Gender and Ocean

Kirsten ISENSEE, IOC-UNESCO

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

European MARINE BOARD Advancing Seas & Ocean Science

European Commission

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2021 2030 United Nations Decade of Ocean Science for Sustainable Development

Eur 2019 CEAN

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The ocean gifts us oxygen, regulates climate and is home to countless creatures. Human actions influence ocean health - impacting some more than others. What do we see through a **gender** lens?

LIVES

Women and children are

14×

more likely to die or get injured in natural disasters due to unequal access to resources.

Climate change hits hard on the coast.

GENDER EQUALITY

is key to sustainability.

Only together can we protect Earth's ultimate source of life.

SCIENCE & POLICY

24%

of parliamentarians and

38%

of marine scientists are women.

Women have proven capabilities as **leaders and conservationists**.

Knowledge of ocean rhythms and species is often passed down both matrilineal and patrilineal lines.

FISHERIES

Women constitute half of the workforce, yet earn

64%

of men's wages in aqua-culture and have less access to decision-making positions.

MARITIME

2%

of the 1.2 million seafarers are female.

Let the ocean be the great unifier

WORLD OCEANS DAY JUNE 2019

Sources: UN Women, UNEP & GWA, WWF, UNESCO (more on ocean.makesense.org)
Produced by: Studio With and WeOcean

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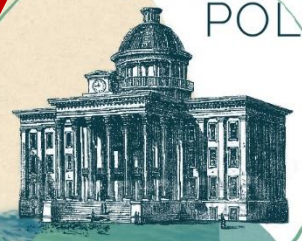

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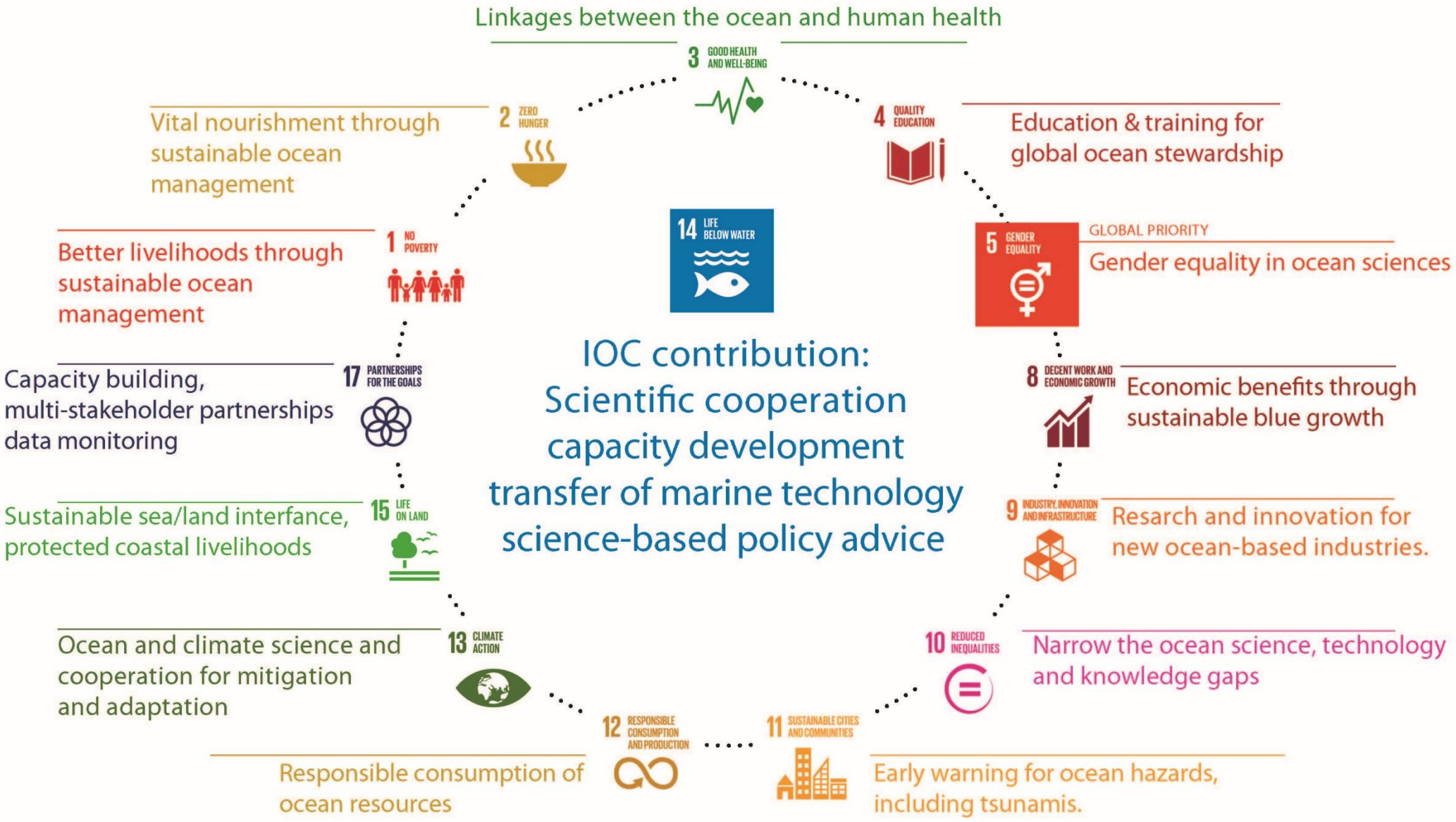
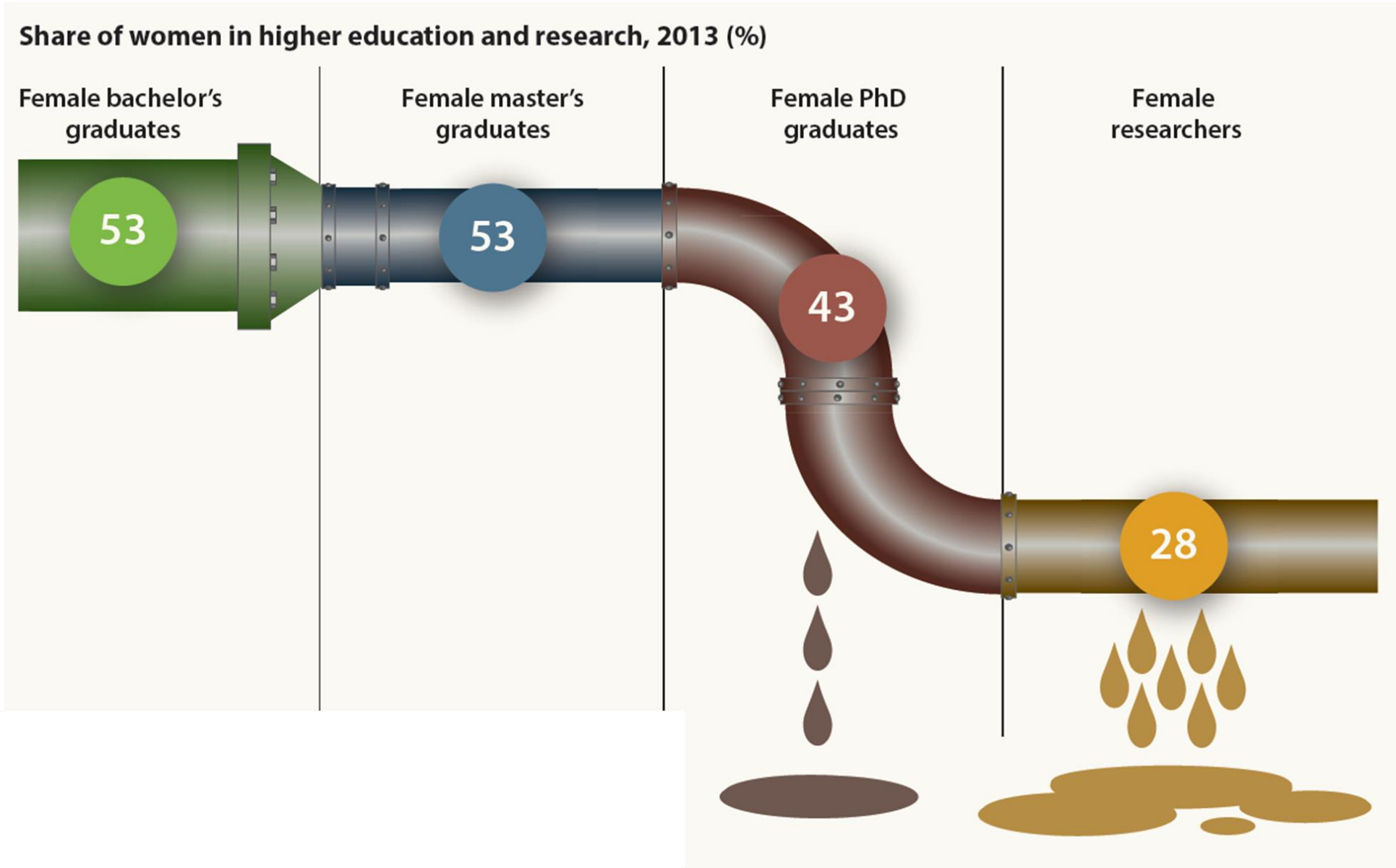


