



OCEAN
DATA 2030



OceanData 2030 Charting the Future of the Digital Ocean

The volume of Ocean data is growing rapidly, alongside its variety and the velocity of its delivery to data systems around the world. These digital resources bring countless opportunities to expand our understanding of the Ocean, however, they also create new challenges. We need sustained effort to ensure that highly diverse data systems are connected, coordinated, and effectively working together. Such **global interoperability** is the key to facing the Challenges of the Ocean Decade as a global community, using one another's data to better inform decisions at all scales.

The **OceanData 2030 Programme** has been launched to enhance and sustain interoperability of ocean data systems, promoting ever deeper and more inclusive levels of marine data interoperability. OceanData 2030 will build upon the federation of interoperating data systems connected through the Ocean Data Information System (ODIS) and the Ocean InfoHub (OIH), but go much further with more diverse membership. OceanData 2030 – a registered Programme of the United Nations Decade of Ocean Science for Sustainable Development.

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2021
2030

United Nations Decade
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for Sustainable Development

Interoperability:

The ability to coordinate action and effectively work together.

The Mission of OceanData 2030

OceanData 2030's mission is to establish and continuously deepen concrete, measurable, sustainable, and extensible digital interoperability between Ocean Decade Actions and related initiatives.

To achieve this mission, OceanData 2030 will:

- ♦ Build a community of data experts drawn from across Decade Actions and external partners to co-develop lasting interoperability solutions.
- ♦ Align digital capacities guided by the Ocean Decade Data and Information Strategy and its Implementation Plan.
- ♦ Extend and interlink existing data hubs and federations to de-silo data, software, and digital services while minimising disruption to operational systems.
- ♦ Scale what works, rapidly transferring digital solutions to all partners and collaborators to power new waves of coordinated development.
- ♦ Continuously deepen interoperability, starting with universally relevant metadata and working towards domain, region, and community-specific thematic data.

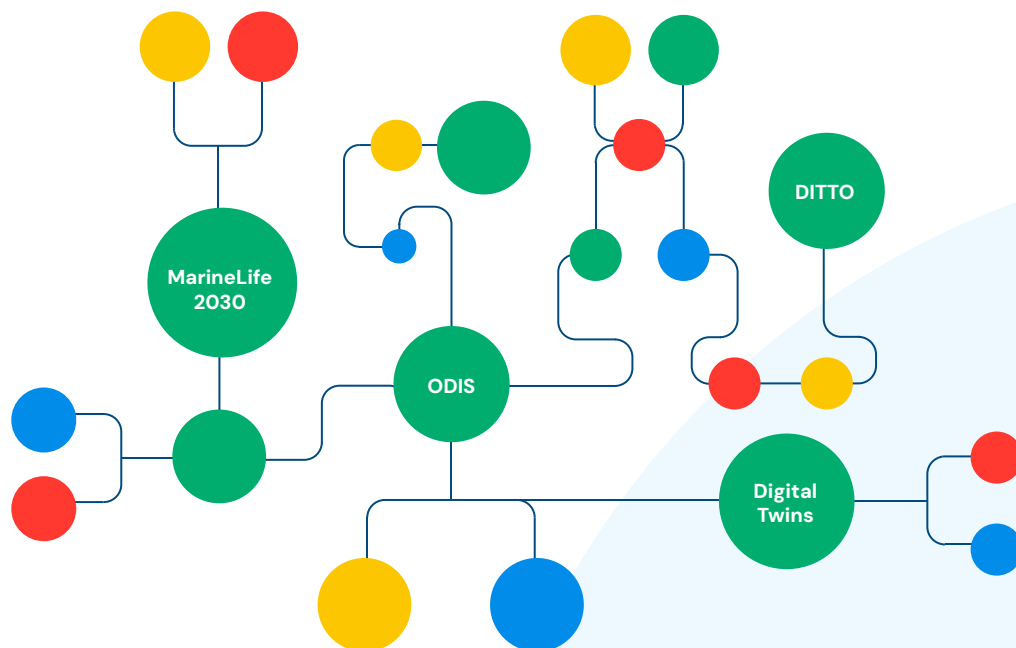
The Focus

- 1** Coordination between Ocean Decade Actions, coordination bodies (DCOs, DCCs), and external organisations.
- 2** Co-developing and orchestrating federated data solutions – both on a technical and social level.
- 3** Establish collective mechanisms to detect, package, and deliver data from ocean science and observation to decision-makers at all levels, in support of sustainable development.

Decision-maker: Anyone that has to choose between courses of action. Fishers, policy makers, CEOs, tourists, Indigenous community leaders, scientists, and many other people all need data packaged and delivered in the right way and at the right time to inform their choices.

The Network

The heart of OceanData 2030 is its growing network. Initiatives such as ODIS, MarineLife 2030, and the Digital Twins of the Ocean (DITTO) Programme are linking their digital leads and development teams to and through OceanData 2030 to enhance coordination. With support from IODE and the Decade Coordination Office for Ocean Data Sharing, we'll grow this network to increase global representation to engineer more unified digital ecosystems.



The Impact of Oceandata 2030



OceanData 2030 will enable and catalyse global, interdisciplinary, cross-domain, and intersectoral data interoperability to face the Decade's Challenges. In particular, it will help its partners face the challenges related to digitally representing the Ocean, capacity development, and behavioural change for a transparent and accessible Ocean.

OceanData 2030 – Charting the Future of the Digital Ocean

Join our mission to enhance the Ocean's digital ecosystem and contribute to a sustainable future. Together, we'll harness the power of data to protect and preserve our Ocean for generations to come.

For more information, visit:
oceandata2030.org

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**Building Digital
Awareness of Our
Ocean.**