

Ocean Decade Progress Report

2021 – 2022



The United Nations
Decade of Ocean Science
for Sustainable Development
(2021–2030)



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

OCEAN DECADE

2021-2022 **SNAPSHOT**

DECADE ACTIONS



31 Programmes
92 Projects
15 UN-led actions
42 Contributions
277 Activities



Decade actions led by
partners from
over 40 countries

Multistakholder

Science,
government,
civil society, UN
agencies, private
sector, philanthropy,
international organizations



GOVERNANCE AND COORDINATION

7

Regional task
forces



28

National Decade
committees

RESOURCE MOBILIZATION

\$844M

Secured funding



\$15M

Leveraged in funding to support
new Decade actions

OUTREACH AND ENGAGEMENT



22,900+
Followers



4,000+
Members from
139 countries on the Global
Stakeholder Forum



300+
Engaged early career
ocean professionals

Foreword

Dear Friend and Colleagues,

It is with great pleasure that I present this first Progress Report of the UN Decade of Ocean Science for Sustainable Development. After an intensive three-year preparation phase, the first 18 months of implementation of the Ocean Decade has been a time of collaboration, excitement and learning. Despite the challenges posed by the COVID-19 pandemic, hundreds of partners from around the world have joined the call to engage in the Ocean Decade and support the revolutionary ocean transformation.

By now you know the numbers – 31 global programmes, nearly 100 projects, and dozens of unique contributions. Nearly 300 workshops, training courses, publications, and events all contributing to the vision of the Ocean Decade. Seven regional taskforces and, to date, 28 National Decade Committees. The diversity of the institutions and individuals involved, as well as the geographic coverage of the initiatives is nothing less than outstanding, and I would like to take this opportunity to thank all our partners in government, industry, the research community, civil society, and philanthropy who have donated their time and resources to the Ocean Decade. My sincere gratitude also goes to the team of the Decade Coordination Unit within IOC of UNESCO for your extremely hard and talented work.

Together we have achieved so much over the last year, but more remains to be done. For example, collectively we need to increase the leadership role of institutions and individuals from Least Developed Countries, Land-Locked Developing Countries and Small Island

Developing States in the Ocean Decade and to keep supporting Early Career Ocean Professionals to grow as champions of the Decade. Indigenous and Local Knowledge should be recognized as a valuable and complementary part of the Ocean Decade. New sources of investment in ocean science wait to be unlocked so that the transformative initiatives being proposed as part of the Decade are sustained over the long-term. Co-design and co-creation of the ocean digital ecosystem must unroll at full scale to ensure that data, information and knowledge is accessible and able to be used for decision making and thus lead to the ultimate goal of sustainable ocean management, where all pieces of the Decade puzzle should eventually converge. I call on all of you for your support to achieve this shared ambition.

Together we can achieve the vision of the Ocean Decade and put the ocean, and ocean science, in its rightful place as an essential part of the conversation around sustainable development. Let us jointly celebrate the achievements to date and look forward together to the remaining nine years.

Sincerely,



Vladimir Ryabinin
Executive Secretary
Intergovernmental Oceanographic Commission
of UNESCO

Acknowledgements

IOC-UNESCO presents its sincere thanks to all the partners who have provided financial or in-kind support to the implementation of the Ocean Decade since its launch in January 2021. These include Canada, China, Egypt, France, Fugro, Germany, India, Japan, the Republic of Korea, Norway, Panerai Officine, Portugal, RevOcean, Sweden, and Thailand.

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Introduction





Proclaimed in 2017 by the United Nations General Assembly, the United Nations Decade of Ocean Science for Sustainable Development – the **Ocean Decade** – is a framework to identify, generate and use critical ocean knowledge that is needed to manage the ocean sustainably, and achieve global aspirations for climate, biodiversity, and human well-being.

Through its vision of ‘The science we need for the ocean we want’, the Ocean Decade provides an inclusive, equitable and global framework for diverse actors to co-design and co-deliver transformative ocean science to meet ten Ocean Decade Challenges. Through a collaborative, solutions-oriented approach, the Ocean Decade will contribute essential knowledge to global, regional, and national policy frameworks, including the 2030 Agenda and the Sustainable Development Goals.¹

The Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO) leads the coordination of the Ocean Decade, in collaboration with numerous partners from the United Nations system, governments, philanthropy, industry, civil society and the scientific community.

2021 was the first year of implementation of the Ocean Decade – a watershed moment in ocean science globally – and the achievements since the launch have been significant. Although challenges remain, particularly in relation to investment in ocean science, a robust foundation is now in place for the next nine years of transformative ocean science.

The **2021 - 2022 Progress Report** provides information on the key outcomes of Ocean Decade implementation across four main pillars of activity:

- ▶ Decade Actions
- ▶ Governance and coordination structures
- ▶ Resource mobilization
- ▶ Stakeholder engagement and outreach

This first Progress Report covers the period from January 2021 to May 2022.

¹ <https://unesdoc.unesco.org/ark:/48223/pf0000377082.locale=fr>

Achieving the challenges through Decade Actions



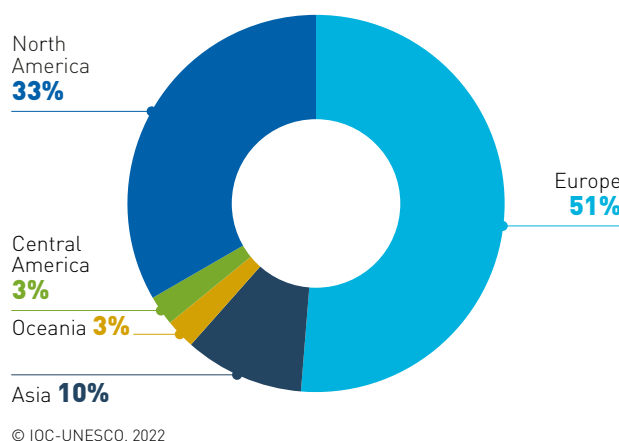
Call for Decade Actions No. 01/2020

Decade Actions are tangible initiatives, in the form of programmes, projects and activities, that fulfil the objectives of the Ocean Decade and ensure that the Challenges are met. Calls for Decade Actions are the mechanism used to attract and endorse these initiatives and are launched every six months by the Decade Coordination Unit of the IOC-UNESCO.

The first Call for Decade Actions ran from 15 October 2020 to 15 January 2021 and was open to programme submissions of any broad thematic or geographic focus, as well as contributions of in-kind or financial resources. The Call attracted over 230 submissions, which collectively addressed all ten Ocean Decade Challenges and covered all major ocean basins.