The work of IOC of UNESCO is relevant to **13 out of 17** Sustainable Development Goals

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission



UNESCO Science Report 2015

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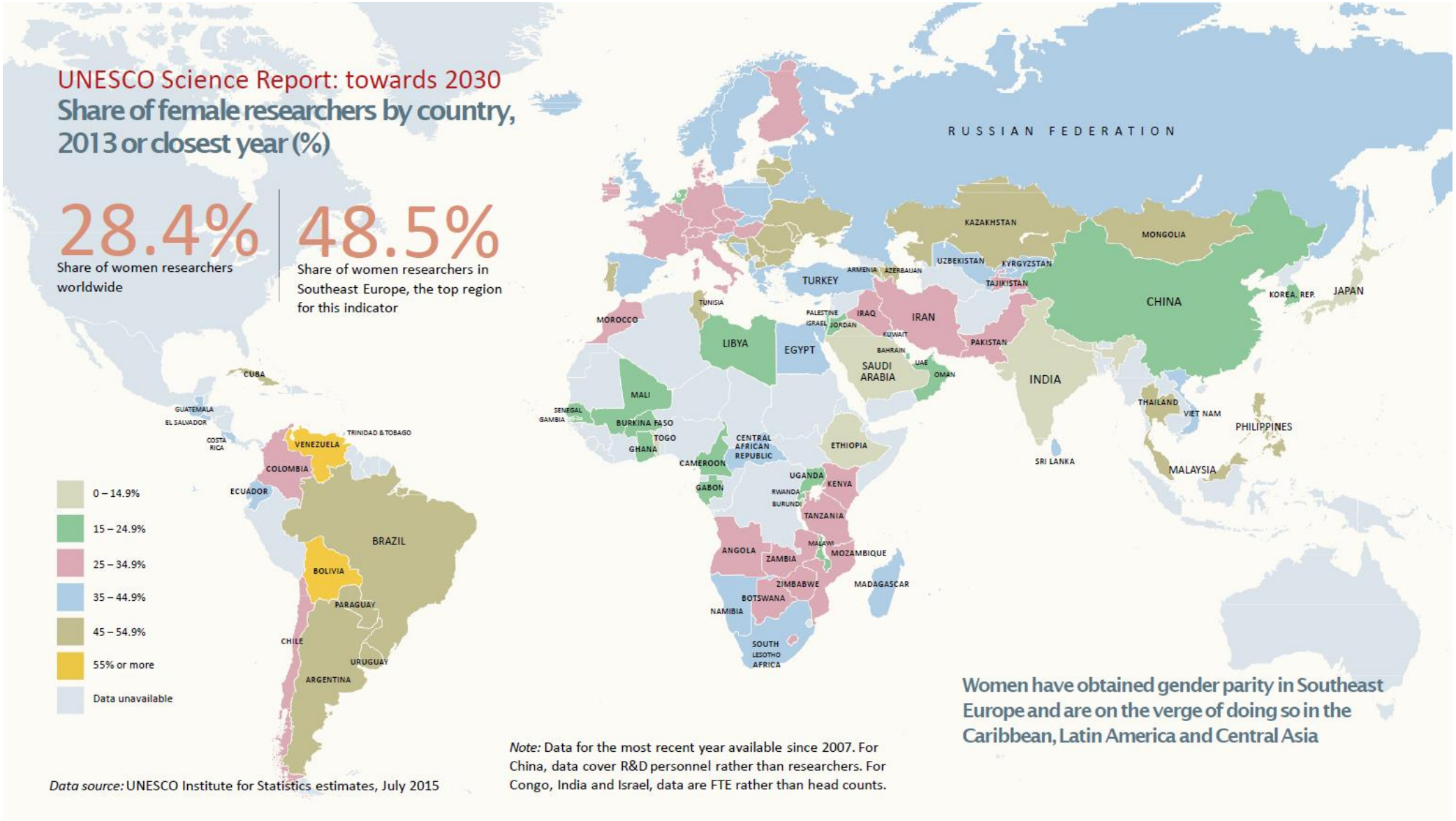
Intergovernmental Oceanographic Commission



UNESCO Science Report 2015

Ocean science – how, where and by whom?

The Current Status of Ocean Science around the World

United Nations Educational, Scientific and Cultural Organization · Intergovernmental Oceanographic Commission · Sustainable Development Goals

Assesses for the first time the status and trends in **ocean science capacity around the world**.

A global record of how, where, and by whom ocean science is conducted.

Information used for reporting torwards **SDG target 14.a** – 2030 Agenda for Sustainable Development

English

Español

Français

中文

Русский

العربية

Portuguese

IOC-UNESCO, Global Ocean Science Report, 2017
http://unesco.org/gosr

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

14 LIFE BELOW WATER

Global Ocean Science Report

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.

BEFORE GOSR -
no global mechanism for assessing and reporting on the level of human capacity, technology, investments, and needs of nations in ocean and coastal science, observations and services.

