

SECOND ANNOUNCEMENT

2nd INTERNATIONAL OCEAN RESEARCH CONFERENCE

Barcelona (Spain), 17-21 November 2014



one planet
one ocean



ONE PLANET ONE OCEAN

The **2nd International Ocean Research Conference (IORC)** is an opportunity for the scientific community to come together to plan the coming decade of international collaboration in marine science and technology, with a view to improving ocean governance. The inaugural IORC was held in June 2005, when the Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO), together with The Oceanography Society (TOS), brought attendees together to discuss expected developments in marine sciences in the decade that followed. Now, almost ten years later, the same institutions are convening the 2nd IORC to review progress made in ocean science in the last twenty years, and plan ahead in light of important policy developments such as The Future We Want (UNCSD Rio+20) and Future Earth.

WHY YOU SHOULD ATTEND

Advancements in ocean science are occurring with unprecedented speed due to opportunities presented by 21st century technology, and it is essential that the scientific community, policy makers and NGO representatives discuss these advancements. This conference has an interdisciplinary focus, encompassing oceanographic, social science and economic perspectives on ocean research. The three key topics of this conference are the pillars for the development of ocean science. It will provide an opportunity for attendees to communicate progress in their fields, discuss practical applications of new technological developments, share experiences, identify synergies and create a new research agenda for a coordinated response to future ocean challenges. The wide range of side events and other entertainment, as well as the atmosphere of Barcelona will form a superb backdrop to the networking opportunities and discussion taking place at the conference itself.

SCIENTIFIC SCOPE

The conference will provide excellent opportunities to gain insight into the latest oceanographic research through theme sessions, which are outlined below. Keynote speakers will further expand upon the main themes. The IORC will demonstrate the breadth and global impact of ocean research and its fascinating contributions in terms of new knowledge on pressing issues, including climate change, ocean governance and capacity building. Please check the conference website for more details.

EARLY CAREER SCIENTISTS

The IORC encourages the involvement of early career scientists through a stipend programme encouraging them to submit abstracts and take an active role in the conference, as well as a networking reception with senior mentors, among other initiatives. The stipend programme designed to facilitate conference attendance by early career scientists (postgraduates under 38 of age) will include a discounted registration fee and 50 grants of 300 € (lump sum), which should cover accommodation costs. Those applying for a stipend are required to submit an abstract. The workshops held before the conference will be open to all registered participants.

See www.iocunesco-oneplanetoneocean.fnob.org for details.



STREAMING & BROADCASTING

Video broadcasts of the proceedings of the IORC will be accessible online and free of charge for online conference access.



SCIENCE PROGRAMME

The conference will be comprised of keynote lectures, workshops, panels, oral presentations and poster sessions.

Download IORC programme: www.iocunesco-oneplanetoneocean.fnob.org in the programme menu

Posters will be displayed for the entire conference. Poster sessions will take place on Monday 17 November and Wednesday 19 November.

Oral presentations will be delivered on three topics during 14 thematic sessions and several workshops.

KEYNOTE LECTURE SPEAKERS

DATE	TIMES	ROOM	KEY NOTE LECTURE SPEAKER
17 November	10:15-11:00	Plenary room 112	JANE LUBCHENCO (USA) DELIVERING ON SCIENCE'S SOCIAL CONTRACT
18 November	08:30-09:30	Plenary room 112	SAM DUPONT (Sweden) GET READY FOR OCEAN ACIDIFICATION
19 November	08:30-09:30	Plenary room 112	ALIDA BUNDY (Canada) HOW DO WE REVERSE THE CURRENT? ON THE NEED TO INTEGRATE BOTH HUMANS AND NATURE INTO OCEAN SCIENCE, MANAGEMENT AND GOVERNANCE
20 November	08:30-09:30	Plenary room 112	SHIN-ICHI UYE (Japan) THE EAST ASIAN MARGINAL SEAS: A JELLYFISH HOTSPOT IN A BUMPY ROAD TO FISHERY SUSTAINABILITY
21 November	08:30-09:30	Plenary room 112	DANIEL PAULY (France) FISHERIES AND GLOBAL WARMING; IMPACTS ON MARINE ECOSYSTEMS
CLOSING SESSION			
21 November	16:30-18:00	Plenary room 112	LISA EMELIA SVENSSON (Sweden) AND WENDY WATSON WRIGHT (Canada)



