

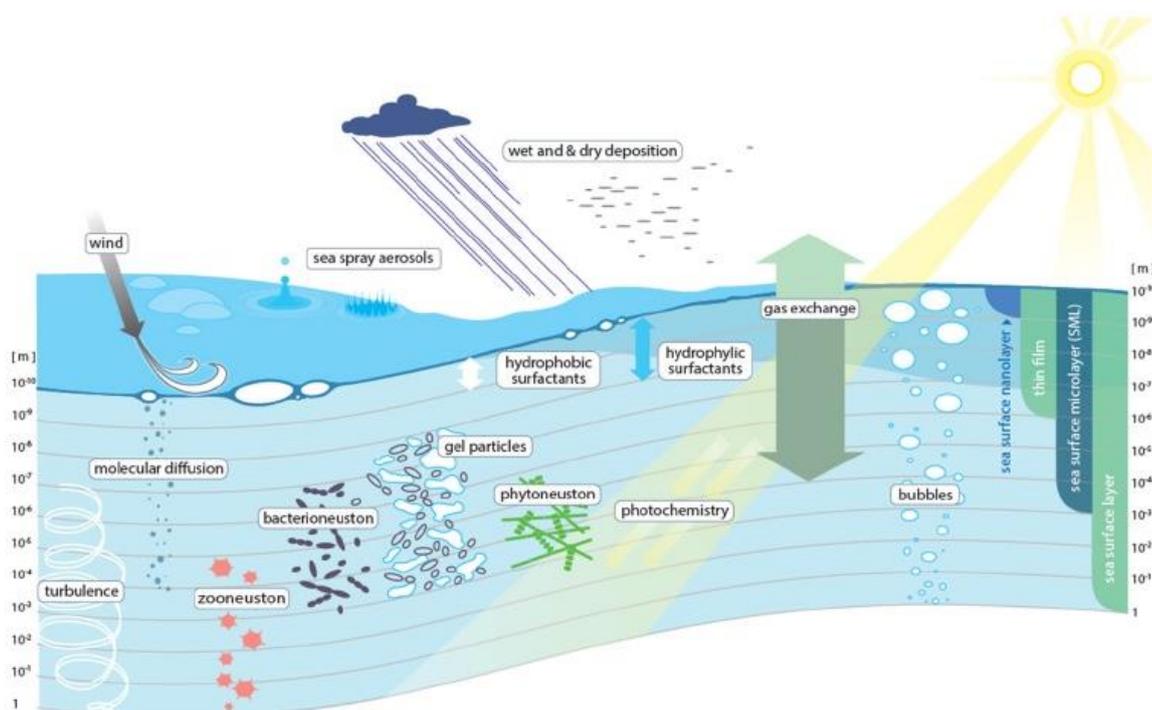
SOLAS update

- Hardcopies of the [SOLAS 2015-2025 Science Plan and Organisation](#) finally arrived to the SOLAS International Project Office (IPO), if you wish to receive one, please email the [us](#).
- National reports on activities of 2016 and future plans are available. Since early May, 3 more reports have been posted on our [website](#): India, France and Peru. In addition, a pdf with all 21 reports can be downloaded [here](#).
- Download and read issues 2 and 3 of our **SOLAS event report**.
 - [Issue 2](#) reports on the Ocean Acidification practicals training and networking meeting that took place in Dakar, Senegal mid February 2017.
Note that the network OA-Africa is celebrating the World Oceans Day by mobilising all scientists to measure pH along the African coasts on **8th June**. More at <http://bit.ly/2rwx6wr>
 - [Issue 3](#) reports on the annual meeting of BEPSII-Biogeochemical Exchange Processes at Sea Ice Interfaces, that took place in La Jolla, USA early April 2017.
- A small meeting on 'air-sea interaction, policy and stewardship' will take place in Rome, Italy on 14-15 June 2017, co organised by Emilio Cocco, Christa Marandino and Erik van Doorn. It is a follow up event of the SOLAS Science and Society workshop that took place in Brussels last October. Visit <http://bit.ly/2sm9056>
- On 19-21 June 2017, the SOLAS Scientific Steering Committee members will gather for their annual meeting in Bologna, Italy. This year, the main topic of discussion will be the 2nd version of the live web-based Implementation Strategy.
- A SOLAS Summer School is under preparation for 23 July to 3 August 2018 in Cargese, Corsica, France. Potential applicant may register their interest [here](#).
- SOLAS is calling for bids to host the 2019 SOLAS Open Science Conference (OSC). Read the call [here](#). Submit a bid **by 11 June**.
- SOLAS is co-sponsor of the 4th International Symposium on 'The Effects of Climate Change on the World's Oceans', Washington DC, USA, 4-8 June 2018.
Submit a session proposal **by 23 June** at <http://bit.ly/2oljFzB>- Deadline postponed.
Please inform the SOLAS IPO if you propose a SOLAS-related session.
- SOLAS is co-sponsor of the [international conference](#) 'Shipping and the environment- From Regional to Global Perspectives', 24-25 October 2017 in Gothenburg, Sweden.
Submit an abstract **by 11 June** [here](#)



