



Ocean Data & Information Sharing Efforts

Regional Capacity Development (OIH, CMA, SPINCAM)



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2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development!

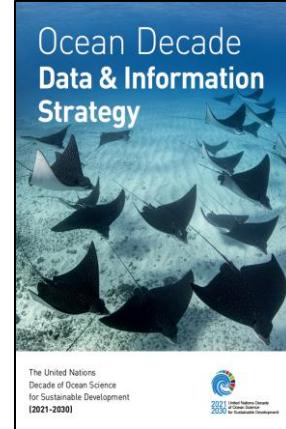
"Our knowledge of the ocean remains fragmented, but prospects of a more comprehensive and accurate understanding have never been more promising.

Digital twins, once created to operate independently, are increasingly designed to work together, or to interoperate" Tom Redd (<https://www.hubocean.earth/blog/interoperability>).

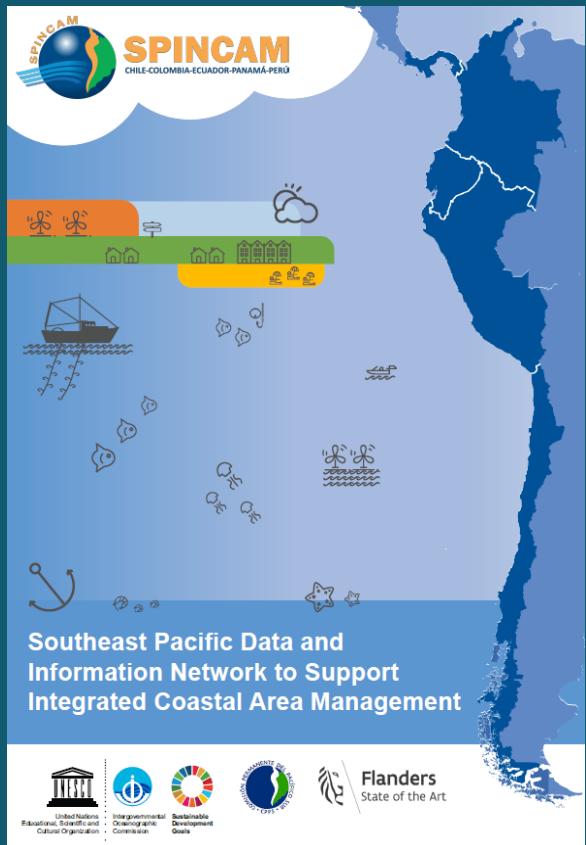
1. Interoperable, quality-controlled data on a diverse range of variables: (i) generated according to scientifically and operationally sound methods; and (ii) persistently archived in well-documented, globally applicable standards and formats;
2. Timely dissemination of data on a diverse range of variables (generated from observations and model outputs) both in real-time and delayed modes depending on the needs of user groups and their technical capabilities ("on demand" as well as automatically scheduled);
3. Easy discovery and access to data and information about a diverse range of variables and derived products (including forecasts, alerts and warnings) in a way that is user friendly for a wide variety of users.



Capacity Development Strategy 2023 - 2030



Bringing the voice of ECOPs into the ongoing global dialogue on Digital Twins of the Ocean is crucial, as future Ocean Leaders.



Share lessons learnt and best practices on
regional atlas implementation, data management
and indicators



Caribbean Marine Atlas

Works on the access to spatial data and information by creating an online digital platform to ICAM and Ecosystem-based Management (EbM) for the Caribbean Large Marine Ecosystem.

The atlas contain is represented by **879** layers, a collection of base maps, a catalog of documents/maps and **10** indicators.

Provide **information for decision makers**.

This experience has been **shared in a south-south cooperation** with African Coastal and Marine Atlas – ACMA

ABOUT THE OCEAN INFOHUB PROJECT

The Ocean InfoHub aims to build a sustainable, interoperable, and inclusive digital ecosystem for all ocean stakeholders. Existing and emerging data systems are linked, with the ultimate goal of coordinating action and capacity to improve access to ocean data and knowledge. The Project is funded by the Government of Flanders, Kingdom of Belgium and implemented by IODE, project office of the IOC of UNESCO. It is a contribution to the OceanData 2030 Programme of the UN Decade of Ocean Science for Sustainable Development.



