

OA-ICC HIGHLIGHTS

January - March 2017



Ocean Acidification
International
Coordination Centre

OA-ICC

SCIENCE

An IAEA-led book chapter entitled «**Ocean acidification: impacts and governance**» was recently published in the «Handbook on the Economics and Management of Sustainable Oceans», prepared by the United Nations Environment Programme (UNEP). The chapter gives an overview of the potential impact of ocean acidification on marine life and possible socio-economic consequences for human society, while summarizing the regional and international efforts to address ocean acidification and discusses future directions for action. [More information.](#)

The OA-ICC participated in an international multidisciplinary expert workshop entitled «**How to evaluate blue carbon?**», hosted by the Scientific Center of Monaco ([CSM](#)) and organized in cooperation with [SOLAS](#) on 30 March - 1 April 2017 in the framework of the «**Monaco Ocean Week**» ([MOW](#)). Part of a larger project initiated by SOLAS in 2016, the workshop discussed the ocean's role in carbon uptake and whether ocean carbon storage can be considered a «blue carbon» service with essential environmental, social and economic tradeoffs, including the ocean acidification mitigation potential. [Flyer.](#)

COMMUNICATION

The Director of the IAEA Environment Laboratories, Mr David Osborn, delivered a keynote presentation at the international conference of the Sasakawa Peace Foundation, 19-20 January 2017, Japan, entitled «**Impacts of global warming and ocean acidification on marine ecosystems and necessary policy measures - towards the establishment of networks among experts of the North-West Pacific Region**».

Further, Mr Osborn presented a lecture during the annual plenary session of the Hasan II Academy of Science and Technology of Morocco, 21-23 February 2017, under the title «**The ocean and climate change, the case of Morocco**».

The IAEA/OA-ICC participated in the first edition of the «**Monaco Ocean Week**» ([MOW](#)) - a series of events organized in Monaco on 29 March - 4 April 2017, aiming to increase awareness about threats to the oceans and enhance cooperation on marine conservation and blue economy sustainable development. Two presentations put forward the mission and achievements of the IAEA Environment Laboratories and the OA-ICC during an open public event, with an emphasis on the role of nuclear and isotopic techniques in assessing the impact of pollution and climate change on oceans.



Interested in knowing more about the OA-ICC online resources? Have a look at this [video presentation](#) !

OA-ICC
ONLINE
RESOURCES

- [OA-ICC news stream](#) - recent publications, media coverage, meeting announcements, jobs etc.
- [OA-ICC web site](#) - resources on ocean acidification listed according to audience and language
- [OA-ICC bibliographic database](#) - over 3700 references with citations, abstracts and keywords
- [OA-ICC data compilation](#) on the biological response to ocean acidification - access to experimental data from nearly 700 scientific papers

CAPACITY BUILDING

The OA-ICC supported 21 young scientists from 13 developing IAEA Member States (Algeria, Benin, Cameroon, Cote d'Ivoire, Egypt, Gabon, Ghana, Madagascar, Morocco, Nigeria, Togo, Tunisia and the United Republic of Tanzania) to attend a regional training and networking workshop on ocean acidification in Dakar, Senegal, on 13-16 February 2017. The success of the course was due to a fruitful cooperation between Future Earth Coasts ([FEC](#)), OA-ICC, [SOLAS](#), and the Centre for Marine and Renewable Energy ([MaREI](#)), with additional funding provided by Kosmos Energy and valuable logistical support from the Institut of Research for Development ([IRD](#)) and Ecole Supérieure Polytechnique de Dakar ([ESP](#)).



Dr Lisa Robbins (US Geological Survey) demonstrating a pH sensor

This capacity building effort looked to strengthen young scientists' skills in setting coherent ocean acidification experiments and in improving data management practices. At the same time, the training emphasized the need for enhanced networking among African researchers. This was the fourth training course in Africa organized as part of a series aiming to develop a continental ocean acidification network, all supported by the OA-ICC. As a result, the «OA-AFRICA» network was officially launched in November 2016 and accounts for scientists coming from more than 20 African nations. [More information.](#)

OA-ICC Statistics - 2016

OA-ICC news stream: published nearly **1,300** posts and received almost **29,000** visitors from **164** countries.

OA-ICC website: received more than **13,000** page views from users representing **135** nations.

OA-ICC capacity building: involved more than **10** different activities (training courses, workshops, conferences etc.) that benefited almost **100** young researchers from **46** developing IAEA Member States.

OA-ICC bibliographic database: was completed with nearly **900** new references.