Following the conference, a [one-day workshop](#) is organised on 26 October, with the aim to develop plans for SOLAS research focusing on shipping, and to bring together groups of researchers keen to contribute to this research. Register your interest by sending [this form](#) filled up to [David Turner](#) by email.

- Read this recently published contribution to SOLAS:
Engel *et al.* (2017) The Ocean's Vital Skin: Toward an Integrated Understanding of the Sea Surface Microlayer. *Front. Mar. Sci.* 4:165. [doi: 10.3389/fmars.2017.00165](https://doi.org/10.3389/fmars.2017.00165)



Upcoming deadlines

JUNE DEADLINES:

- IMBeR IMBIZO 5: Marine biosphere research for a sustainable ocean: Linking ecosystems, future states and resource management, Woods Hole, MA, USA, 2-5 October 2017
Submit an abstract **by 15 June** at <http://bit.ly/2oPAIVH>- Deadline postponed.
- Ocean-colour data in climate studies- NERC advanced training course, Plymouth, UK, 18-22 September 2017.
Register **by 24 June** at <http://bit.ly/2sNmPKd>
- Gordon Research Conference in Chemical Oceanography, New London, NH, USA, 23-28 July 2017.
Register **by 25 June** at <http://bit.ly/2k61prU>
- Gordon Research Conference in Climate Engineering, Newry, ME, USA, 23-28 July 2017.
Register **by 25 June** at <http://bit.ly/2qzsNgC>

JULY DEADLINES:

- SOLAS France meeting, Paris, France, 6 July 2017.
Register at <http://solas.ipgp.fr/2017/>
- Atmospheric Chemistry and Dynamics Summer School, Jülich, Germany, 25-29 September 2017.
Register **by 15 July** at <http://bit.ly/2qEgOGL>

Report on the SOLAS workshop 'Valuing carbon and the ocean's role', 30-31 March 2017, Monaco

A workshop focusing on valuing carbon and the ocean's role was held in Monaco in March this year, as a follow up to the SOLAS Science and Society Workshop held in Brussels in October, 2016. Dr. Nathalie Hilmi and the Centre Scientifique de Monaco (CSM) hosted the event, which was the kick off to Ocean Week in Monaco. The workshop took place in the conference room of the CSM on 30-31 March, with a closed scientific discussion about valuing carbon and the ocean's role, and on 1 (morning) April 2017, with a public session in plenary to discuss outcomes and next steps. As a final overture for Ocean Week, which was organised by the Foundation Prince Albert II, an ocean manifesto was created and was signed on April 3rd by the following leaders, in the presence of Mr. Karmenu Vella, Commissioner for Environment, Maritime Affairs and Fisheries:

- H.S.H. The Prince Albert II of Monaco
- Mrs Ségolène Royal, French Minister of the Environment, Energy and Marine Affairs, responsible for International Climate Relations
- Mr. Gian Luca Galletti, Italian Minister of the Environment, Protection of Land and Sea.

This non-binding manifesto aims to protect oceans and has already been signed by over a hundred MOW participants. Each participant is invited to add her/his signature if she/he wishes to.

We were a small, international group, with participants from Canada, Nigeria, Germany, France, the UK, and Monaco, as well as remote attendance from India and China. The goal of the workshop was to write an interdisciplinary review paper, entitled "The Ocean's role in CO₂ mitigation", related to blue carbon and the open ocean and shelf areas. The expertise of the participants ranged from law to economics to carbon cycling within the Earth system and gas exchange, with much in between.

The overall objective of the SOLAS Science and Society meetings is to perform scientific research at the boundaries of natural and social science, with an interface to stakeholders and policymakers. The value-added in this workshop was to join scientific disciplines on this societally relevant topic that is largely unexplored to date and to convey the messages to decision-makers. As such, we are able to develop a comprehensive manuscript that includes the economic value of carbon in the ocean, extending past the typical coastal blue carbon content.