As a result of this first Call, the IOC-UNESCO Executive Secretary endorsed **31 Decade programmes**, **92 Decade projects**, and **42 Decade contributions**. Fifteen UN-led Decade Actions were also registered through this process. A full list of endorsed Decade Actions is provided in the Annex to this report and details of all Actions can be found on <http://oceandecade.org>.

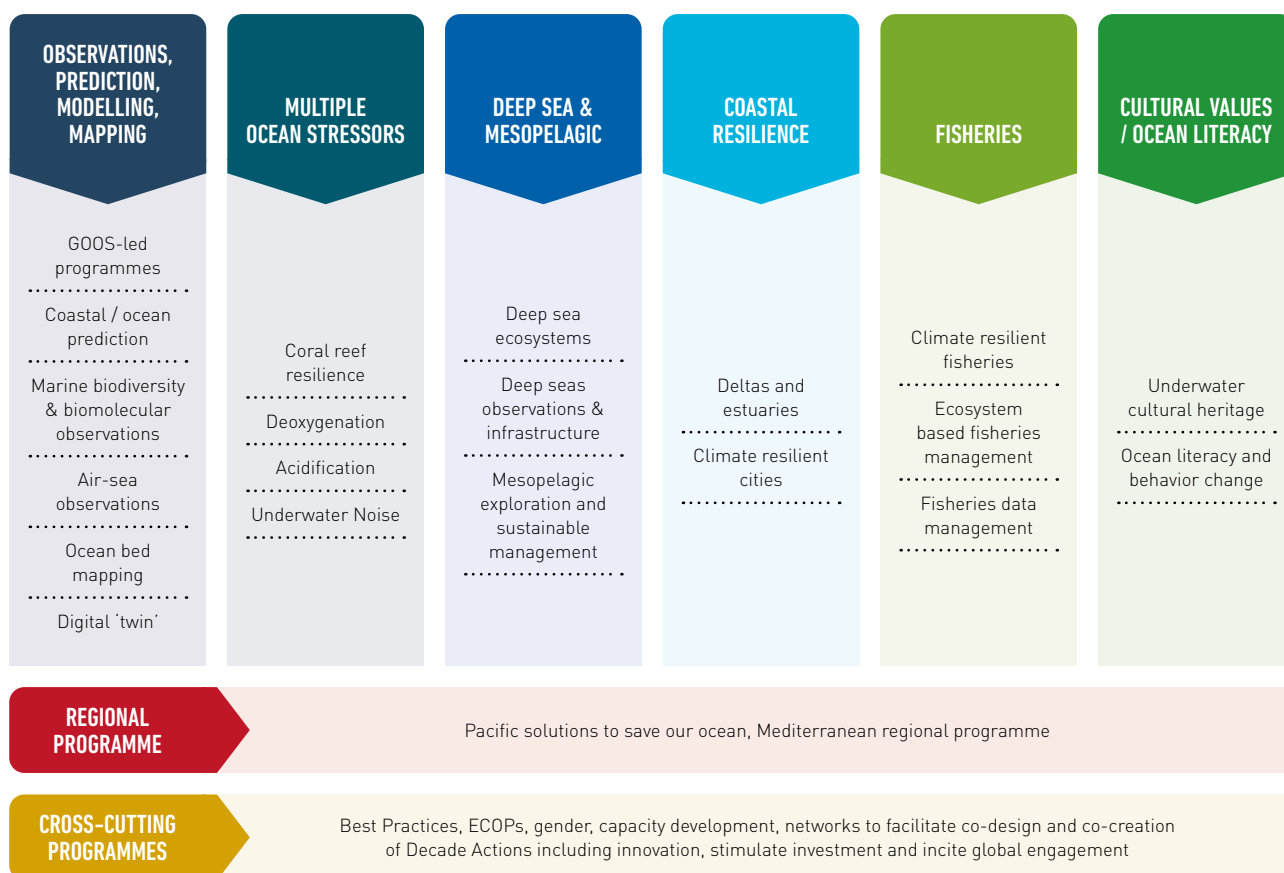
Figure 1: Geographical coverage of endorsed Decade programmes in terms of location of lead partner institution.



Decade Programmes

The 31 Decade programmes endorsed by the IOC-UNESCO Executive Secretary were led by partners from 13 countries (Figure 1), grouped into several broad categories in line with one or more Ocean Decade Challenges (Figure 2).

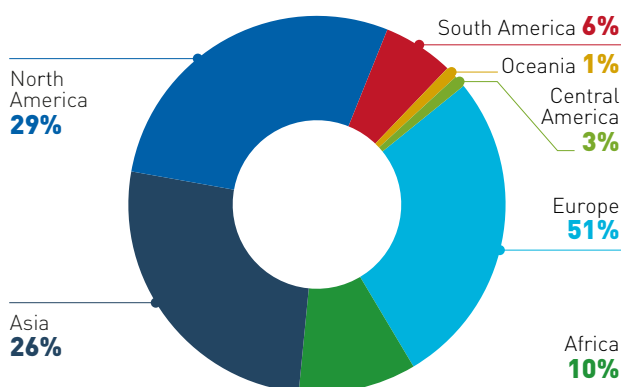
Figure 2: Main themes addressed by endorsed Decade programmes.



The most commonly addressed Challenges by Decade programmes are Challenge 2: Protect and Restore Ecosystems and Challenge 5: Ocean-Climate Nexus along with Challenges 9: Capacity Development and 10: Behaviour Change which are inherently cross-cutting, being addressed by all actions. Challenge 8: Digital Representation of the Ocean and 6: Community Resilience are least frequently addressed. A series of regionally focused Decade programmes and cross-cutting Decade programmes were also endorsed.

Decade Projects

Figure 3: Geographical coverage of endorsed Decade projects in terms of location of lead partner institution.



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The 92 endorsed projects are led by partners in 29 countries (Figure 3). Nearly half of these projects are already attached to an endorsed Decade programme; the remaining projects will be progressively attached to future Decade programmes where possible.

The most commonly addressed Challenges by Decade projects are Challenge 2: Protect and Restore Ecosystems and Challenge 5: Ocean-Climate Nexus along with Challenges 9: Capacity Development and 10: Behaviour Change which are inherently cross-cutting, being addressed by all actions. Challenge 1: Marine Pollution and 6: Community Resilience are least frequently addressed.

UN-led Decade Actions

Fifteen Decade Actions led by United Nations entities have been registered, including 8 programmes and 7 projects. These Actions came from the Food and Agriculture Organisation of the United Nations (FAO) and IOC-UNESCO. They cover issues ranging from ocean observing, stakeholder inclusion, ocean literacy, world heritage, ecosystem services, fisheries, and ocean best practices.