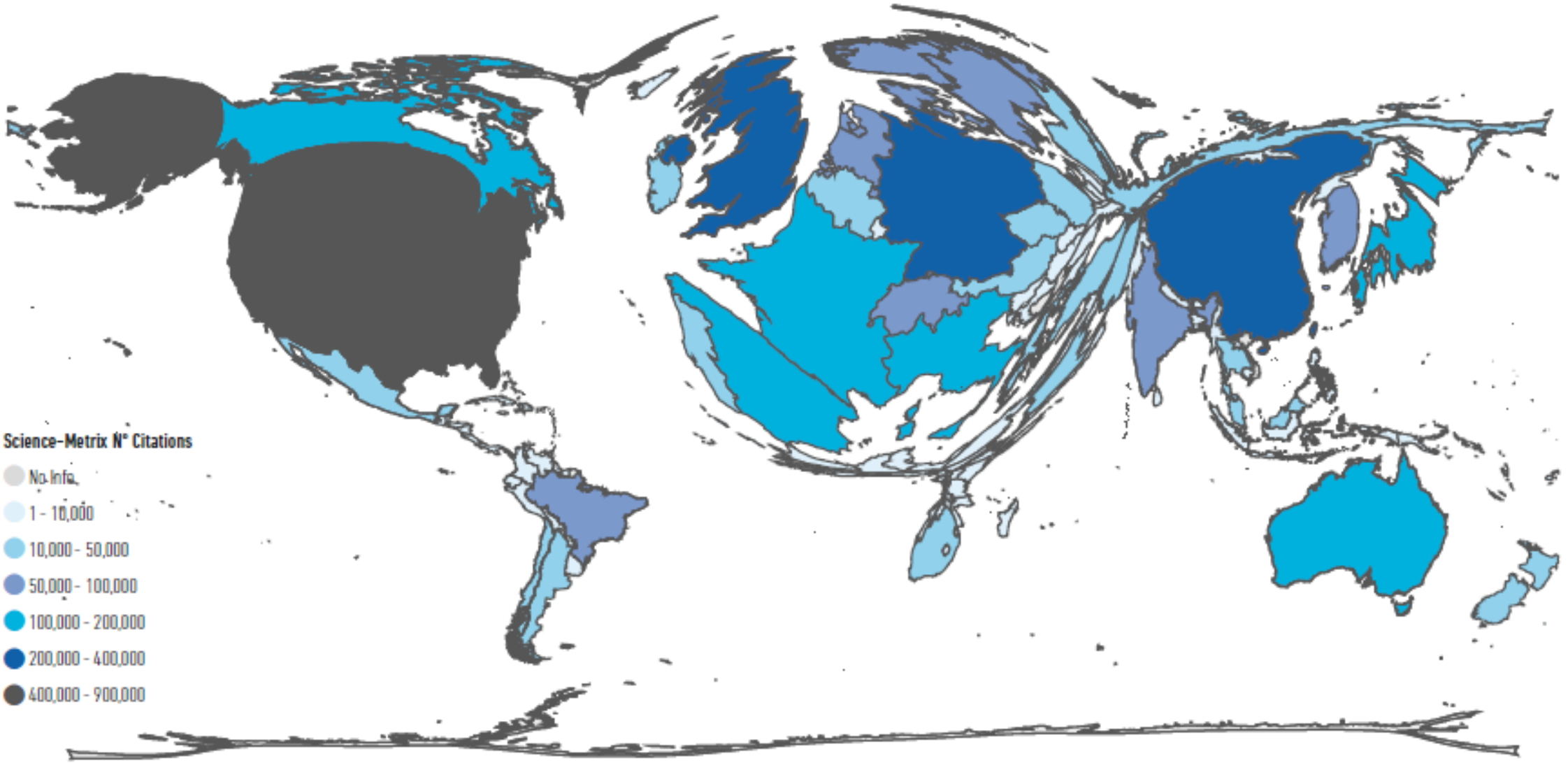
GOSR -
tool for the SDG on the Ocean, to optimize the sustainable use of marine resources, with regard to the needs of developing countries, includ. capacity-building & transfer of knowledge and technology

Includes the information to report towards the SDG indicator 14.a.1 – upgraded from Tier III to Tier II in November 2017

Ocean knowledge where and who?

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission



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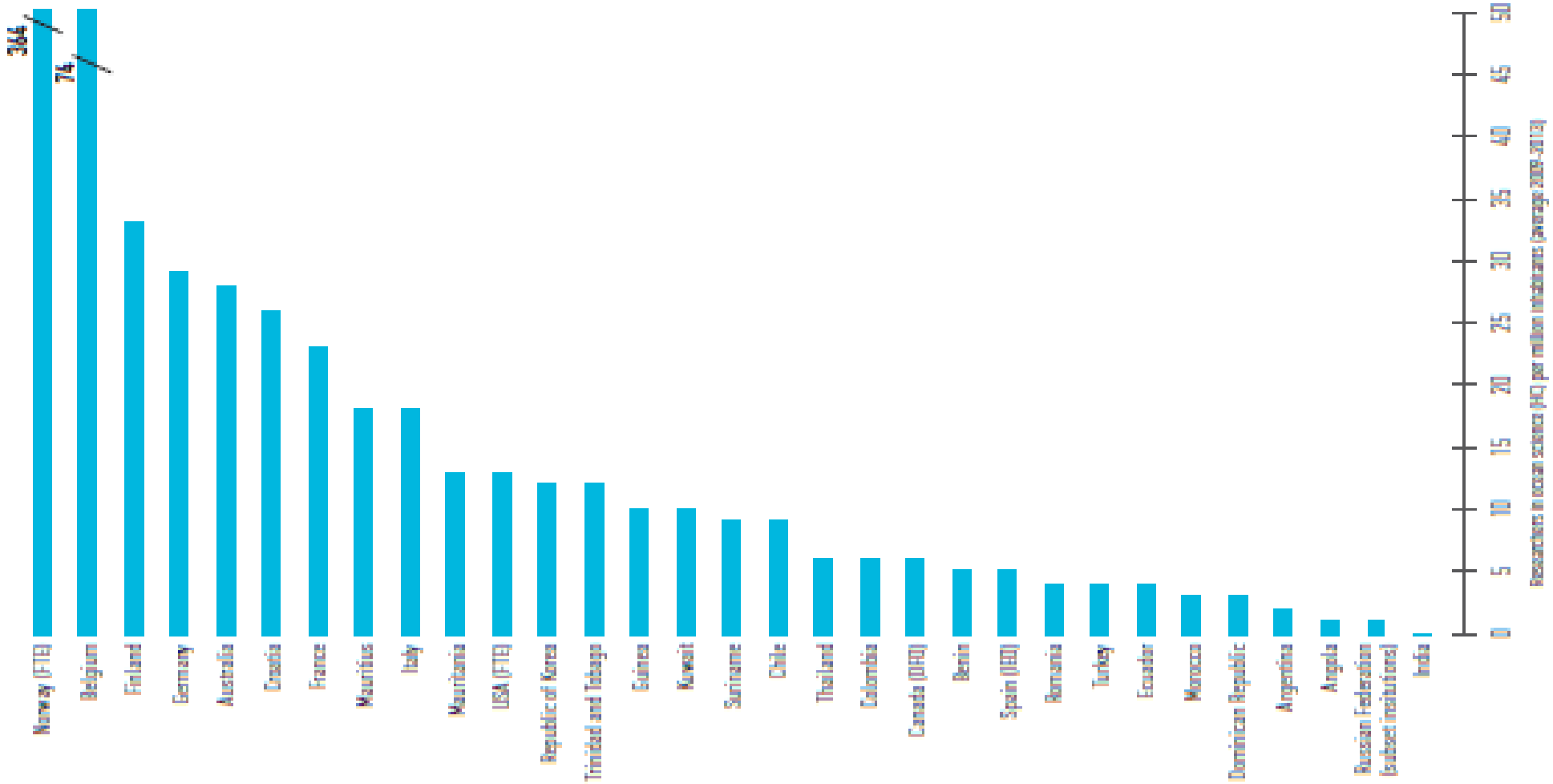
Human Capacity in Ocean Science – current status