WORKSHOPS

The following workshops are already included
in the programme (Sunday 16th November)

AM	PM	ROOM	WORKSHOPS
10:00-12:30	14:00-17:00	Room 131	WS1 SCIENTISTS SHARING DATA: EXISTING DATABASES, IMPROVING ACCESS, DATA POOR AREAS. Peter Wiebe (USA)/ Ward Appeltans (Belgium)
10:00-12:45	14:00-16:00	Room M216	WS2 CASE STUDIES OF NEW MECHANISMS FORM IMPROVING OCEAN GOVERNANCE. Oran Young (Norway)/ Larry Hilderbrand (Sweden)
10:00-12:30	14:00-17:00	Room 132	WS3 ONE OCEAN: THE GLOBAL CIRCULATION AND INTERCONNECTED ECOSYSTEMS. Erik Van Sebille (Australia) /Janet Sprintall (USA)
10:00-12:30	14:00-17:00	Room 215	WS4 GENES TO ECOSYSTEMS: GENOMIC TOOLS TO UNDERSTAND ECOSYSTEM FUNCTION. Xabier Irigoyen (Saudi Arabia)/Ann Bucklin(USA)
10:00-12:30	14:00-17:00	Room 133	WS5 GLOBAL REPORTING OF ASSESSMENTS OF THE STATUS OF MARINE ENVIRONMENTS. Julian Barbieri (France)/ Juan Bellas (Spain)
10:00-12:30	14:00-17:00	Room M218	WS6 ACHIEVEMENTS AND FUTURE RESEARCH ON MICRO-PLASTICS IN THE MARINE ENVIRONMENT. Peter Kershaw (UK)/Richard Thompson (UK)/Alexander Turra (Brazil)
10:00-12:30	14:00-17:00	Room 134	WS7 HOW IS YOUR ECOSYSTEM DOING? ADVANCES IN THE USE AND UNDERSTANDING OF ECOSYSTEM INDICATORS. Lynne Shannon (South Africa)/William Dennison (USA)
10:00-12:30	14:00-17:00	Room M217	WS8 PROMOTING COMMUNICATION WITHIN THE EARLY CAREER MARINE SCIENTISTS. Mike Roman (USA)/Vangelis Papatthanassiou (Greece)/Stefania Klayn (Greece)
10:00-13:15	14:00-17:00	Room M219-M220	WS9 EUROPEAN MARINE POLICY AND ITS IMPLEMENTATION THROUGH PROJECTS FOR MARINE MONITORING FOR BLUE GROWTH. Paolo Barattini (Italy)/ Esther Garcés (Spain)



MORNING PANELS

DATE	TIMES	ROOM	MORNING PANELS	MODERATOR	SPEAKERS
17 November	11:30-13:00	Plenary room 112	THE DAWN OF THE ROBOTIC EXPLORATION OF OUR PLANET OCEAN.	Jack Barth (USA)	Breck Owens (USA) Jim Bellingham (USA) Vincent Rigaud (France) Joaquin Tintoré (Spain)
18 November	9:30-11:00	Plenary room 112	THE FUTURE OF LARGE INTERNATIONAL PROGRAMS IN SUPPORT OF NEW OCEAN SCIENCE AND LESSONS LEARNED FROM PAST PROGRAMMES.	Manuel Barange (UK)	Liana McManus (Philippines) Martin Visbeck (Germany) Mike Roman (USA) Patricio Bernal (Chile)
19 November	9:30-11:00	Plenary room 112	THE SCIENCE-POLICY INTERFACE: SCIENTISTS COMMUNICATING WITH DECISION-MAKERS.	Jane Lubchenco (USA)	Alan Simcock (UK) Carol Turley (UK) Niall McDonough (Belgium) David VanderZwaag (Canada)
20 November	9:30-11:00	Plenary room 112	A PARADIGM SHIFT FOR SUSTAINABLE, PRODUCTIVE FISHERIES: THE NEED TO MOVE FROM SELECTIVE FISHING TO BALANCED HARVESTING.	Jack Rice (Canada)	Jeppe Kolding (Norway) Gabriela Bianchi (Italy) Qisheng Tang (China)
21 November	9:30-11:00	Plenary room 112	BIODIVERSITY, CONSERVATION AND THE INTERFACE WITH HUMAN NEED AND GREED.	Peter Neill (USA)	Joachim Claudet (France) Mark Costello (New Zealand) Simonetta Fraschetti (Italy) Patricia Miloslavich (Venezuela)

