convective systems is a major heat source in the Earth’s atmosphere, and can drive weather and climate patterns across the globe.

The individual atmospheric convective systems over the Maritime Continent are organised into much larger systems, such as convectively coupled Kelvin waves (CCKWs) and the Madden-Julian Oscillation (MJO). The dynamics and interactions of CCKWs and the MJO are only partially known, and represent a major research challenge in tropical climate dynamics. A crucial part of these systems are their interactions with the ocean, which can strongly modify the development and propagation of the atmospheric weather systems. The ELO project seeks to understand the dynamics of CCKWs over the Maritime Continent, and their interaction with other modes of variability such as the MJO. ELO is centred on a major fieldwork programme in the Maritime Continent, from November 2018 to February 2019. The SRA will be responsible for the oceanographic part of the ELO field programme, under the supervision of the project Investigators. This will involve the deployment, piloting and recovery of two ocean gliders in the eastern Indian Ocean, and analysis of the subsequent data to examine the role of ocean-atmosphere processes in CCKWs. They will lead publications to publish the results in international peer reviewed journals.

The research will be based within the Centre for Ocean and Atmospheric Sciences (COAS) at UEA.

Essential requirements for the post include a PhD in physical oceanography or meteorology or climate science, and a publication record showing evidence of international quality. You should have excellent oral and written communication skills, with experience of presenting results at conferences. You should be able to meet the essential criteria set out in the Person Specification.

This full time post is available from 15 June 2018 for a fixed term period of up to 19 Months.

[Apply for this post](#)

Closing date: 19 March 2018.

The University is a Bronze Athena Swan Award holder, currently working towards Silver

- [Further Particulars for RA1501](#)



Job offer in marine environment forecasting

A 2-year post doc position is available at the Modelling for Aquatic Systems research group ([MAST](#)) of the University of Liège (ULiège) (Belgium). MAST is devoted to the development of ocean numerical models for understanding, forecasting and managing the ocean. The position is offered in the frame of the European Union Copernicus Marine Environment Monitoring Service ([CMEMS](#)). The CMEMS provides state-of-the-art analyses and forecasts of the ocean state each day combining information from observations (both satellite and in-situ) and numerical ocean models. This information is freely available to a wide community of users offering an unprecedented capability to observe, understand and anticipate marine environment events. The MAST is part of the Black Sea marine forecasting centre (BS-MFC) as a production unit for the biogeochemistry of the Black Sea.

The post doc will have to work on the research and development part of the biogeochemical operational model of the Black Sea. He/she will have to make the necessary adaptations and fine tuning of an existing biogeochemical model (BAMHBI for Biogeochemical Model for Hypoxic and Benthic Influenced Areas) (already run in operational) in lines with new expectations and for further fine tuning the quality of the results. In particular, a submodule describing the dynamics of carbonate systems adapted to the oxygen deficient conditions of the Black Sea will have to be developed and coupled with BAMHBI. Multidecadal simulations will be performed and model skills will be thoroughly assessed using in-situ (e.g. Argo floats) and satellite (e.g. Sentinel 3) data delivered by the CMEMS in-situ and ocean color thematic assembly centers. Based on models skills, the necessary model adaptations will have to be done (e.g. refinement of the optical model, processes at the transition layer between oxygenated and anoxic zone). In connection with the research performed in the MAST group, improvements of model quality thanks to data assimilation will be assessed.

The post-doc will have to contribute to the yearly CMEMS Ocean State Report delivered by estimating the long term trend in biogeochemical variables with for instance, a particular attention to the deoxygenation issue and assessment of the pH state. Ocean Monitoring Indicators that can be derived from model outputs and are relevant for climate change assessment will have to be developed and tested.

Requirements for application:

- PhD in ocean numerical modelling or equivalent.
- Talent for computational scientific work.
- Experience with biogeochemical modelling and supercomputers will be an asset.
- Good knowledge in English is necessary.