Decade contributions

Decade contributions are in-kind or financial resources that support Decade Actions or Decade coordination needs. Throughout 2021, the IOC-UNESCO Executive Secretary endorsed 42 contributions led by partners in 13 countries. The scope of the Decade contributions is extremely varied, ranging from Early Career Ocean Professional (ECOP) mentoring schemes, to sponsored Calls for Decade Actions, hosting of regional coordination structures, and a 10-year conference series that will showcase the Ocean Decade and its evolution.

Governments were responsible for many the Decade contributions in the form of funded Decade projects, commitments to national Decade Action Plans and the launching of national research funding programmes. Philanthropic partners submitted funding programmes as contributions, and six sponsored, co-branded Calls for Decade Actions (Section 'Mobilizing resources for the Ocean Decade') provided a significant impetus to resource mobilization for the Decade.

Call for Decade Actions No. 02/2021

The second Call for Decade Actions No. 01/2021 opened on 15 October 2021 and closed on 31 January 2022. The scope was identified based on gaps in the existing set of Decade programmes, consideration of immediate global and regional priorities for ocean knowledge, and consideration of where 'orphan' Decade projects from Call No. 01/2020 needed a structured programme to optimize their engagement in the Decade.

Call No. 02/2021 solicited Decade programmes that addressed: Challenge 1 – Marine pollution; Challenge 2 – Protection and management of marine ecosystems; and Challenge 3 – Ocean-climate nexus. The Call also solicited projects that could form part of one of the 23 participating endorsed Decade Programmes. This Call also saw the rollout of the first co-branded and sponsored calls for Decade Actions namely Ocean Decade – AXA Research Fund 'Towards more resilient coastal livelihoods' and the Ocean Decade – MeerWissen Initiative for African-German Marine Partnerships 'Nature Based Solutions in Africa'.

In total, 134 project submissions, and 38 programme submissions were received via the second Call, from lead institutions in 33 countries. The submissions were distributed to an informal expert panel and leads of endorsed Decade programmes for technical review. The Decade Advisory Board reviewed a set of programme submissions in meetings in March and May 2022 and made recommendations on endorsement. The IOC-UNESCO Executive Secretary

will be making endorsement decisions towards the end of May 2022 on a first group of programmes and projects that will be announced on World Oceans Day on 8 June 2022. Further project analysis and collection of supplementary information will continue in coming months for remaining submissions that required additional analyses.

Call for Decade Actions No. 03/2022

Call for Decade Actions No. 03/2022 was launched on 15 April 2022 and solicited programmes to respond to Challenge 3 – Sustainable Blue Food or Challenge 4 – Sustainable Ocean Economy. The scope of the Call aligns with the Year of Artisanal Fisheries and Aquaculture, led by the Fisheries and Agricultural Organisation (FAO). Additionally, 17 endorsed Decade programmes are soliciting project submissions. Two information sessions were held in the first few weeks following the launch.

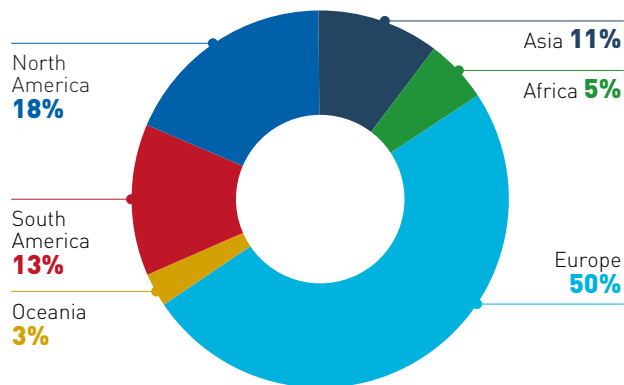
Communities of Practice for endorsed Decade Actions

‘Communities of Practice’ are groups of endorsed Decade Actions centred around a common thematic or geographic focus. They aim to facilitate collaboration and co-design, and to identify synergies towards common objectives. Each Community of Practice has a dedicated digital space on the Global Stakeholder Forum that allows them to self-organize, share events of interest with one another, highlight key partners, and exchange initial resources.

A progressive approach has been taken to starting the Communities of Practice via ‘meet and greet’ sessions organised to catalyse initial discussions on priorities and coordination. 2021 saw the formal launch of the first Community of Practice – Coastal Ecosystem and Community Resilience. Four other Communities of Practice related to deep-sea research and management, fisheries and blue food, capacity development, and multiple ocean stressors also held meet and greets in early 2022. As more Decade Collaborative Centres and Decade Implementing Partners come online, these decentralized structures will play a core coordination role in supporting Communities of Practice.

Decade Activities

Figure 4: Geographical coverage of endorsed Decade activities in terms of location of lead partner institution.



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There were 277 Decade activities representing one-off events, publications or exhibitions endorsed during this period. These have lead institutions in 46 countries (Figure 4). Germany, the United States, Brazil, and France were the most active, with more than 20 endorsed activities each. The most common type of activity held was ‘events’ of which there were 166.

Universities and their students were the most common audience targeted by the endorsed Decade activities, followed by the scientific community, and youth. All the endorsed Decade activities addressed more than one Decade Challenge, but Challenge 10 – Behaviour Change was the most frequently addressed, while the least frequently addressed was Challenge 8 – Digital Representation of the Ocean.

Governance and coordination of the Ocean Decade



Interim Decade Advisory Board

The mandate of the Executive Planning Group (EPG) that was operational during the Decade preparation phase was revised and extended in early 2021 to become the Interim Decade Advisory Board. Made up of 19 globally renowned scientists, the Board met four times throughout 2021 to review Decade programmes and provide feedback on strategic issues, including the monitoring and evaluation framework, increased engagement in SIDS and LDCs, and the scope of Call for Decade Actions No. 02/2021.

Establishment of the Decade Advisory Board

The Decade Advisory Board is a multi-stakeholder advisory body that assists the IOC-UNESCO Secretariat in performing its function as coordinator of the Decade. The Board reports both to the IOC-UNESCO Governing Bodies and the IOC-UNESCO Executive Secretary. The Board's advice to the IOC-UNESCO Governing Bodies concerns strategic elements of the Decade implementation, as well as advice and operational support to the IOC-UNESCO Executive Secretary to facilitate the endorsement process of Decade Actions, specifically at the programme level.

A global nomination process in mid-2022 solicited over 240 nominations for individual expert members of the Board. Based on a comprehensive evaluation process led by the IOC-UNESCO Chair, 15 experts were selected for the period 2022–2023, hailing from 13 countries and from diverse sectors including government, private sector, philanthropy, civil society, and the scientific community.