THEMATIC SESSIONS

Sixteen thematic sessions were selected covering the three main topics:

TOPIC 1

Building scientific knowledge

DATE	TIMES	ROOM	THEME SESSION	TOPIC 1 BUILDING SCIENTIFIC KNOWLEDGE	CHAIRS	INVITED SPEAKERS
17 November	14:30- 18:00	Room 133-134	T1 TS1	THE CHANGING POLAR CLIMATE SYSTEMS	Miquel Alcaraz (Spain) Vladimir Ryabinin (Russia)	Helen Phillips (Australia)
19 November	14:30- 18:00	Room 133-134	T1 TS2	REGIONAL WARM SEAS:A LABORATORY FOR THE FUTURE	Jordi Salat (Spain) Maurizio Ribera (Italy)	Xabier Irigoyen (S.Arabia)
20 November	11:30- 16:00					
18 November	11:30- 18:00	Room 111	T1 TS3	LOW OXYGEN & LOW PH ENVIRONMENTS IN COASTAL & OCEAN WATERS	Richard Feely (USA) Marilaure Gregoire (Belgium)	S Wajih Naqvi (India)
19 November	11:30- 13:00					
18 November	11:30- 18:00	Room 112	T1 TS4	NEW FRONTIERS IN MODELLING FOR OCEANOGRAPHY,FISHERIES & MARINE ECOSYSTEM MANAGEMENT	Shin-ichi Ito (Japan) Pierre Petitgas (France)	Coleen Moloney (South Africa)
18 November	16:30- 18:00	Room 131-132	T1 TS5	TRANSFORMING OUR UNDERSTANDING OF OCEAN PROCESSES THROUGH NEW TECHNOLOGIES	Jack Barth (USA) Gabriel Gorsky (France)	Douglas Connelly (UK)
19 November	11:30- 18:00					
17 November	14:30- 18:00	Room 111	T1 TS6	HOW MANY SPECIES IN THE OCEAN? TRENDS IN BIODIVERSITY	Marta Estrada (Spain) Ward Appeltans (Belgium)	Marc Costello (New Zealand)



TOPIC 2

Applying knowledge for societal benefit: Achieving ecosystem management and sustainability

DATE	TIMES	ROOM	THEME SESSION	TOPIC 2	CHAIRS	INVITED SPEAKERS
				APPLYING KNOWLEDGE FOR SOCIETAL BENEFIT: ACHIEVING ECOSYSTEM MANAGEMENT & SUSTAINABILITY		
18 November	16:30-18:00	Room 133-134	T2 TS1	CORAL REEFS SUSTAINING BIODIVERSITY IN THE FACE OF CLIMATE CHANGE & HUMAN IMPACTS	Aldo Croquer (Venezuela)	Thomas Goreau (Jamaica)
19 November	11:30-16:00					
17 November	14:30-18:00	Room 131-132	T2 TS2	RESPONSE OF MARINE BIOTA TO HUMAN PRESSURES & CLIMATE CHANGE; ITS IMPLICATIONS FOR SOCIAL-ECOLOGICAL SYSTEMS	Katja Fennel (Canada)	Emma Cebrian (Spain)
18 November	11:30-16:00					
20 November	16:30-18:00	Room 133-134	T2 TS3	RECOVERY & SUSTAINABILITY OF LARGE MARINE ECOSYSTEMS AROUND THE WORLD	Kenneth Sherman (USA)	Kenneth Sherman (USA)
21 November	11:30-16:00					
19 November	14:30-18:00	Room 111	T2 TS4	POLLUTION FROM LAND BASED ACTIVITIES: TOWARDS SMART CITIES & HEALTHY OCEANS	Luiz Drude Lacerda (Brazil)	William Dennison (USA)
20 November	11:30-16:00					
17 November	14:30-18:00	Room 133-134	T2 TS5	OPERATIONALIZING ECOSYSTEM-BASED MANAGEMENT: THE CHALLENGES OF TRANSLATING SCIENTIFIC KNOWLEDGE INTO DECISION TOOLS FOR INTEGRATED MANAGEMENT.	Yvonne Walter (Sweden)	Rafael Sardà (Spain)
18 November	11:30-16:00					