<https://oceaninfohub.org/>



Intergovernmental
Oceanographic
Commission

2021 United Nations Decade
of Ocean Science
for Sustainable Development



OceanData2030 (OIH & ODIS) Programme

With Regions, Portuguese NODC & World Ocean Database Cloud



United Nations
Educational, Scientific and
Cultural Organization

Intergovernmental
Oceanographic
Commission

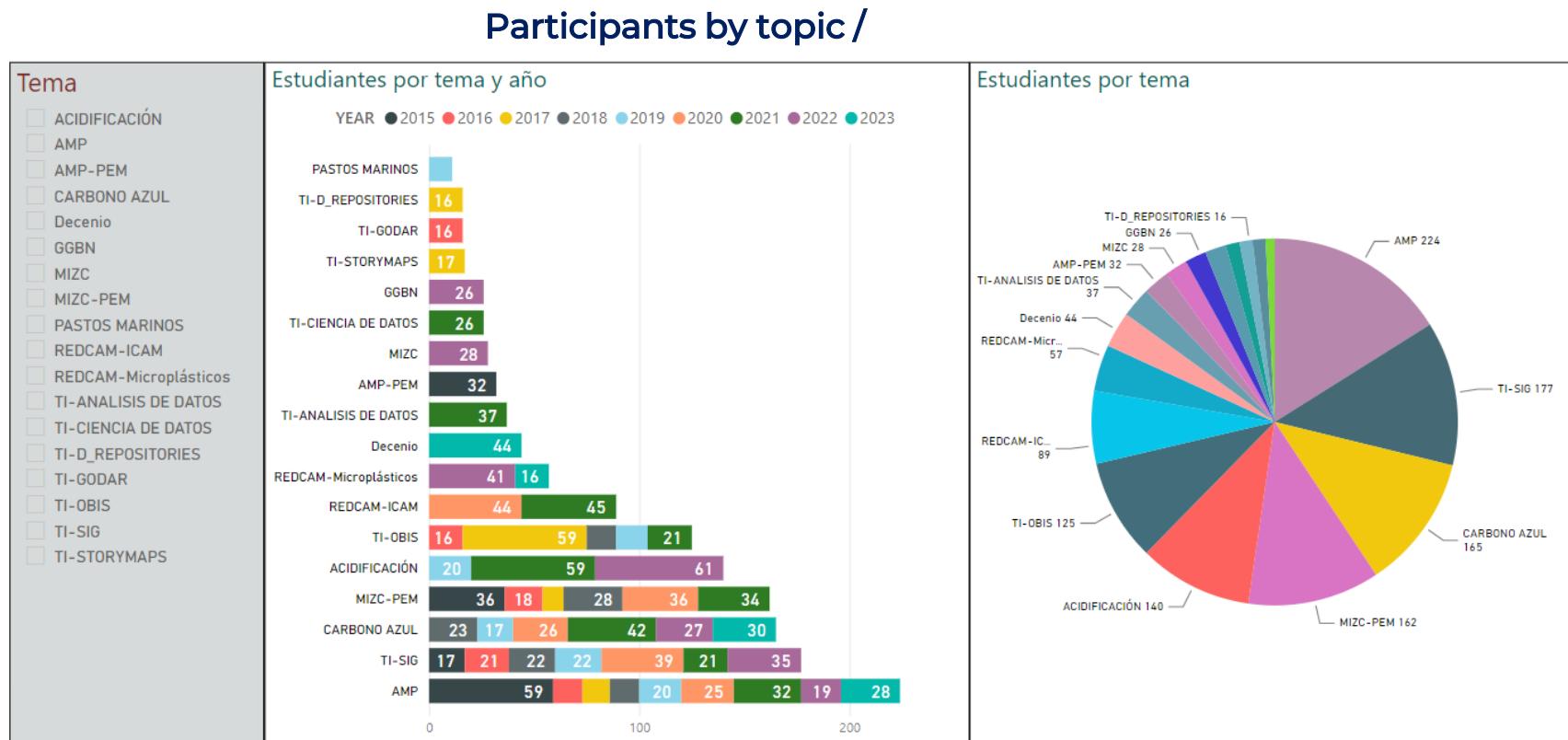
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INVEMAR Regional Training Centre 2015-2024

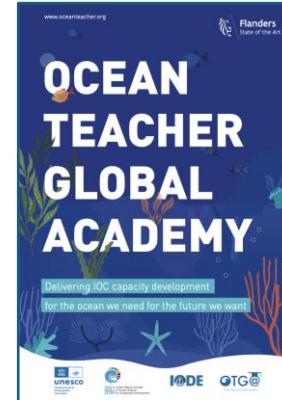
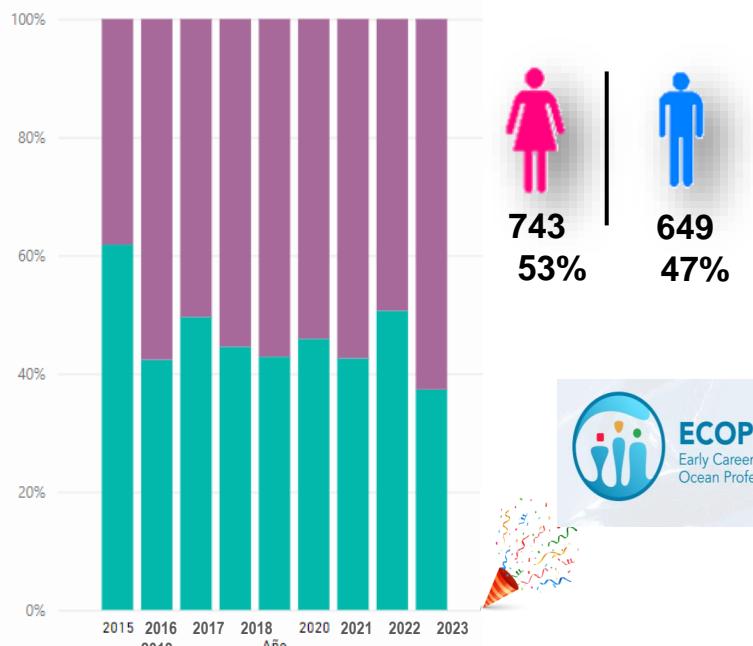
Target audience: Oceanic data and marine information managers and marine environment researchers with training requirements in data management and/or information management

| Countries | Courses | Topics | Participants |
|-----------|-----------|-----------|--------------|
| 39 | 54 | 20 | 1417 |

Delivering capacity development for the Region contribute to digital twins that can be used to monitor, model, and manage ocean and coast and their resources and ecosystems.



Participants by gender per year



Thank You! Merci! Grazie! ¡Gracias! Obrigado!
Takk! Terima kasih! ଧନ୍ୟବାଦ! Bedankt!
Medaase! 谢谢! Asante! Vinaka! Fa'afetai!
Nouari! شکرًا لك! הודה! ଧନ୍ୟବାଦ! Дякую!
Спасибо! Danke! Salamat! ありがとう！
Hvala! 감사합니다! Whakawhetai koe!