

U N	G o a l	14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development
	T a r g e t	14.a Increase scientific knowledge, develop research capacity and transfer marine technology, taking into account the Intergovernmental Oceanographic Commission Criteria and Guidelines on the Transfer of Marine Technology, in order to improve ocean health and to enhance the contribution of marine biodiversity to the development of developing countries, in particular small island developing States and least developed countries
	I n d i c a t o r	14.a.1 Proportion of total research budget allocated to research in the field of marine technology

I. Global indicator

<Type 2>

Indicator	Proportion of total research budget allocated to research in the field of marine technology
Definition	<p>The proportion of total research budget managed by the government allocated to marine technology.</p> <p>Marine technology as defined in the Intergovernmental Oceanographic Commission Criteria and Guidelines on the Transfer of Marine Technology (IOCCGTMT) refers to instruments, equipment, vessels, processes and methodologies required to produce and use knowledge to improve the study and understanding of the nature and resources of the ocean and coastal areas.</p> <p>Toward this end, marine technology may include any of the following components:</p> <ul style="list-style-type: none"> a) Information and data, in a user-friendly format, on marine sciences and related marine operations and services; b) Manuals, guidelines, criteria, standards, reference materials; c) Sampling and methodology equipment (e.g., for water, geological, biological, chemical samples); d) Observation facilities and equipment (e.g. remote sensing equipment, buoys, tide gauges, shipboard and other means of ocean observation); e) Equipment for in situ and laboratory observations, analysis and experimentation; f) Computer and computer software, including models and modelling techniques; g) Expertise, knowledge, skills, technical/scientific/legal know-how and analytical methods related to marine scientific research and observation.

II. Data description

[Data] Proportion of total research budget allocated to national marine science research

Calculation method	$\frac{\text{National R\&D expenditure for marine science}}{\text{Total national R\&D budget}} \times 100$
Unit	Percent (%)
Data sources	Each country's budget and expenditure data are collected through the Global Ocean Science Report (GOSR) questionnaire.
Calendar	<ul style="list-style-type: none"> ■ Time series: 2013-2017(All data for Korea are included) ■ Data release: Annually

Organizations	IOC-UNESCO, NSOs, UIS
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Global indicator link	<ul style="list-style-type: none">■ Metadata: https://unstats.un.org/sdgs/metadata/files/Metadata-14-0a-01.pdf■ Data: https://unstats.un.org/sdgs/indicators/database/
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