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

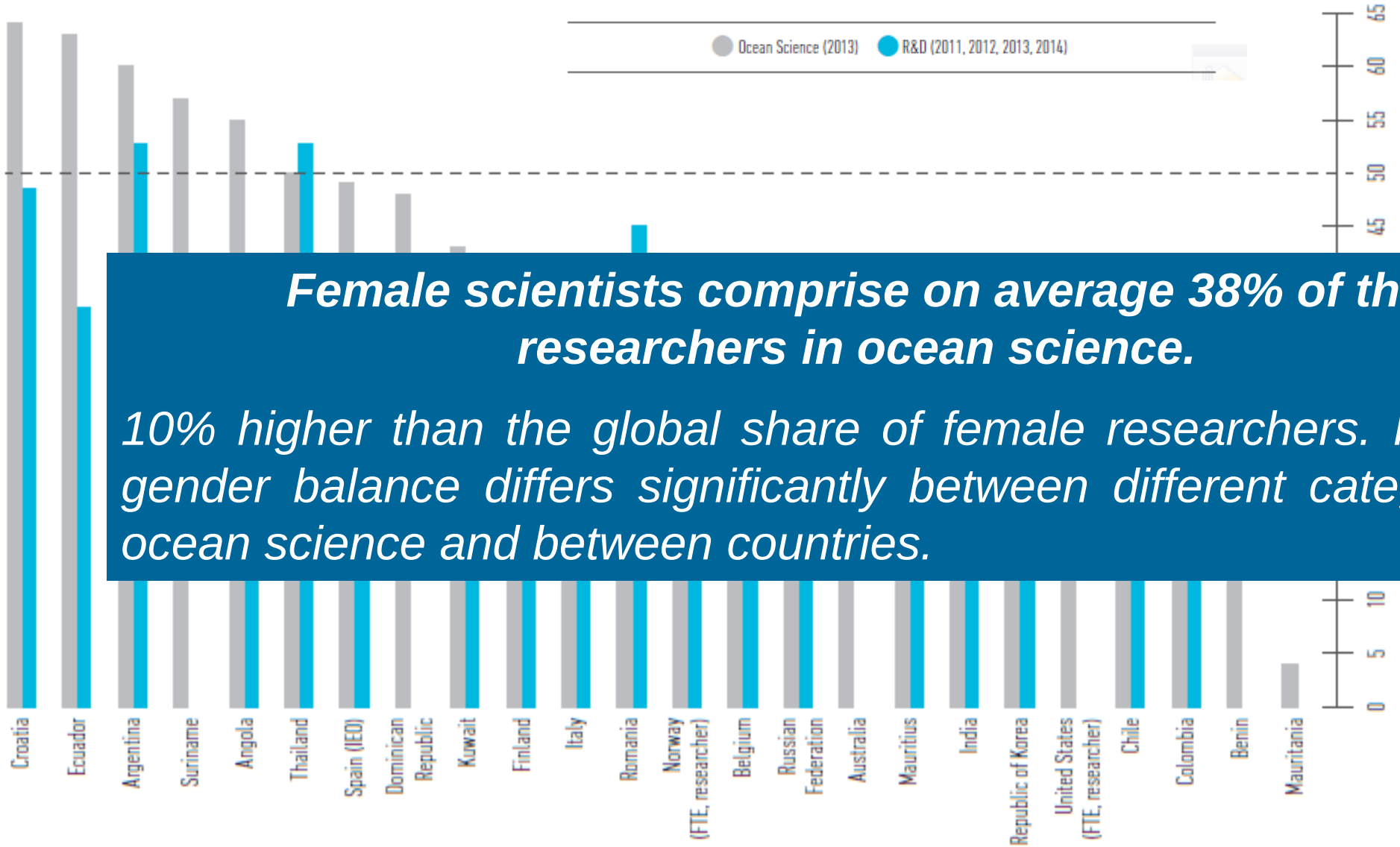


Average national ocean science researchers (Headcount - HC) employed per million inhabitants (2009–2013).
Sources: GOSR questionnaire (ocean science), 2015; UIS (inhabitants), 2015.

Women in Ocean Science – current status

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission



Female scientists comprise on average 38% of the researchers in ocean science.

10% higher than the global share of female researchers. However, gender balance differs significantly between different categories of ocean science and between countries.

tion (% total)
esearchers in
nce
s; grey bars)
and in R&D (blue bars).
Dashed line indicates
50% of female
contributions. Sources:
GOSR questionnaire
(ocean science), 2015;
UIS (R&D), 2015.

