The UN Sustainable Development Goal Target 14.3 and its Indicator 14.3.1

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17 objectives to transform our world:
2030 Agenda
SDG Indicator framework

- **SDG Goals and Targets were set by Member States** with the adoption of the 2030 Agenda for Sustainable Development (2015).

- The General Assembly tasked the **UN Statistical Commission** with developing a monitoring framework.

- **Inter-Agency and Expert Group on the SDG Indicators (IAEG-SDG)**, 30 member states and other members, established to develop the indicator framework.

- IAEG-SDG agreed on a **framework of 244 indicators** and designated **UN agencies as custodians** of the various indicators. (adopted by UN General Assembly in 2017).
SDG 14 – 10 targets – 10 ways to collect data

**TARGET 14-1**
Reduce marine pollution

**TARGET 14-2**
Protect and restore ecosystems

**TARGET 14-3**
Reduce ocean acidification

**TARGET 14-4**
Sustainable fishing

**TARGET 14-5**
Conserve coastal and marine areas

**TARGET 14-6**
End subsidies contributing to overfishing

**TARGET 14-7**
Increase the economic benefits from sustainable use of marine resources

**TARGET 14-A**
Increase scientific knowledge, research and technology for ocean health

**TARGET 14-B**
Support small scale fishers

**TARGET 14-C**
Implement and enforce international sea law

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<th>Tier</th>
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Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Target 14.3 Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels

Indicator: 14.3.1 Average marine acidity (pH) measured at agreed suite of representative sampling stations

Tier II Indicator conceptually clear, established methodology and standards available but data are not regularly produced by countries
What does Custodianship mean?

1. Develop internationally agreed standards, coordinate the indicator development, and support increased adoption and compliance with the internationally agreed standards at the national level;

2. Collect data in relevant domain from countries (or regional organizations) as appropriate through existing mandates and reporting mechanism to provide internationally comparable data and calculate global and regional aggregates;

3. Strengthen national statistical capacity and improve reporting mechanisms

Pendelton et al. 2016
SDG 14.3.1 Indicator Methodology development

Meeting of Expert Group 16-18 January 2018 at IOC HQ, Review of existing preliminary methodology

51st Session of IOC Executive Council July 2018 – Endorsed 14.3.1 methodology

July-August 2018: Data collection approaching NODCs and ADUs, which stated to have relevant data sets, together with IODE

October 2018: IOC expert meeting, to apply data quality control mechanisms, categorize the data quality of different data sets, review of data collection, strategy to develop related capacity building activities and additional documentation

November 2018: updated metadata and data files, IAEG meeting to apply for upgrade of 14.3.1 methodology from Tier III to Tier II

December 2018-December 2019: 14.3.1 SDG data portal and repository development with IODE

March 2019-December 2019: 14.3.1 IOC Manual on 14.3.1 reporting, including step by step guides for data providers and data repositories
14.3.1 Methodology provides guidance on:

- Definitions,
- Units
- Rationale for inclusion
- Computation method – aggregation and disaggregation
- Sampling strategy, including sampling frequency
- Methods and guidance available to countries for the compilation of data at the national level, including:
  - overview on best practices,
  - standard operating mechanisms,
  - measurement and data collection,
  - measurement and data quality
- Data sources, including:
  - the collection process,
  - data visualization and
  - quality control mechanisms
14.3.1 not just a piece of paper

SDG 14.3.1 Indicator Methodology

- Methodology explanations and definitions
- Data template
- 14.3.1 trainings and workshops
- 14.3.1 data portal
- Metadata template and instructions
14.3.1 data portal – Facilitating Reporting
Recommendations

• Align SDG indicator methodology and Global Climate Indicator
• Enforce implementation of 14.3.1 Methodology
• Increase capacity to measure and report ocean acidification data and METADATA
• Relate the ocean acidification measurements to studies on locally important marine species – Relevance for local stakeholders