TOPIC 3

Improving governance and building capacities

DATE	TIMES	ROOM	THEME SESSION	TOPIC 1 IMPROVING GOVERNANCE & BUILDING CAPACITIES	CHAIRS	INVITED SPEAKERS
20 November	11:30- 18:00	Room 112	T3 TS1	OCEAN GOVERNANCE IN THE FACE OF SOCIETAL PRESSURES & UNCERTAIN PREDICTIONS	Biliana Cicin-Sain (USA) David VanderZwaag (Canada) Fokion Vosniakos (Greece)	Enrique de Villamore (Spain)
21 November	11:30- 16:00					
20 November	16:30- 18:00	Room 111	T3 TS2	SUCCESS STORIES IN CAPACITY-BUILDING IN OCEAN SCIENCES	Albert Fischer (France) Nicholas Bates (Bermudas)	Karen H. Wiltshire (UK)
21 November	11:30- 16:00					
20 November	11:30- 18:00	Room 131-132	T3 TS3	THE VALUATION OF COASTAL & MARINE ECOSYSTEM SERVICES	Paolo A.L.D. Nunes (Portugal) Maria Betti (European Commission)	Juan-Carlos Miquel (Monaco)

CALL FOR PAPERS

The conference will be conducted in English. Translation to French, Spanish and Catalan will only be provided during the opening ceremony.

Abstracts should pertain to one of the topics or sessions listed above. They must be written in English and submitted via the conference website.

The sessions will include oral communication and posters and the authors should choose one of these modalities. Abstracts will be evaluated by the International Scientific Committee on the basis of technical quality and relevance to the topics. Due to time constraints, poster submissions are highly recommended. Depending on time constraints and allocations, abstracts submitted for oral presentation could be accepted as posters.

Abstracts must refer to one theme only. Posters can refer to one theme session but also to one workshop.

Deadline for abstract submission: 30 June 2014

REGISTRATION & CONFERENCE FEES

An online application form is available at
www.iocunesco-oneplanetoneocean.fnob.org

This is the only way to register for the Conference.

- Early registration fee (for registrations before 15 April 2014): 150 €
- Regular fee (15 April onwards): 175 €
- Early Career Scientist fee: 75 €
- Online broadcast access: free



If you wish to submit an abstract, the registration fee must be paid at the time of submission. The registration fee can be paid at any time by those participants who do not wish to present abstracts.

Payment methods are outlined at
www.iocunesco-oneplanetoneocean.fnob.org

The registration fee includes: welcome reception, access to the venue and all sessions, book of abstracts, morning and afternoon coffee breaks during the conference and the blue cocktail evening on Wednesday 19 November.

Early career scientists applying for a stipend must indicate their intention to do so, and include supporting documentation (birth date, affiliation and abstract) in the registration form.



INTERNATIONAL SCIENTIFIC COMMITTEE

MIKE ROMAN	TOS
LUIS VALDÉS	IOC-UNESCO
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JANET SPRINTALL	USA
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KATJA FENNEL	CANADA
ALIDA BUNDY	CANADA
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PRESS & COMMUNICATIONS

Press conferences will be organized daily during the week of the conference. A daily publication will be made available detailing the previous day's events.