In addition to the fifteen expert members, UN Legal Counsel/DOALOS, which is the Secretariat and focal point of UN-Oceans and the United Nations Convention on the Law of the Sea, has one permanent seat on the Decade Advisory Board as does the IOC-UNESCO Secretariat as coordinator of the Decade. Three more seats are reserved for representatives of UN Agencies that are identified through consultations via UN-Oceans at regular intervals. The World Meteorological Organisation, the UN Environment Programme, and the International Seabed Authority were selected through the established process for 2022.

All appointed Board members, including representatives of the UN agencies met in person for the first time from 28th to 30th of March 2022. They discussed priority strategic topics including the most effective means of measuring progress of the Ocean Decade, resource mobilisation, engagement of partners in Small Island Developing States (SIDS) and Least Developed Countries (LDCs), and the ways in which the Decade's partners can engage with

Indigenous and Local Knowledge holders. Additionally, they reviewed eleven endorsement ready programme submissions to the Call for Decade Actions 02/2021. An intersessional meeting in mid-May 2022 provided further assessment of supplementary information collected from the proponents in question to finalise this process.

Decade Coordination Unit

The Decade Coordination Unit (DCU) is a dedicated team within the IOC-UNESCO Secretariat, made up of full- and part-time IOC-UNESCO staff, consultants, and secondments. Led by the Coordinator of the Ocean Decade, with the support of the Deputy Coordinator, it operates across six different areas:

1. Regional and national support
2. Decade Actions and Communities of Practice
3. Partnerships and resource mobilization
4. Outreach and communications
5. Data and information
6. Coordination and administration

The Decade Coordination Unit also acts as secretariat to the Decade Advisory Board and the Ocean Decade Alliance.

Decentralized coordination structures

To ensure that the global priorities and structures of the Ocean Decade can be implemented at regional and national levels, the Ocean Decade Implementation Plan foresees different types of decentralized coordination structures to support the work of the Decade Coordination Unit.

Decade Coordination Offices (DCOs)

Decade Coordination Offices are hosted by United Nations entities and are decentralized coordination hubs with a thematic or regional focus that support the Decade Coordination Unit to carry out its tasks. To date, three proposals exist for Decade Coordination Offices all led by IOC-UNESCO. The first focuses on data, information and knowledge management and would be hosted in the IODE Programme of the IOC. The second focuses on ocean observations and would be hosted in the GOOS Secretariat. The third would be a regional DCO hosted within the IOC Sub-Commission for the West Pacific and supported by Thailand. Additional resources are required for the operationalization of these structures and this issue will be discussed the IOC-UNESCO Executive Council session in June 2022.

Decade Collaborative Centres (DCCs)

Decade Collaborative Centres provide crucial support for the Decade Coordination Unit in the coordination of Decade Actions via Communities of Practice, catalysis of new initiatives, mobilization of resources, communications and outreach, and monitoring and evaluation. Collaborative Centres are proposed by regional or international organisations other than UN entities and have either a thematic or geographical focus. To date, six DCC applications have been received which include both regional and thematic proposals:

- ▶ Centre for Ocean Climate Solutions and Innovation (COCSI), hosted by a partnership between Ocean Visions, Georgia Tech and the Georgia Aquarium, located in the United States (also leading the endorsed GEOS Programme).
- ▶ Coastal Resilience in a Changing Climate DCC, hosted by the University of Bologna, Italy (also leading the endorsed CoastPredict Decade Programme).
- ▶ Indian Ocean Regional DCC proposed by Indian National Centre for Ocean Information Services.
- ▶ Northeast Pacific DCC, largely spanning the west coast and offshore regions of North America, hosted by the Tula Foundation in British Columbia, Canada.
- ▶ Ocean-Climate Nexus DCC proposed by the First Institute of Oceanography, Ministry of Natural Resources, People's Republic of China.
- ▶ Ocean Prediction DCC, hosted by the Mercator Ocean Institute in France.

These proposals are currently undergoing the final stages of review and announcements about their roles as Decade Collaborative Centres are planned for June 2022.

Decade Implementing Partners

Decade Implementing Partners are proposed by stakeholder institutions, networks or groups committed to and supporting the vision and mission of the Decade. They implement specific tasks, to support the implementation of discrete facets of the Ocean Decade. In 2021 two Decade Implementing Partners were approved as part of the Decade stakeholder ecosystem:

- ▶ The European Marine Board, who are expanding the impact of ocean communications through their extensive network, and leveraging their expertise to support the science-to-policy pipeline.
- ▶ JPI Oceans, who are mobilizing experts within their networks to co-design and co-deliver Decade Actions and support resource mobilization.

In 2022 a further six institutions submitted applications to become Decade Implementing Partners:

- ▶ Administrative Centre for China's Agenda 21, Ministry of Science and Technology would focus on diverse training, capacity development and science to policy linkages across numerous Ocean Decade Challenges.
- ▶ EMODnet manage extensive data tools for digitally representing the ocean on behalf of the European marine community. They would proactively seek further collaborations to expand what they can offer and engage an international community for the achievement of the Ocean Decade Outcomes via an informal working group.
- ▶ EurOcean are utilising their extensive network to engage additional stakeholders in Ocean Literacy and would contribute their ocean database management to the Decade.
- ▶ Heirs to Our Oceans, who are supporting the development of Youth Advisory Councils with the National Decade Committees.
- ▶ National Institute of Oceanography and Fisheries, Egypt would focus on training and capacity development around sustainable ocean economy, fisheries and other Ocean Decade Challenges in the Red Sea and Mediterranean regions.
- ▶ Peking University, China would focus on national and international capacity development, research and support to blue carbon initiatives.

Review of these applications are underway, with a first set of announcements planned during the 2022 UN Ocean Conference in Lisbon in June.

Informal Working Groups

Informal Working Groups comprised of external experts have been essential throughout 2021 and into 2022 to provide advice and expertise to IOC-UNESCO on the implementation of the Decade.

Communications Advisory Group

- ▶ Established in 2020, comprising 28 communications experts from a wide range of institutional backgrounds.
- ▶ Task groups: Outreach to Aquariums and Museums; Support for Ocean Decade Communications; Support for the GenOcean Campaign; and Inclusiveness and Accessibility.
- ▶ Key tasks including updating Ocean Decade Communications Strategy, promotion of the Decade during conferences and major external events, and support to GenOcean campaign.

Monitoring and Evaluation Informal Working Group

- ▶ Established in 2020 to finalize monitoring and evaluation framework.
- ▶ Framework to set out key indicators to measure progress towards the seven Decade Outcomes developed and will be piloted in mid-2022.

Data Coordination Platform

- ▶ Established in November 2021 with 25 experts to coordinate partner data contributions, and to use data from an ocean digital system.
- ▶ First meetings held to start developing the Ocean Data & Information Strategic Plan, which is to be completed by end 2022.
- ▶ Ocean Decade Corporate Ocean Data Group to be set up in Q2 2022 with private sector companies, to discuss strategies, frameworks that would help unlock privately held ocean data.