Our offer: The employment contract will start as soon as possible and be of fixed duration (2 years with eventually one additional year and beyond in fundings permit). The applicants will be hired as a post-doc. The workplace is Liège University, Sart-Tilman, Liege, Belgium. He/she will be integrated in the Freshwater and Oceanic sCience Unit of research (FOCUS) of the Liege University and in the Black Sea marine forecasting centre (BS-MFC) which gathers the Institute of Oceanology from the Bulgarian Academy of Sciences (IO-BAS), Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici – CMCC, Liege University, Institute for Coastal Research from Helmholtz-Zentrum Geesthacht, Sofia University, the National Romanian Institute of Hydrology and Water Management and the Istanbul technical University.

The post-doc will have to participate to CMEMS meetings (e.g. Product quality working groups, the Copernicus marine weeks, training events) and other meetings and international working groups related to the work.

How to Apply: The candidate should send as soon as possible by e-mail his/her curriculum vitae, a covering letter of motivation, together with two references (name and email address), to Marilaure Grégoire (email: mgregoire@ulg.ac.be) with copy to oceanphys@ulg.ac.be. Applications will be considered until the position is filled. Selected candidates will be invited for an oral (skype) interview.



Researcher/Ocean modeller

The Finnish Meteorological Institute is a service and research institute that produces high-quality observational data and research findings on the atmosphere and seas. The Institute uses its expertise to provide services that promote public safety and enhance well-being among people and in the environment.

Finnish Meteorological Institute (FMI) is seeking a researcher for a fixed time contract at FMI's Marine Research Unit. The successful candidate will work in the Operational Oceanography group with main duties in the CMEMS BAL MFC service. The main task is developing coupled wave-ice-ocean model for the Baltic Sea based on WAM and NEMO-LIM3 models.

Qualifications - candidates must have

Candidates with a Ph.D. degree in relevant fields (e.g. physical oceanography, meteorology, physics and applied mathematics) will be considered. Furthermore, a successful candidate must meet the following essential criteria:

- Strong background in physical oceanography
- Skilled at oceanographic modelling
- Good publication record
- Fluency in written and spoken English, and willingness to work internationally
- Ability to carry out independent research as well as work as part of a team

Other desirable qualifications are

- Good knowledge of oceanographic forecast systems
- Good communication and interaction skills
- Experience in NEMO or WAM model
- Programming skill with Fortran and Python

The position will be located in Helsinki, Finland. The contract can start as soon as possible and will last until the end of March 2021. Salary will be based on experience and performance according to the FMI salary scale (approximately 44,000 € to 50,000 € per annum).

For more details, please contact Head of Group Laura Tuomi; laura.tuomi@fmi.fi or tel. +358 40 861 7967.

To apply, send a short application together with a CV and publication list and max. two references to <https://www.valtiolle.fi/en-US/Vacancy?id=31-29-2018> by 29 March 2018 at 14 p.m. (EET).

You must register and create an account to Valtiolle.fi recruiting system before leaving your application.

(Login to Applications <https://haku.valtiolle.fi/Public/Login/Applicant.aspx>)

The system user guide for an applicant: <https://www.valtiolle.fi/en-US/Guide>

Call for Applications for an Early-Career Scientist to Join the SCOR Executive Committee

The Scientific Committee on Oceanic Research (SCOR) is an international non-governmental organization whose vision is to advance international ocean research, within and across disciplines, by stimulating international cooperation in ocean sciences. More information about SCOR can be found at www.scor-int.org.

SCOR is governed by an Executive Committee that currently includes 10 members: (1) 6 officers elected from among national SCOR committees, (2) 3 presidents (or their designees) of other parts of SCOR's parent organization (the International Council for Science) that have interests in ocean science, and 1 member appointed by the Executive Committee to add expertise to the committee, currently in geology. More information about the SCOR Executive Committee and its composition can be found at http://www.scor-int.org/SCOR_ExComm.htm. SCOR rules allow the addition of one additional member to the Executive Committee to further improve the balance of membership on the committee. At the 2017 annual SCOR meeting, the Executive Committee decided to add an early-career scientist to the committee, to add perspectives from younger scientists to SCOR discussions.

Job Description: The early-career scientist will have the same responsibilities as other SCOR Executive Committee members (see http://scor-int.org/EC_Job_Descriptions.pdf). The duties of SCOR Executive Committee Members require a few hours each week for responding to emails and reviewing documents, as well as participation in one in-person meeting per year, the annual SCOR meeting. SCOR will pay for the travel costs related to the SCOR meeting. The term of appointment will be for two years.