Women in Ocean Science – current status

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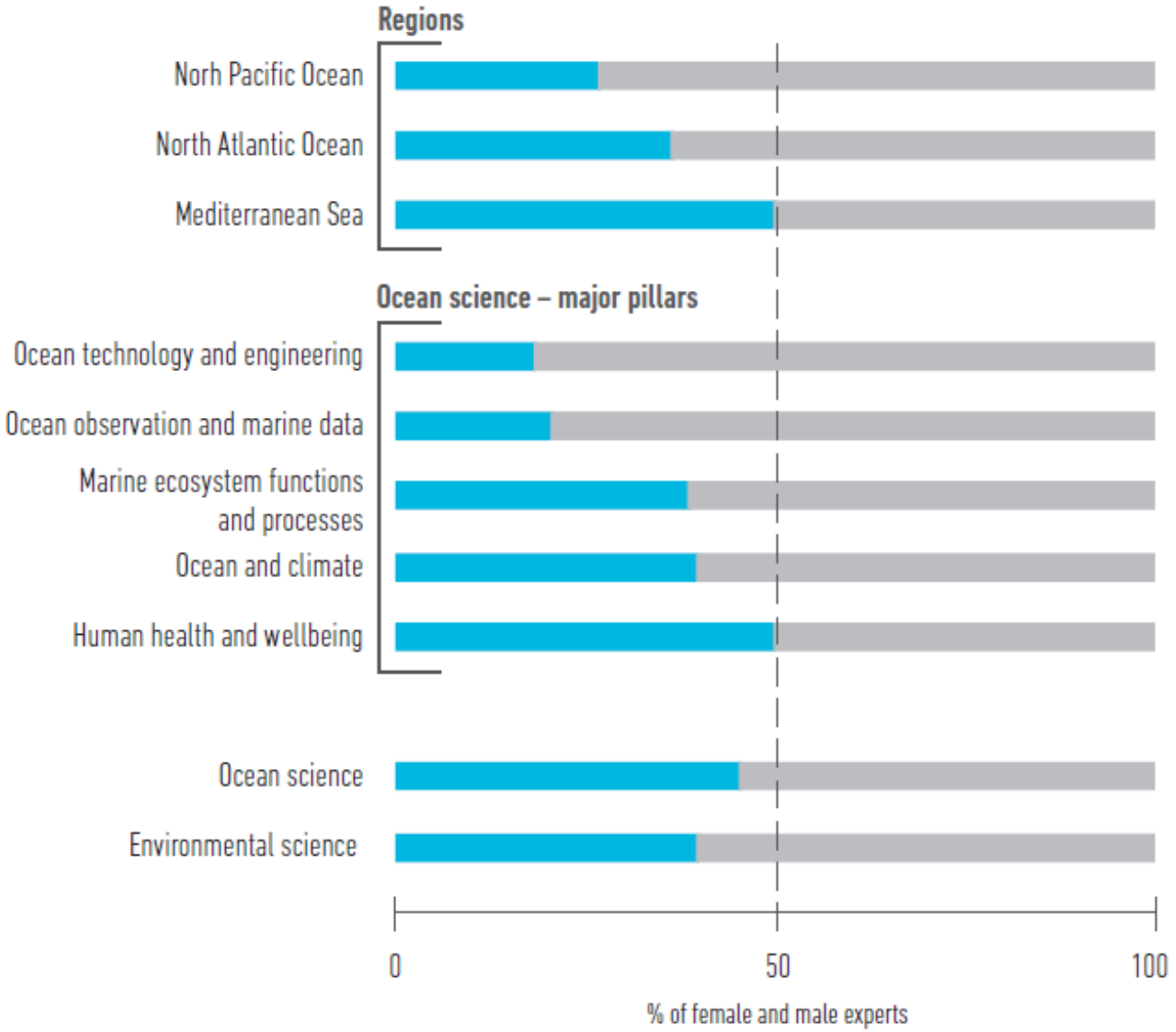
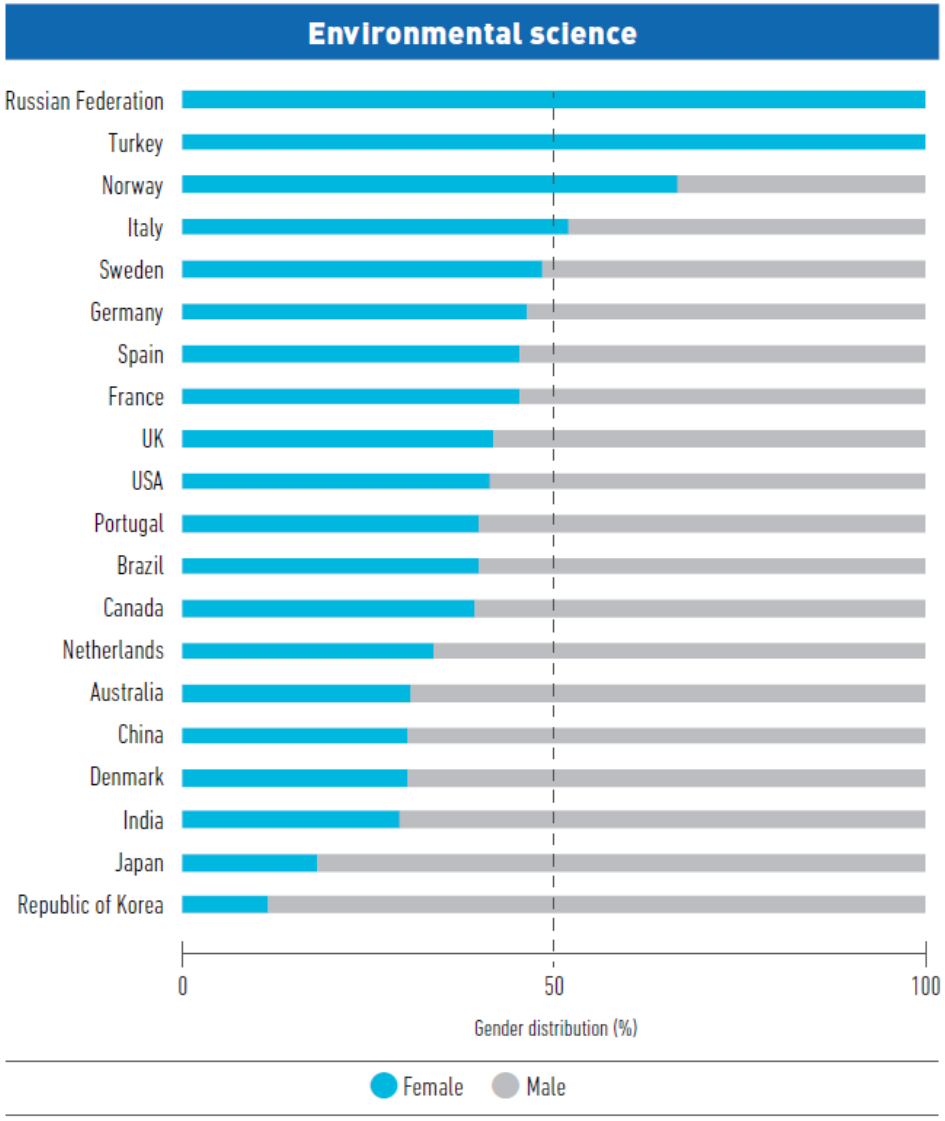


