

Goal 14

Target number: 14.a

Indicator Number and Name: 14.a.1 Proportion of total research budget allocated to research in the field of marine technology

Agency: IOC-UNESCO in cooperation with UNEP

Has work for the development of this indicator begun?

Yes

Who are the entities, including national and international experts, directly involved and consulted in developing the methodology/and or data collection tools?

IOC-UNESCO: contact person Julian Barbieri (J.barbieri@unesco.org) and Kirsten Isensee (k.isensee@unesco.org).

What is the involvement of or how do you plan to involve National Statistical Systems in the development of the methodology?

Testing phase of the agreed draft methodologies in pilot countries in early 2017 and data collection from countries from 2018 onwards.

Please briefly describe the process of developing the methodology for the indicator

The development and populating of the indicator 14.a.1 will be conducted as part of the preparation of the Global Ocean Science Report (GOSR) launched by IOC Member States in 2014. The GOSR was established to assist local and national governments, academic and research institutions, as well as international organizations and donors, in making informed decisions on future research investment. It will summarize information about the status of ocean research, investment in research infrastructure and human capacity. As national investment can vary among the different nations depending on the GDP, proxies as science output, technical and human capacities will be used to illustrate research investment. Preliminary information has been gathered in the form of national surveys and is being analysed to quantify research investment, research capacity and infrastructure, in particular human resources and the facilities/laboratories/field stations, as well as special equipment available in each nation, and each region respectively. This baseline information will be published through the IOC GOSR in 2016. More information available: <http://www.unesco.org/new/en/natural-sciences/ioc-oceans/sections-and-programmes/ocean-sciences/global-ocean-science-report/>

- First draft of methodologies: background paper (existing data/methods to measure the indicator, potential methods to measure the indicator, recommendations) by September 2016
- Review of the background paper in October 2016
- Technical meeting with experts in late 2016
- Finalization of draft methodologies by December 2016
- Testing phase of agreed methodologies in pilot countries in early 2017
- Finalization of methodologies by end 2017
- Strategy for data collection in early 2018
- Data collection from 2018 onwards.

Please indicate new international standards that will need to be proposed and approved by an intergovernmental process (such as UNSC) for this methodology.

Besides the direct information obtained for investment, proxies, which will indicate investment in a globally comparable way are and have to be developed and approved by intergovernmental processes.

When do you expect the methodological work on this indicator to be completed?

By end 2017.

Are data and metadata already being collected from the National Statistical System for one or more components of this indicator?

No

If yes, please describe:

How do you plan to collect the data?

- Send questionnaire to country
- Obtain data directly from country database/website
- Joint survey/compilation with national agency and international entity

If the indicator involves multiple components from different data sources, please describe how each individual component of the indicator will be collected here.

Existing data bases comprising information about technical infrastructure used for ocean science already exist, and have to be connected. These data together with information obtained via a IOC survey (to send out every 5 years) will be open access at a IODE portal.

With what frequency is data expected to be collected?

The data collection will be a continuous process, especially for information which are submitted to existing online portals e.g. JCOMMOBS. Data collection via questionnaires will be conducted every 5 years.

Is there a process of data validation by countries in place or planned for this indicator?

Yes

If yes, please briefly describe:

IOC member states have the possibilities to check data before they are published; further existing data will be compared to the newly collected one to detect mistakes.

(As of 3 March 2017)