Requirements: Applicants should be no more than 10 years post-Ph.D. or 40 years of age, and should be affiliated to an ocean science organization, institution or government agency. Applicants should have good communication skills in English, both speaking and writing.

Application and Review Process: Applicants should submit (1) the [Application Form](#) form, (2) a short CV, and (3) two reference letters to Ed Urban (ed.urban@scor-int.org) by 23:00 GMT on 31 March 2018. The SCOR Executive Committee will make a selection by 30 April 2018.

Looking for a job in marine science ?
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the CIESM team
Mediterranean Science Commission

There are jobs on the IMBER web site

<http://www.imber.info>



Integrated Marine Biosphere Research

IMBeR e-News

Announcements and reminders

- [Call for session proposals for the 2nd IMBeR Open Science Conference, Brest, France, 17-21 June 2019 coming soon!](#)
- [ESSAS Annual Science Meeting, Fairbanks, AK, USA. 12-14 June 2018. Applications open soon](#)
- [Call for CLIOTOP Task Teams. Seed funding is available. Submit proposals by 16 March](#)
- [Call for 2018 SCOR Working Group proposals. Submit by 16 April](#)
- [SDG14.3 Update. Enhancing global ocean acidification monitoring and research by GOA-ON](#)
- [App for ocean acidification SQpHIE \(the Surface ocean pH interactive explorer\) wins award](#)
- [Call for nominations for the Scientific Committee of the ICSU World Data System. Submit by 5 March](#)
- [Ocean Acidification highlights from the OA- International Coordination Centre](#)
- [Call for abstracts for community white papers for OceanObs'19. Submit by 15 March](#)

Conferences, meetings, workshops and webinars

- [Network of IMBeR Early Career Scientists \(NIECS\) are convening a workshop for EU-based early career researchers, on operating effectively at the science-policy-society interface, Losnij, Croatia, 17-20 June 2018. Apply by 5 March](#)
- [IMBeR ClimEco6 summer school - Interdisciplinary approaches for sustainable oceans, Yogyakarta, Indonesia. 1-8 August 2018. Apply by 26 March](#)
- [4th CLIOTOP Symposium, NTOU, Keelung, Taiwan. 15-19 Oct. Call for abstracts opens soon](#)
- [Lessons from two high CO2 Worlds, São Miguel, Azores. 10-12 April. Early bird deadline: 2 March](#)
- [Webinar: Voluntary Commitment platform and engaging with Communities of Ocean Action for SDG14. 27 Feb, 10:00-11:00 \(EST\). Register here](#)
- [Practical training on ocean acidification, Fiskebäckskil, Switzerland. 4-22 June. Apply by 13 April](#)

Jobs and opportunities

- [POGO-SCOR Visiting Fellowship Program. Apply by 9 April](#)
- [Postdoc: Ecosystem modelling, IMR, Bergen, Norway. Apply by 25 March](#)
- [Postdoc: Population and multi-species dynamics., Oslo, Norway. Apply by 15 March](#)
- [Postdoc: Microbial ecology, Marine Biological Association, UK. Apply by 16 March](#)
- [Postdoc: Microbiology, Marine Biological Association, UK. Apply by 16 March](#)
- [Research technician, Marine Biological Association, UK. Apply by 16 March](#)
- [Director of Marine Institute: Plymouth Marine Institute, Plymouth, UK. Apply by 5 March](#)
- [Research Associate/Lab Manager, Stanford, CA, USA. Apply now](#)
- [15 PhDs: Biodiversity and conservation. Inspire4Nature in Europe. Apply by 16 April](#)
- [Student summer opportunities, VLIZ, Oostende, Belgium. Apply by 16 April](#)
- [Shark project volunteer, Charles Darwin Institute, Galapagos Islands, Ecuador. Apply by 1 March](#)
- [Postdoc Ecosystem indicators, Stony Brook University, NY, USA. Apply by 3 April](#)
- [Free marine data management consultancy for marine scientists offered by EMBRIC](#)

Visit the IMBeR Website