Technology and Innovation Informal Working Group

- ▶ Expert group established in October 2021 to promote strong science-technology-innovation interface and provide strategic insights to the DCU.
- ▶ The mission of the Technology & Innovation Informal Working Group is to ensure that technology and innovation is leveraged, mainstreamed, and accessible and leads to implementation of impact-driven solutions for the sustainable development of the ocean.
- ▶ Comprised of 11 experts from the private sector, academia and civil society.
- ▶ Convened an Innovative Session at Ocean Sciences Meeting in 2022 to introduce the Working Group and host breakout workshops to discuss and identify barriers and opportunities for technology and innovation initiatives in the Ocean Decade.

Early Career Ocean Professionals in the Ocean Decade

While not a working group, the Early Career Ocean Professional (ECOP) programme, supported by IOC-UNESCO works closely with other endorsed Decade programmes to ensure a generational exchange of knowledge, and provides support to early career ocean professionals who will be pivotal to the success of the Decade as they navigate their careers over the next ten years. Through providing funded opportunities, training workshops, and elevating the voices of ECOPs, the programme fosters collaboration across geographies, disciplines and sectors.

Regional initiatives

Regional action will be essential to the success of the Ocean Decade by ensuring that global priorities are translated to the local context and to engage a broad range of stakeholders.

African and Adjacent Island States

- ▶ The African Conference on Priority Setting and Partnership Development for the UN Decade of Ocean Science for Sustainable Development took place from 10 to 12 May 2022 in Cairo, Egypt. The Ocean Decade Africa Roadmap was launched at the conference to galvanise support around a common set of priorities, partnerships, co-design and co-delivery processes required for the development of Ocean Decade Actions in Africa. The process to establish a regional taskforce to oversee the implementation of the Roadmap will be launched in coming months.

Western Pacific

- ▶ The Ocean Decade was launched in the Western Pacific by the Regional Kick-off Conference from 25–26 November, 2021, hosted by the Government of Thailand and organized by IOC-UNESCO. The conference featured high-level commitments from UN agencies, governments and businesses, along with a series of 'Decade Action Incubator' events, to facilitate Decade Actions, capacity development and ECOPs programmes.

Tropical Americas and Caribbean

- ▶ A Regional Planning Group was established to advance and coordinate strategic partnerships in the region. The Regional Kick-off Conference for the Caribbean and Adjacent Regions took place from 16–17 December, 2021, marking the start of region-wide efforts in the development and implementation of Decade Actions.

Arctic Regional Initiative

- ▶ The Arctic Taskforce was launched virtually in 2020, forming seven working groups aligned with the Decade Outcomes and the resulting Arctic Action Plan was finalized in May 2021. An open community workshop was held at the Arctic Science Summit Week in Tromsø, Norway in March 2022 to discuss a proposal for a regional Arctic programme. Following the workshop, the International Arctic Science Committee (IASC) and Sustaining Arctic Observing Networks (SAON) are working together to advance the Action Plan and to ensure the co-design and co-production of relevant Decade Actions.

Figure 5: Established National Decade Committees.



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Southern Ocean Regional Initiative

- ▶ The first regional planning workshop in February 2020 led to the formation of the Southern Ocean Taskforce and in early 2021, the Taskforce identified existing priorities and mapped them to the seven Ocean Decade Outcomes, forming working groups for each. A second workshop was held in September 2021, which identified cross-cutting themes across the objectives and the Southern Ocean Action Plan was published and launched via an online webinar in April 2022.

In addition to the regional taskforces, two regional Decade programmes have been endorsed:

Pacific Solutions to Save our Ocean

- ▶ The first regional programmes to be endorsed as a Decade Programme in June 2021 and led by the Pacific Community Centre for Ocean Science in The Pacific Community (SPC), this programme aims to generate critical knowledge for the development and implementation of National Ocean Policies in the Pacific.

The Science We Need for the Mediterranean Sea We Want (SciNMeet)

- ▶ SciNMeet was endorsed as a Decade programme in October 2021. Led by the Italian Oceanographic Commission, the programme brings together 20 organizations, 145 subscribing partners and 27 countries, and addresses all ten Ocean Decade Challenges. The programme is developing a

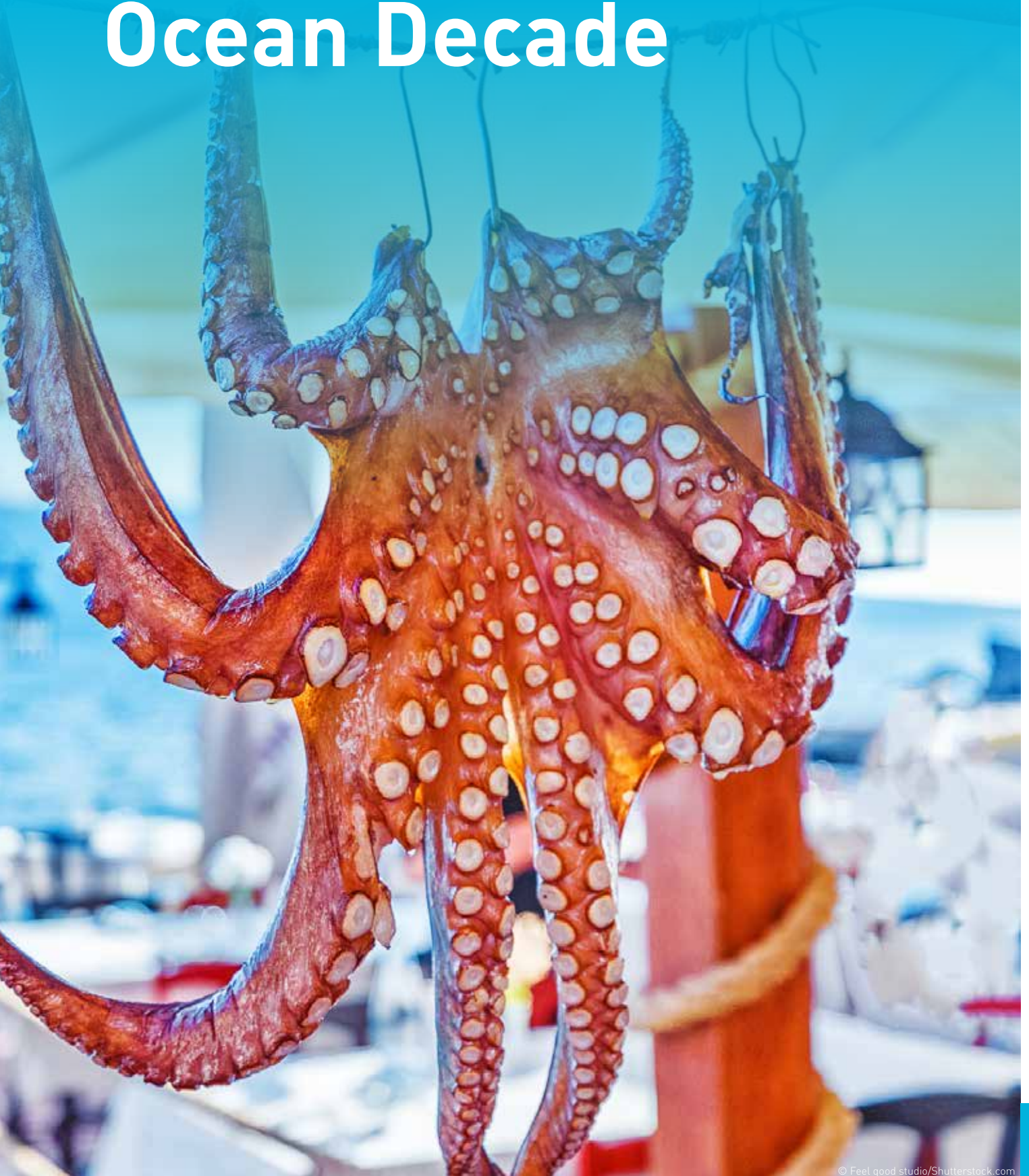
three-year operational plan being developed that will officially be launched in July 2022.