SIDE EVENTS & EXHIBITIONS

TV Corners (16-21 Nov, 8:30-19:30h)

There will be six areas designated to TV Corners in the Lobby of the International Conference Center of Barcelona (CCIB) which will display information on:

- | | |
|----------------------|--|
| -Ocean Acidification | Producers: Kirsten Isensee (IOC) and Lina Hansson (OA-ICC) |
| -Biodiversity | Producers: Salvatore Arico (UNESCO) and Ward Appeltans (OBIS) |
| -Plastics | Producers: Rejane Herve-Smadja (IOC) and Jo Ruxton (PlasticOceans) |
| -Polar Oceanography | Producers: Vladimir Ryabinin (WCRP) and Miquel Alcaraz (CSIC) |
| -Research vessels | Producers: José Ignacio Díaz (IEO) and Geraint West (NOC) |
| -Ocean literacy | Producers: Emily Koulouvaris (PERSEUS) and Francesca Santoro (IOC) |

Pre-recorded messages will be played here, featuring industry leaders, Academics and NGO representatives.

Transboundary Waters Assessment Programme (17 Nov, 13:15h to 14:30h)

Presents the UN scientific reports on Transboundary Waters Assessment Programme (TWAP) in Room 131-132. TWAP consists of five independent indicator-based assessments and the linkages between them, including their socioeconomic and governance-related features.

Global Ocean Commission (18 Nov, 13:00-14:30h)

This event will provide an opportunity for experts and scientists to discuss the role of ocean conservation measures for the recovery of fish stocks and marine ecosystems, as well as for climate change resilience. The audience will be invited to discuss the current gaps in the ocean policy-science interface and their implications in Room 131-132.

The Future Ecosystem Approach to Fisheries-Nansen Programme (19 Nov, 13:00-14:30h)

The side event is organized by The Future Ecosystem Approach to Fisheries – Nansen Programme (EAF-NANSEN) as an opportunity to introduce the future programme and provide feedback from possible national and international partners in Room 131-132.

Microplastics GESAMP (20 Nov, 13:45-14:25h)

Presentation of the Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP) report in reference to microplastics in Room 131-132.

CETaqua - AGBAR (21 Nov, 13:00 -14:30h)

Presentation of the FP7 PEARL Project Preparing for extreme and rare events in coastal regions and FP7DESSIN - Demonstrate ecosystem services enabling innovation in the water sector, Room 131-132.

The Oceanography Society (16-21 Nov, 8:30-19:30h)

Exhibitor and information on The Oceanography Magazine in the CCIB Lobby.

Plastic Corner (16-21 Nov, 8:30-19:30h)

An exhibition area in the lobby of the CCIB that also provides bottles of water for everyone during the conference and collects and recycles. So please remember to recycle your bottle here.

Visit the scientific vessels and IMOCA 60 boats (17-21 Nov, 10:00-13:30 and 16:00-19:00h)

The Instituto Español de Oceanografía (IEO Spain) will be celebrating its centenary by basing its Research Vessels 'Ramon Margalef' and 'Francisco P. Navarro' at the Moll de la Fusta open for attendees to visit. The catamaran 'SOCIB', a coastal ocean research vessel together with The Barcelona World Race IMOCA 60 boats, 'One Planet One Ocean' and 'Mirabaud' will also be moored alongside these vessels and open to the general public.

Film festival (18 Nov, 15:00 and 19:00h)

Films from the 2014 Marseille Underwater Film Festival will be screened at the Museu Marítim. Entrance is free for the conference registered participants. For further information please contact the symposium desk.