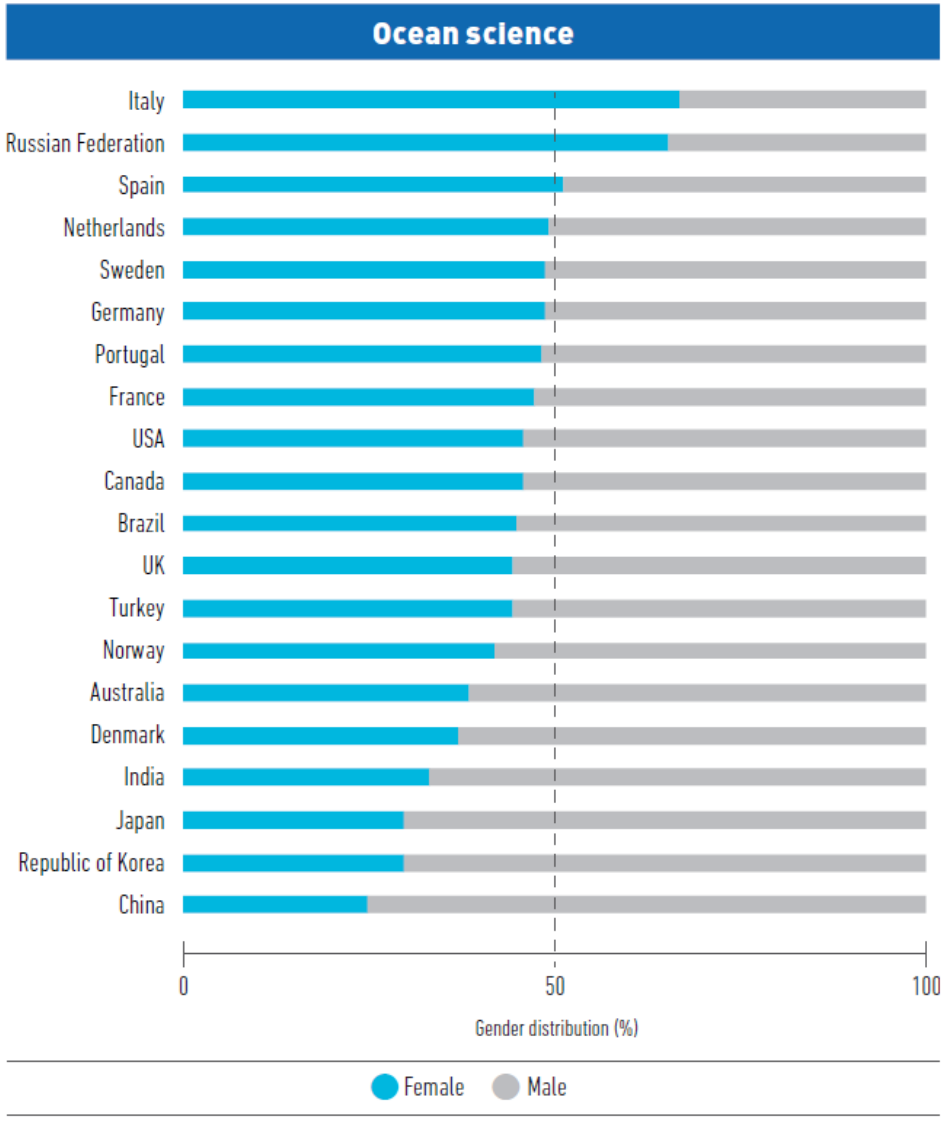
Relative proportion (%) of male and female experts attending international scientific conferences and symposia.