National Decade Committees & Member State Initiatives

Twenty-eight countries have established National Decade Committees to date (Figure 5). These voluntary multi-stakeholder groups are important platforms for coordination and communications about the Decade at the national level. They work in a variety of forms to catalyse new Decade Actions, mobilise partners and resources, and translate global priorities to the national level. Gaps still exist in terms of National Decade Committees in Least Developed Countries and Small Island Developing States, and the Decade is working to create mentoring and support between established and future National Decade Committees.

Forty-one member states responded to a 2022 survey gathering information about their Ocean Decade related activity. Of the Member States surveyed, 88% stated that they have been actively communicating about the Decade, 68% have carried out initiatives related to the Ocean Decade, and 88% have catalysed new Decade Actions, with 40% helping Actions connect with others. Approximately half of the respondents have supported resource mobilisation for the Decade and 45% said that they have had discussions with National Decade Committees and regional taskforces. However, despite this significant activity, many Member States indicated that further efforts are needed to raise visibility of the Ocean Decade at the national level.

Mobilizing resources for the Ocean Decade



A key premise of the Ocean Decade is that it will transform the way in which ocean science is funded and resourced so that it can be used for sustainable development solutions. The Ocean Decade does not itself provide funding; rather, it works with resource providers and funding partners to align priorities and develop new and sustained sources of support at the global and decentralized levels.

Resource needs of Decade Actions

In September 2021, endorsed Decade Programmes provided information on the resources required to develop their activities. These are broken down into three areas – action costs of the programme itself, costs of coordination of the programme, and estimated budget required to implement projects.

Figure 6 shows the gap between the resources secured and those required for the first three years of implementation of the 31 endorsed Decade programmes. Based on this initial analysis, which will be updated annually, it is estimated that financial and in-kind resources of US\$5 - 7 billion could be required over the first five years of the Ocean Decade to fully meet the needs of Decade implementation.

Figure 6: Amount of resources secured (blue) and resources needed (yellow) by Decade Programmes in US dollars in total and by type cost for the first three years of the Decade.



Ocean Decade Alliance

The Ocean Decade Alliance is a group of global Decade champions from government, philanthropy, industry and UN agencies. The Alliance is mandated to catalyze mobilisation of resources to achieve the vision of the Ocean Decade. Alliance Partners commit to provide significant financial or in-kind resources,

work with their networks to leverage and multiply resource commitments from their peers and advise the IOC-UNESCO on resource mobilization strategies to enhance funding for Decade priorities. In addition to institutional members, several Alliance Patrons have been invited to play an individual leadership role and are working closely with IOC-UNESCO to develop an ambitious workplan for 2022 and 2023. As of May 2022, the following individuals and institutions are members of the Ocean Decade Alliance:

Patrons of the Ocean Decade Alliance

H.E. Hon. Uhuru Kenyatta

President of the Republic of Kenya

H.E. Wavel Ramkalawan

President of the Republic of Seychelles

H.E. Marcelo Rebelo de Sousa

President of the Republic of Portugal

H.E. Surangel Whipps Jr.

President of the Republic of Palau

H.E. Jonas Gahr Støre

Prime Minister of the Kingdom of Norway

His Serene Highness Prince Albert II

Sovereign Prince of Monaco

Her Royal Highness Princess Lalla Hasnaa

President, Mohammed VI Foundation for Environmental Protection

Ms. Inger Andersen

Executive Director, United Nations Environment Programme

Ms. Wendy Schmidt

Founder, Schmidt Ocean Institute

Dr. Martin Parkinson AC

Co-Chair, Great Barrier Reef Foundation

Institutional Members

Canada

Kingdom of Norway

Kingdom of Sweden

Republic of Kenya

Republic of Korea

Republic of Portugal

Republic of Seychelles

Republic of Palau

International Seabed Authority

United Nations Environment Programme

Great Barrier Reef Foundation

Mohammed VI Foundation for Environmental Protection

Prince Albert II of Monaco Foundation

Schmidt Ocean Institute

Officine Panerai

Fugro

Member State Support

Financial and in-kind support from Member States has been crucial to the implementation of the Ocean Decade. Contributions and support from Canada, China, Egypt, France, Germany, India, Japan, the Republic of Korea, Norway, Portugal, Sweden, and Thailand have all been essential to the continued functioning of the Decade Coordination Unit, to the establishment of essential elements of governance, coordination and communications of the Ocean Decade, and to hosting of global and regional conferences.

Foundations Dialogue

The philanthropic community plays a vital role in supporting the Ocean Decade. As catalysts, conveners, and risk-takers, foundations have been at the forefront of exploring emerging research areas and fostering collaborations amongst diverse partners that have the potential to generate and disseminate the transformational knowledge and scientific capacity needed to address Decade Challenges. Launched in February 2020 in Copenhagen, the Foundations Dialogue brings together more than 25 foundations from Africa, Europe, Oceania, North America and South America to discuss how to effectively mobilize resources for Decade priorities. This first meeting, hosted by the VELUX Foundations, led to the establishment of a Research Vessel Working Group, the Technology and Innovations Informal Working Group, as well as regional expansion opportunities in Africa, Oceania and South America, and the Indian Ocean Basin.