[Barcelona Underwater Exhibition](#) (24 October 2014 - 12 April 2015)

One of the World's most important collections of aquatic cameras and sub aquatic photographs and cinema can be seen at the Museu Marítim. Further information www.mmb.cat

[Barcelona Underwater Festival](#) (29 October 2014 - 11 March 2015)

Conferences, exhibitions, films and the celebration of 150th anniversary of the launching of the submarine "Ictineo-II", the first of its kind with anaerobic propulsion at the Museu Marítim. Further information www.mmb.cat

[Museu Blau - Natural History Museum of Barcelona](#) (16-21 Nov)

Free access (with conference accreditation pass) to visit the Museu Blau - Natural History Museum of Barcelona. Further information www.museuciencies.nat

[A conference on oceanographic science and extreme sailing](#) (20 Nov, 19:00 - 20:00h)

Conference/round table with skipper Calí San Martí his experiences during the BWR 2010-2011 on the We Are Water OPEN 60 boat and Josep M^a Gili, Research Professor of the Spanish National Research Council-Institute Marine Science Barcelona. The conference will take place at the Museu Blau - Natural History Museum of Barcelona. Further information www.museuciencies.nat

[Botanical Garden of Barcelona](#) (16-21 Nov, 10:00 - 17:00h)

Free pass care of Museu Blau (with the conference accreditation pass) to visit the Botanical Garden of Barcelona. Further information www.museuciencies.cat

SOCIAL EVENTS

[Welcome Reception](#) (16 Nov, 18:30 – 19:30h)

A welcome reception hosted by the Barcelona city council at the Saló de Cent. Shuttle buses will be available departing from CCIB to the City Council at 17:45 and return to CCIB at 19:45

[Blue cocktail evening](#) (19 Nov, 20:30 – 22:30h)

The conference dinner, The Blue Cocktail evening, will be held in the Sala Grada Major of the Museu Marítim de Barcelona - The Barcelona Maritime Museum is located very close the Ramblas and city center, Av. de les Drassanes s/n (Metro L3 - Drassanes). Shuttle buses will be available and will depart from CCIB to the Barcelona Maritime Museum at 19:45 and return to CCIB at 22:30h.

OTHER INFORMATION

Venue & Dates: The 2nd IORC will be held on 17-21 November 2014 at the CCIB (Barcelona International Conference Centre.) The CCIB is located in the heart of the technology and business district Barcelona 22. The CCIB is world renowned for the originality of its architecture, the versatility of its column free meeting spaces, and for the superb use it makes of the warm, natural Mediterranean light.

Air Travel: Barcelona International Airport is serviced by all major airlines and is connected with most European capitals with several daily flights. It is also connected with major cities around the world by at least 1 daily flight. The CCIB can be reached from the airport by taxi, bus and train.

Passport & Visas: EU citizens from Schengen-zoned countries are required to have either their national identity cards or a valid passport. All other attendees must have a valid passport. Passport holders from a large number of countries do not need a visa, however, attendees are advised to check their respective country's Travel Advice Centre for visa requirements and other important information.



Security Arrangements: There are no specific security arrangements in place.

Currency: Euro (€). Major credit cards are accepted at most hotels, restaurants and shops. Credit cards are also accepted by some taxi companies.

Power Supply & Internet: Power supply is 220 volts and round type plugs (Europlug) are used. Internet access is available at most venues.

Weather: The weather in November should be pleasant with mild wind and air temperature close to 15°C during the day; however, it is likely to be cooler during the evening.

Time Zone: Barcelona is one hour ahead of Greenwich Mean Time. (GMT +1)

Hotels: Most key hotel brands are situated within easy walking distance of the Conference Center. Special Conference rates available at Viajes El Corte Inglés iorcbarcelona@viajeseci.es

The conference directorate determines that the CCIB shall be the chosen venue for the 2nd International Ocean Research Conference, for its commitment to the environment: the CCIB measures and compensates the carbon footprint generated through the conferences that take place there.





2nd INTERNATIONAL OCEAN RESEARCH CONFERENCE

IN THIS CIRCULAR

- Why you should attend this Conference
- Science Programme
- Call for Abstracts
- Side Events and Exhibitions
- Social Events
- Early Career Activities

DATES TO REMEMBER

- Reduced fee deadline - 15 April 2014
- Stipend application deadline - 30 June 2014
- Abstract submission deadline - 30 June 2014

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Organisation



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