Countries' empowerment to expose female scientists

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

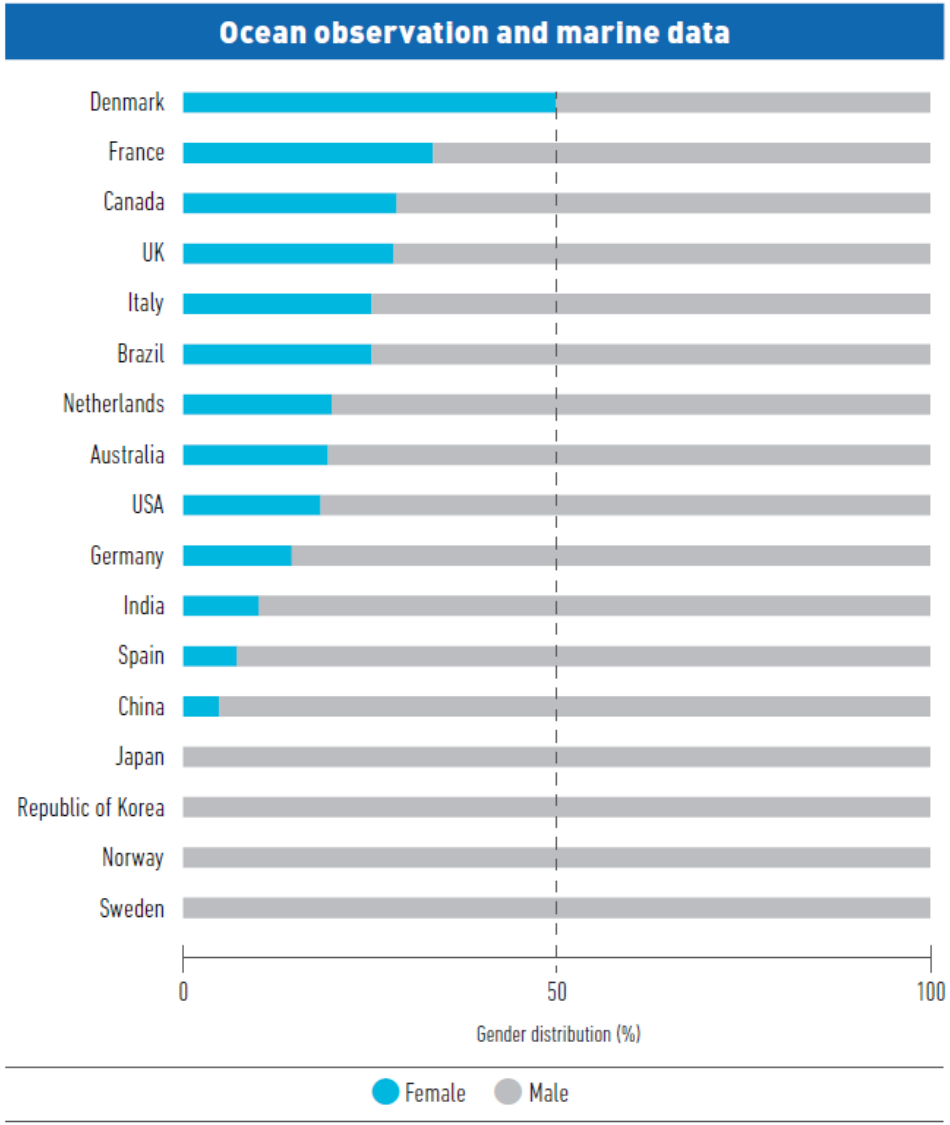


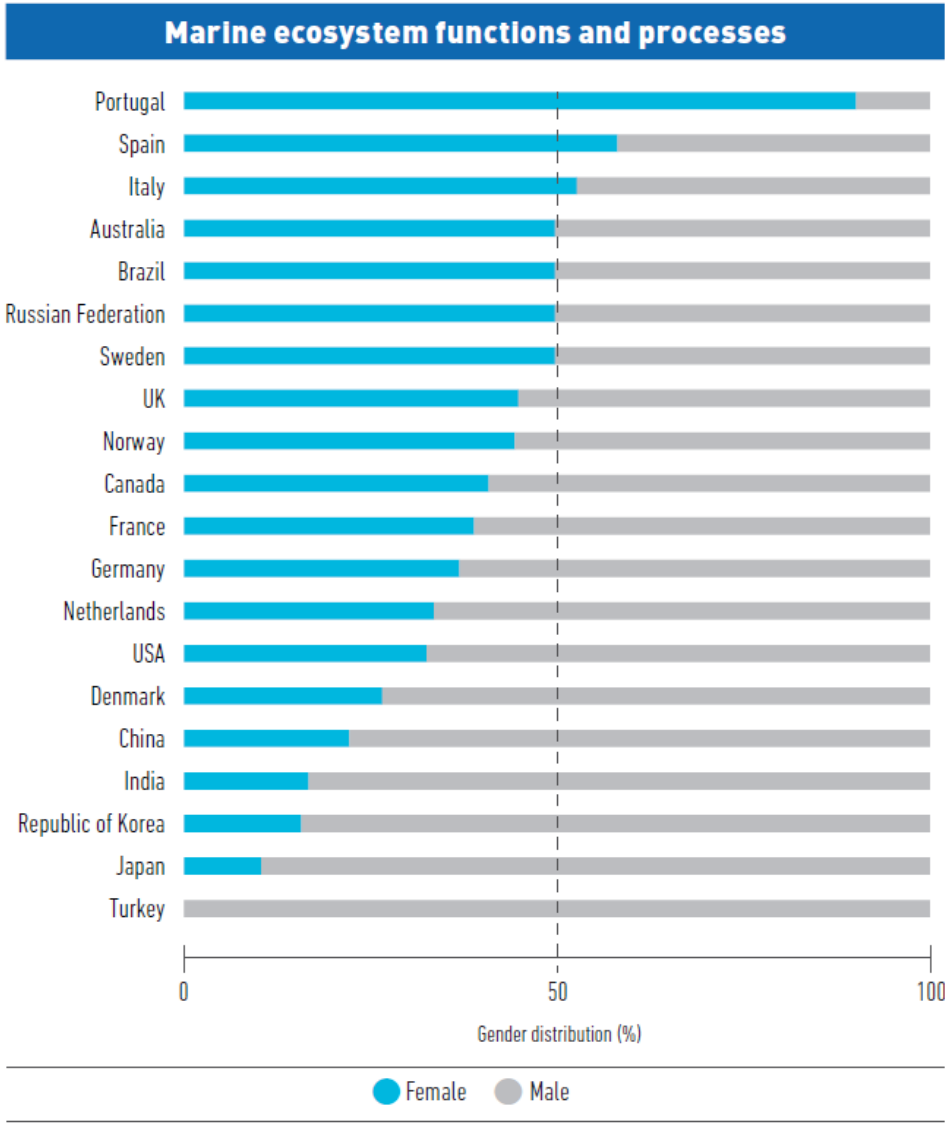


Proportion (%) of female and male experts attending international scientific conferences/ symposia with different foci, for the top 20 countries publishing in ocean science.

Countries' empowerment to expose female scientists

United Nations Educational, Scientific and Cultural Organization | Intergovernmental Oceanographic Commission





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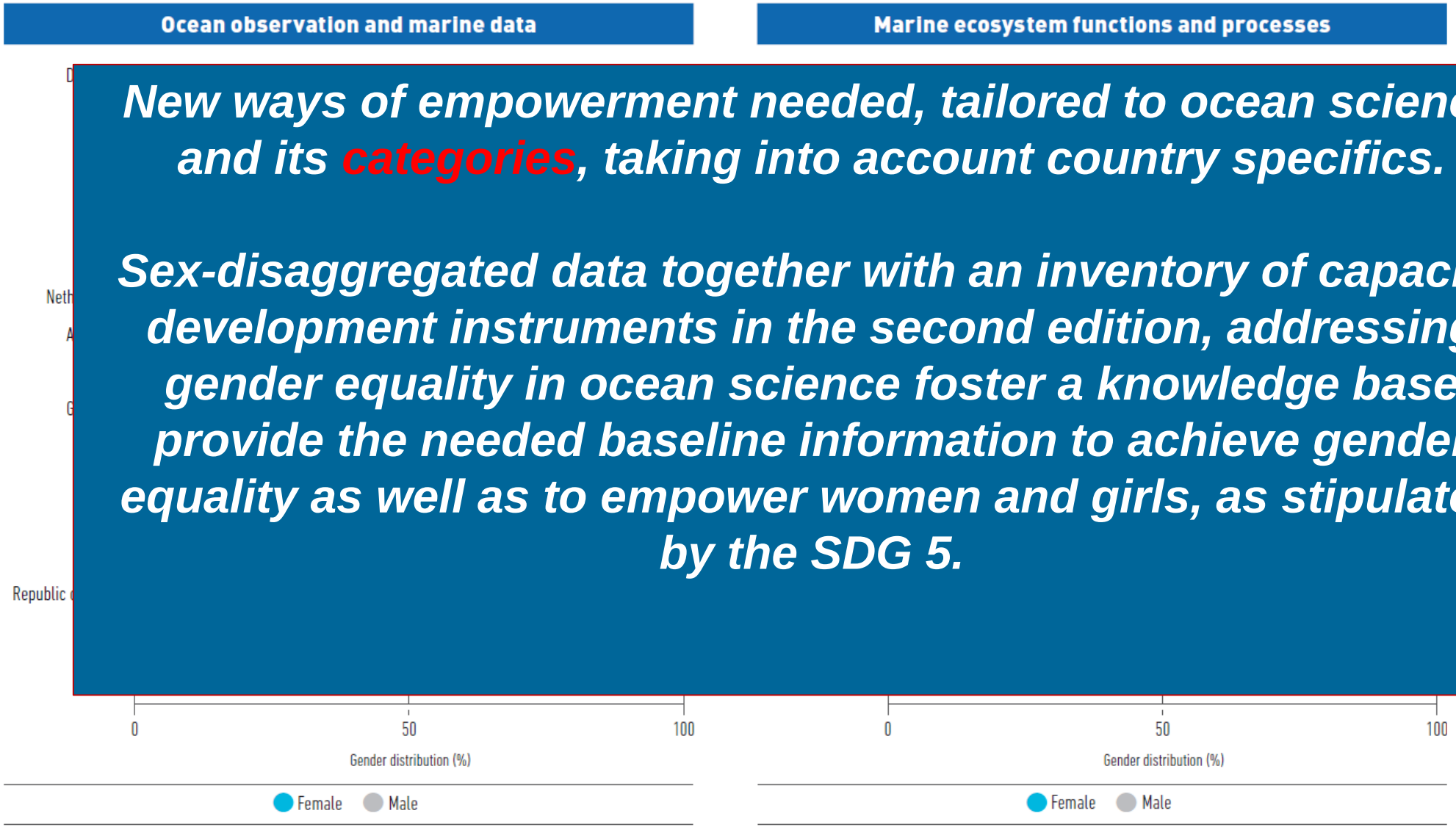

New ways of empowerment needed, tailored to ocean science and its categories, taking into account country specifics.

Sex-disaggregated data together with an inventory of capacity development instruments in the second edition, addressing gender equality in ocean science foster a knowledge base provide the needed baseline information to achieve gender equality as well as to empower women and girls, as stipulated by the SDG 5.

