

# Ocean Acidification workshop: Developing regional capacity for ocean observations in support of SDG target 14.3

## Background material for Ocean Acidification Workshop

### Background reading

- Sustainable Development Goal (SDG) 14.3.1 Indicator Methodology, with its associated data file, metadata file, metadata explanation
  - All of the files are available online:  
[http://goa-on.org/resources/sdg\\_14.3.1\\_indicator.php](http://goa-on.org/resources/sdg_14.3.1_indicator.php)
  - SDG 14: <https://sustainabledevelopment.un.org/sdg14>
  - IOC-UNESCO Ocean acidification: <https://en.unesco.org/ocean-acidification>
  
- Global Ocean Acidification Observing Network GOA-ON
  - GOA-ON website: <http://goa-on.org>
  - GOA-ON data portal: <http://portal.goa-on.org/Explorer>
  - Implementation Strategy: [http://goa-on.org/documents/general/GOA-ON\\_Implementation\\_Strategy.pdf](http://goa-on.org/documents/general/GOA-ON_Implementation_Strategy.pdf)
  - Requirements and Governance Plan: [http://goa-on.org/documents/general/GOA-ON\\_2nd\\_edition\\_final.pdf](http://goa-on.org/documents/general/GOA-ON_2nd_edition_final.pdf)
  - Resources and additional information: <http://goa-on.org/resources/other.php>

## **Additional Resources**

- International Oceanographic Data and Information Exchange (IODE) of the IOC
  - Website: <https://www.iode.org/>
  - Link to online data and information services maintained by the IODE network of National Oceanographic Data Centres (NODCs) datacentres:  
[https://www.iode.org/index.php?option=com\\_content&view=article&id=549&Itemid=100357](https://www.iode.org/index.php?option=com_content&view=article&id=549&Itemid=100357)
  
- Ocean Acidification International Coordination Centre (OA-ICC) of the International Atomic Energy Agency (IAEA)
  - Website: <https://www.iaea.org/services/oa-icc>
  - OA-ICC news stream for up to date information on ocean acidification research:  
<https://news-oceanacidification-icc.org/>
  - Resources <https://www.iaea.org/services/oa-icc/resources>
  
- International Ocean Carbon Coordination Project IOCCP
  - Website: <http://www.ioccp.org/>
  - List of sensors and instruments developed and used by the ocean carbon research community: <http://www.ioccp.org/index.php/instruments-and-sensors>
  
- Best practices guides:
  - Guide to best practices for ocean acidification research and data reporting:  
<https://www.oceanbestpractices.net/handle/11329/339>
  - Guide to Best Practices for Ocean CO<sub>2</sub> Measurements:  
<http://goa-on.org/documents/resources/co2-guide-to-best-practices.pdf>
  
- Ocean Acidification Information Exchange (OAIE) is a useful site for asking questions and discussing issues with members of the ocean acidification research community:  
<https://www.oainfoexchange.org>

### **Preparation for the discussion**

For the purpose of the workshop, participants are asked to think about the following issues, facilitating discussions throughout the meeting and potentially also include in their short presentations.

- What are key regional concerns related to OA?
- What is missing to observe ocean acidification? (technical and human capacities) What additional resources does your country/region need?
- Monitoring impact – what experimental facilities and OA research programmes do you have?
- What partnerships need to be developed?
- How can GOA-ON, LAOCA IOC, IAEA, GOOS and other entities facilitate this work?
- What is necessary increase regional and international collaboration?
- Can you address 14.3? Can you measure date related to 14.3.1 and what steps need to be taken to ensure this happens by 2030?