The Second Foundations Dialogue Meeting, hosted by Mohammed VI Foundation for Environmental Protection, will be held in Rabat, Morocco between June 1st and 3rd 2022. This meeting will discuss the role of the philanthropic community in different aspects of Ocean Decade implementation including co-design and uptake of science.

Co-Branded calls for Decade Actions

In 2021, there were six sponsored calls for Decade Actions launched that combined leveraged close to USD 15 million for new Decade Actions:

Organization	Project
AXA Research Fund	Support to eight postdoctoral research projects in the area of coastal livelihood preservation.
Meer Wissen Initiative African-German Partnership for Marine Research	Support to German-African partnerships for nature-based solutions in Africa.

ArcticNet, IOC-UNESCO and Mitacs	New projects to address research gaps related to human health, natural and social sciences in the Canadian North. Proposals solicited to span disciplines and all contexts, from community to global.
JPI Oceans, with support from Belgium, Germany, Italy, Ireland, Norway, Poland, Romania, Spain, together with BANOS, BlueMed and NOAA	Underwater noise in the marine environment. Projects to support policy and governance, experimental research initiatives on acoustic pollution of the ocean
Fisheries and Oceans Canada (DFO)	Open call for projects contributing to one or more of the Decade Outcomes.
Western Australian Government	Open call for projects to support priority Ocean Decade outcomes and challenges in Western Australia.

Ocean Decade Partnerships

The Ocean Decade provides a framework through which stakeholders from diverse sectors can support the Decade goals by establishing partnerships in networking and experience sharing, mobilisation of financial and in-kind support, and awareness raising. To complement the important partnership agreements signed in 2020, which include **RevOcean**, the **Schmidt Ocean Institute** and **IMOCA**, four new partnerships have been developed:

Officine Panerai has entered into a two-year partnership with the IOC-UNESCO to support implementation of the Ocean Literacy With All (OLWA) Decade Programme.

Fugro has committed to directly support the Ocean Decade by providing the IOC-UNESCO Secretariat with experts to establish and administer two key ocean science data working groups, including a working group of global private sector stakeholders to collect data to support the Decade.

The Ocean Race aims to support the Ocean Decade by raising awareness of the impact humanity is having on the ocean and gathering data relating to the state of the marine environment, including the more inaccessible areas of the ocean, and ensuring that the data helps to advance ocean research.

The Prince Albert II of Monaco Foundation will cooperate with the IOC-UNESCO over the next three years by collaborating at scientific and high-level events and hosting third edition of the philanthropic Foundations Dialogue in Monaco in June 2023.

Stakeholder engagement and outreach



Ocean Decade website and Global Stakeholder Forum

In October 2021, IOC-UNESCO launched a new website: www.oceandecade.org with a fresh design and user-friendly structure. Dedicated sections on news, events and resources are regularly updated by a web editor to ensure the widespread promotion of all activities.

At the same time, an interactive online platform called the **Global Stakeholder Forum**, was launched with a dedicated community manager. The Global Stakeholder Forum enables people from around the world, across multiple demographics, to engage actively with the Ocean Decade, and has attracted over 4,060 users across 139 countries. It serves as the portal for submissions to the Calls for Decade Actions and requests to endorse Decade Contributions and Activities. It is also the digital home of Communities of Practice, National Decade Committees, Decade Actions and the Ocean Decade informal working groups.

Social media reach

The Ocean Decade is active on four social media channels:

- ▶ Twitter: <https://twitter.com/UNOceanDecade>
- ▶ Facebook: <https://www.facebook.com/oceandecade>
- ▶ LinkedIn: <https://www.linkedin.com/company/un-ocean-decade/>
- ▶ Instagram: <https://www.instagram.com/unoceandecade/>

The Decade attracted more than **22,900 followers** during its first 18 months, ranging from science, governments and the private sector to philanthropists and engaged citizens.

Social media analytics as of 22 April 2022

				
Followers	8,842	2,565	7,633	3,914
Interactions (engagement + clicks)	44,110	26,510	68,022	N/A

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Social media is crucial for the promotion of Decade Actions, stories, and events, helping the DCU dialogue and engage with different types of audience. It is also a way to encourage related networks and partners to drive awareness about the Decade through their own channels. In parallel to creating unique content for the dissemination of Decade-related activities,

the channels also act as an 'echo chamber' for propagating content from other users who are posting about ocean issues and the Decade, ensuring that there is a continuous flow of information.

GenOcean – For the Ocean we Want

The **GenOcean** campaign is the public-facing communications campaign of the Ocean Decade (<https://genocean.org/>). Launched on 4 April 2022, it seeks to inform the audience of the importance of the ocean and the challenges facing it, as well as the need for knowledge and science in helping us to take action to restore, protect and live with this ecosystem.

The campaign is organized around three pillars: Action, People, Science. Featuring stories of individuals from different backgrounds and the ways in which they are taking action for the ocean, GenOcean will build on the power of people-led storytelling to grow awareness in the public around ocean issues and inspire a paradigm shift in their daily lives, while still being rooted in scientific knowledge and research.

Since the launch, GenOcean has seen excellent uptake and engagement on social media, with a combined global reach of half a million people. The GenOcean audience has joined from every continent and many countries, including Brazil, Colombia, India, Japan, France, United Kingdom, United States and Papua New Guinea.

Media partnerships

Media outlets play a key role in disseminating the Decade's vision to a wider audience and helping to create partnerships to achieve the ocean we want. During 2021, the Decade cultivated existing partnerships and formalized new ones to build on the expertise and capabilities of research and academia, transforming knowledge into practical solutions:

- ▶ **MARINE & OCÉANS** (France, quarterly magazine): section dedicated to the Ocean Decade in each issue + Ocean Decade special issue (2021).
- ▶ **ECO Magazine** (United States, bimonthly magazine): editorial partnership initiated in 2020 and continued through 2021 with dedicated Decade section in each issue. The magazine also published an Ocean Decade special issue featuring stories about the different initiatives and discussions contributing to each of the seven Decade societal outcomes, in time for the Decade kick-off conference on 1 June 2021.
- ▶ **The Conversation France** (online media): through a partnership between UNESCO and The Conversation France, thematic articles co-written with various stakeholders were published to

highlight the launch of the Ocean Decade and the implications of this initiative over the next ten years.

- **Nautilus** (United States, monthly magazine): discussions between Nautilus and the DCU started in 2021 to establish a collaboration to bring ocean science and conservation issues to citizens in a more accessible way. Online and in print, a new dedicated section in each issue will tell the story of how the Ocean Decade is facilitating a global knowledge revolution. An Ocean Decade special

issue will also be produced and distributed at the 2022 UN Ocean Conference.