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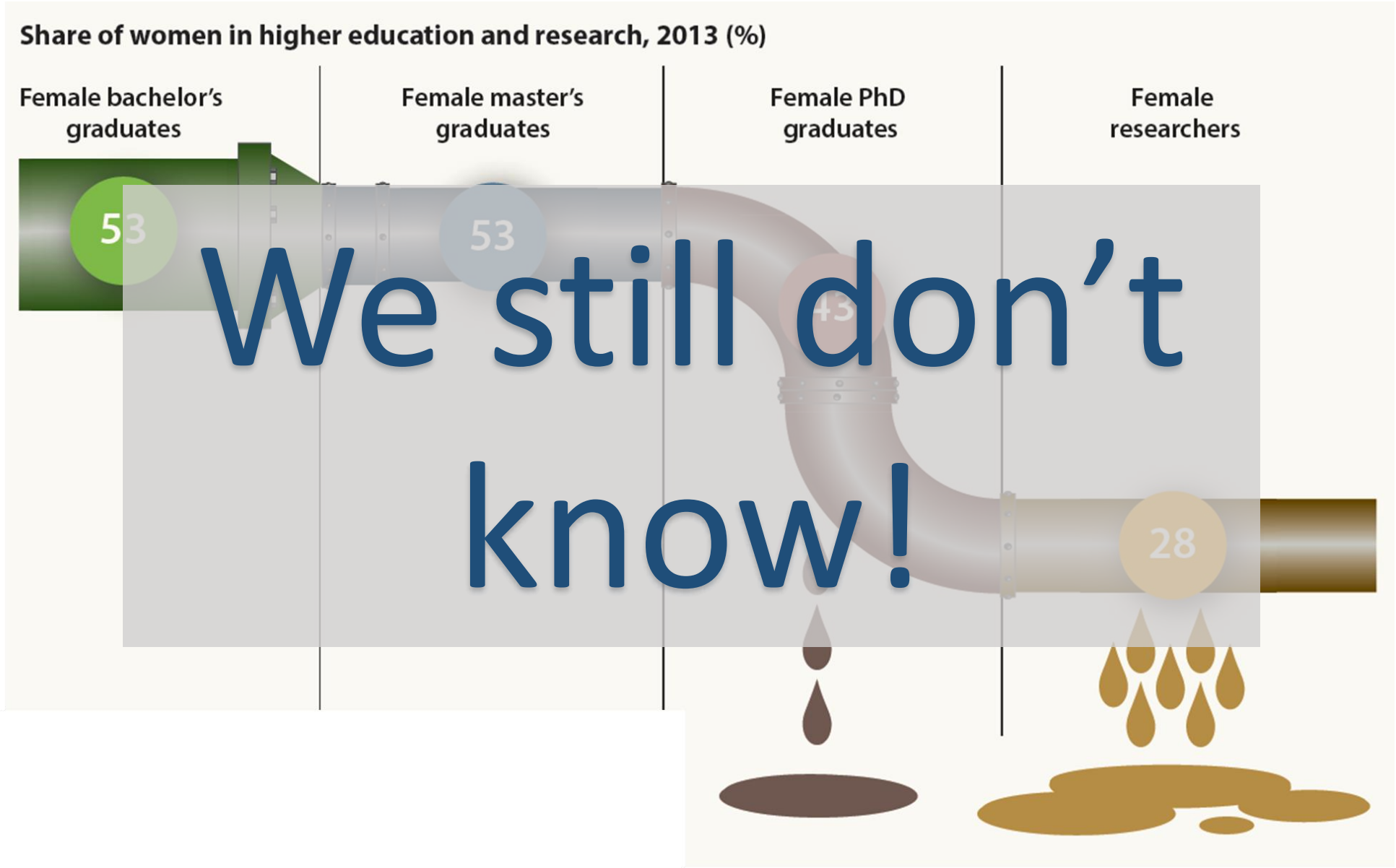


We still don't know!

UNESCO Science Report 2015

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

A global framework to help governments and societies achieve the major goals of our generation

United Nations Educational, Scientific and Cultural Organization

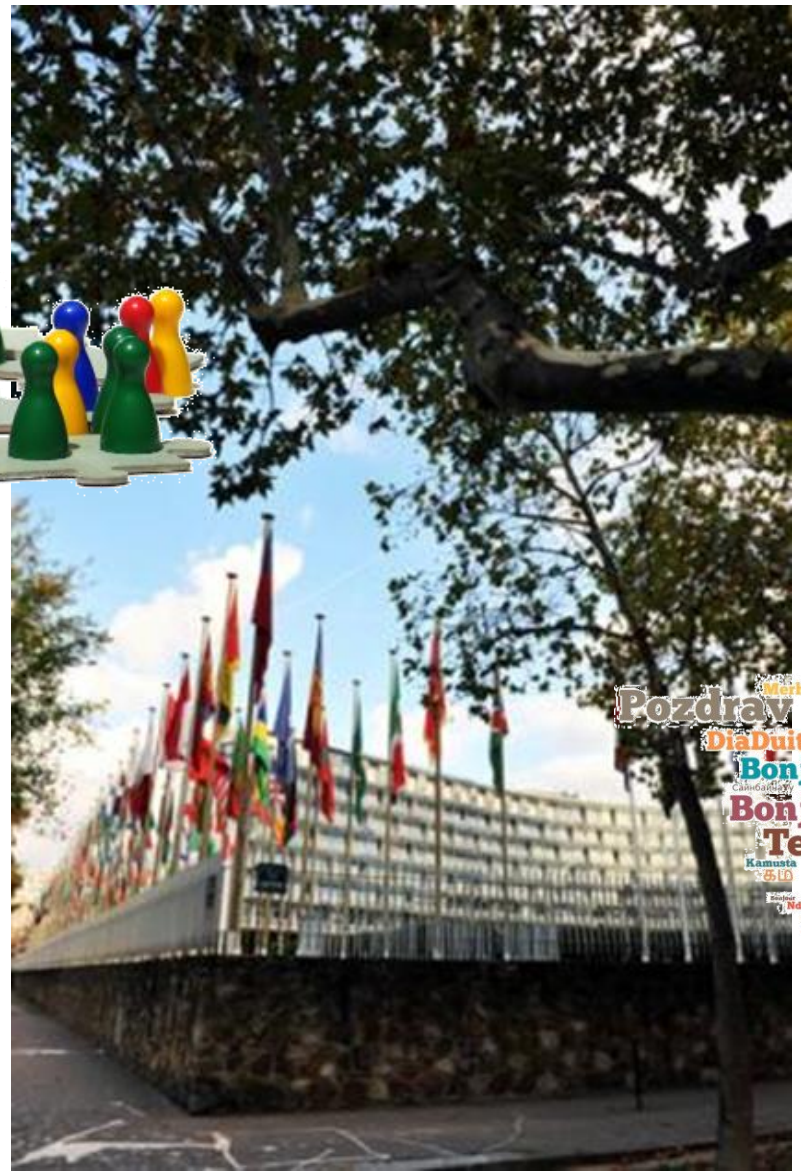
Intergovernmental Oceanographic Commission

UN Decade of Ocean Science for Sustainable Development (2021-2030)

Working in an international environment

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission




Workshop on Ocean Acidification

United Nations Educational, Scientific and Cultural Organization

Intergovernmental Oceanographic Commission

17 objectives to transform our world: Agenda 2030