Report on the 1st CATCH workshop, 19-20 April 2017, Guyancourt, France

CATCH (Cryosphere and Atmospheric Chemistry) is an emerging activity focused on chemistry, biology and physics in cold regions, sponsored by IGAC. The first CATCH community workshop was held in Guyancourt, France on 19-20 April 2017. The workshop was co-sponsored by IGAC, SOLAS, and the French project PARCS. The main aim of the first CATCH workshop was to initiate development of a cross-disciplinary research community and establish linkages within neighboring disciplines including atmosphere, ocean, ice, snow, biology, clouds, dynamics, and fundamental chemistry. The workshop also aimed to foster future collaborative work by highlighting cross-disciplinary research questions and identifying future research needs/opportunities. A more detailed workshop report will be released soon!

To stay up to date with CATCH's news, subscribe to the CATCH mailing list [here](#) and read the last CATCH Newsletter May 2017 [here](#).



Report on the SOLAS workshop 'Frontiers of ocean-atmosphere interaction: Air-sea interface and fluxes of mass and energy', 15-18 May 2017, Cargèse, France

From the 15th until the 18th of May 2017 the SOLAS science workshop "Frontiers of ocean-atmosphere interaction: Air-sea interface and fluxes of mass and energy" took place at IESC in Cargèse, Corsica. The facilities bordering the Mediterranean Sea provided a perfect setting. IESC is a well known venue for the SOLAS community, as it hosted the 2011 SOLAS Summer School (and will again in 2018).

It was a busy and fruitful week. A colourful group of senior and early-career scientists as well as PhD students took part in the programme of morning plenary sessions, afternoon breakout sessions and the daily 'open-air' poster exhibition.

Research to the ocean surface microlayer from a large diversity of approaches and backgrounds was presented in this workshop. Topics ranged from advances in biochemical research to wave modelling, and from the interaction between the microlayer and clouds to rain-induced sea surface anomalies.

The ocean surface microlayer (OSML) provides significant challenges for both observationalists and modellers. To improve our understanding of the OSML and how it affects air-sea exchange processes, interaction and collaboration between different research communities is essential and still needs to be further advanced.

The organizers would like to thank all speakers and participants to the workshop for their contributions. A full report of the workshop will be made available through the SOLAS website in the coming months.



Varia

- Register to take part to this Massive Open Online Course (MOOC) 'One Planet - One Ocean: From Science to Solutions', a free ten-week course starting on 14th June 2017. Course intro: <https://youtu.be/i34HSjDqK4M>
Register at <http://bit.ly/2rPgIri>



- A Training Course on Marine Radioactivity will be held in association with the 2017 Goldschmidt Conference at the Institut de Physique du Globe de Paris (IPGP), August 13 2017. More info [here](#).
- Flick through some newsletters:
 - PAGES- Past Global Changes- e-news, vol.2017, no.5 [here](#)
 - IGAC ebulletin - June 2017 [here](#)
 - CLIVAR June Bulletin [here](#)
 - GEOTRACES eNewsletter No25 June 2017 [here](#)
 - 25 May 2017 OCB eNewsletter [here](#)
 - EuroMarine E-news Summary-Digest 57-25 May 2017 [here](#)
- Release of the GEOTRACES online digital data selection and subsetting service. Visit <https://webodv.awi.de/geotraces>
- Visit IGAC redesigned website at <http://igacproject.org/>
- Visit the recently launched [website](#) of the Latin American Ocean Acidification (LAOCA) Network.
- Two TOAR papers are [open for comment](#) until **16 June** 2017 prior to submission to *Elementa*. The Tropospheric Ozone Assessment Report ([TOAR](#)) is a current IGAC activity with a mission to provide the research community with an up-to-date scientific assessment of tropospheric ozone's global distribution and trends from the surface to the tropopause.
- Mark your agenda: Joint 14th Quadriennial iCACGP Symposium/15th IGAC Science Conference 2018, Takamatsu, Japan, 25-29 September 2018. <http://bit.ly/2rXI52T>
- Attend the event 'A New Era of Blue Enlightenment', launch of the European Union- Brazil-South Africa Atlantic Ocean Research and Innovation Cooperation, Lisbon, Portugal, 12-14 July 2017. <http://bit.ly/2rwqRZC>

- Review the SCOR Working Group proposals. The five proposals for 2017 are available [here](#). The instructions for the review are at [2017 Call for Review of SCOR WG Proposals](#). Comments are due **by 1 August**.
- Future Earth presents today at the UN Ocean Conference in NY, USA, the Ocean Knowledge-Action Network (KAN), a partnership between Future Earth, the Scientific Committee on Oceanic Research, the Intergovernmental Oceanographic commission of Unesco and the World Climate Research Program - uniting researcher and stakeholder over making science more relevant and impactful. More at <http://futureearth.org/news/ocean-conference>
- Read the European Marine Board's Position Paper n°23 on 'Advancing Citizen Science for Coastal and Ocean Research'. Download the document [here](#).

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