- **SPARKNEWS** (International media engagement): Partnership around “The Changing Tide”, an unprecedented campaign to push ocean narratives to the headlines of media outlets around the world through media intelligence, capacity building sessions and a global outreach campaign to engage journalists into a more global and holistic approach to ocean coverage.

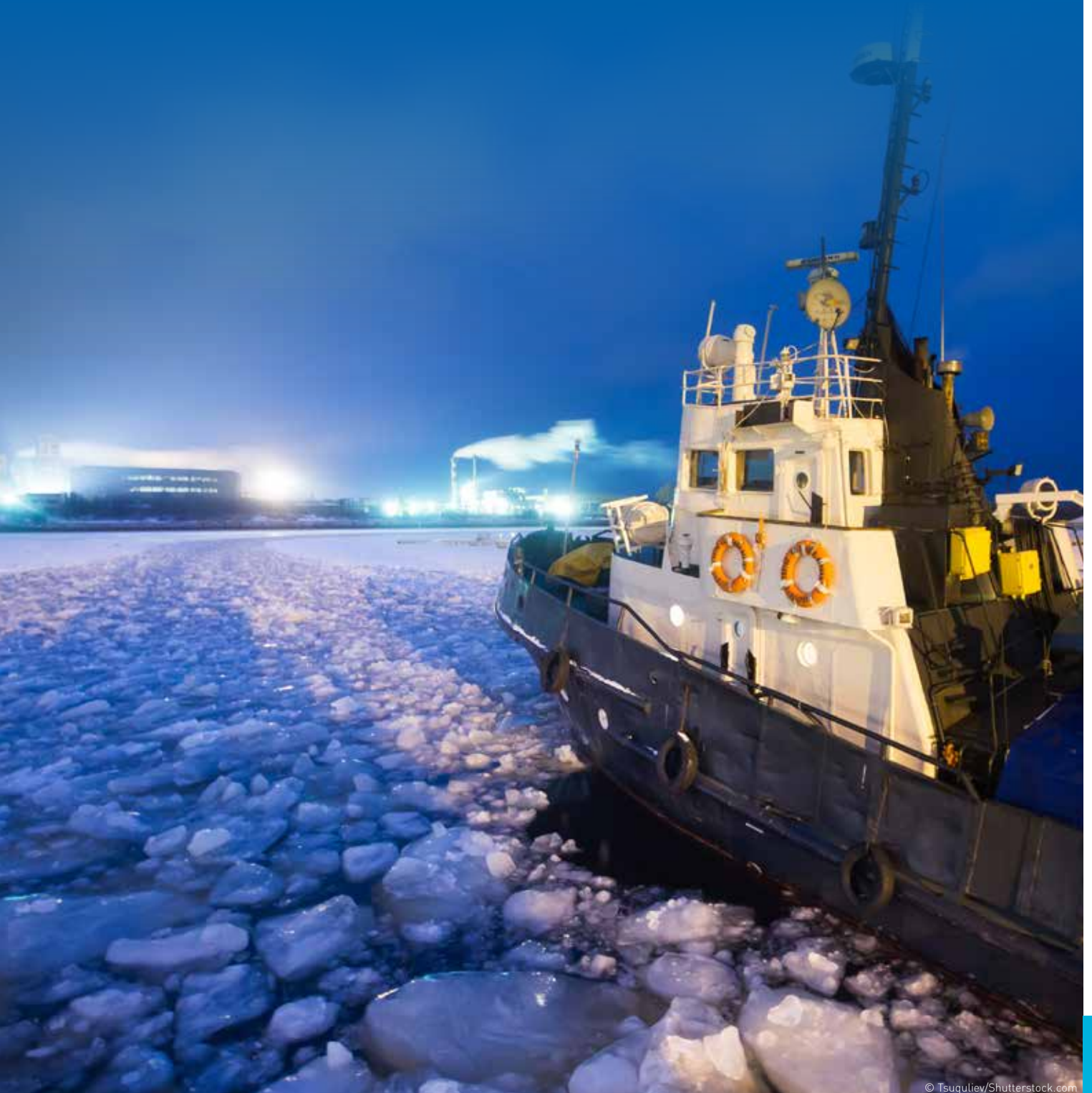
Major events in 2021 & 2022

The Ocean Decade was present at the following events over this period:

- 3 FEBRUARY 2021**  **Brave New Ocean** (virtual event)
Featured founding members of Ocean Decade Alliance, philanthropic leaders, head of UN partners, sports stars and ECOPs
- 31 MAY – 2 JUNE 2021**  **First International Ocean Decade Conference** (virtual event)
High-level kick-off of the Ocean Decade event on 1 June 2021 and seven Ocean Decade Laboratories from July 2021 – May 2022 to convene partners to catalyse new Decade Actions
- 8 JUNE 2021**  **World Oceans Day** (virtual event)
Official announcement of first set of endorsed Decade Actions
- JUNE–JULY 2021**  **Ocean Decade Creative Exhibition, UNESCO** (Paris, France)
Ocean Decade Creative Exhibition, now a travelling exhibit to be displayed in Lisbon during the second UN Ocean Conference in June 2022
- 4 SEPTEMBER 2021**  **IUCN World Conservation Congress** (Marseilles, France)
Ocean Decade Side Event “Co-Designing Knowledge for Global Marine Biodiversity Recovery”
- NOVEMBER 2021**  **UNFCCC COP26** (Glasgow, Scotland)
Four Ocean Decade side events, including sessions on ocean science for climate action, supporting SIDS and regional initiatives, and resource mobilization
- 9 – 11 FEBRUARY 2022**  **One Ocean Summit** (Brest, France)
Co-convening of high-level sessions on ocean science and ocean literacy
- 24 FEBRUARY – 4 MARCH 2022**  **Ocean Sciences Meeting** (virtual event)
Numerous sessions focusing on the Ocean Decade including related to science communications and technology and innovation in the Ocean Decade.
- 22 – 27 MARCH 2022**  **Monaco Ocean Week** (Monaco)
Ocean Decade Side Event “Innovation and solutions to achieve the aims of the Ocean Decade”
- 13 – 14 APRIL 2022**  **Our Ocean** (Palau)
IOC-UNESCO launched a commitment to convene partners and mobilize resources for ocean science in Pacific SIDS that contributes to sustainable ocean management in the region

The Ocean Decade will be highly visible at the **2022 UN Ocean Conference from 27 June to 1 July 2022** in Lisbon, Portugal, hosted by Kenya and Portugal. This milestone gathering of the ocean community which will take stock of progress to the achievement of Sustainable Development Goal 14 – Life under water, will provide a unique platform for showcasing the achievements of the Ocean Decade and catalyzing new partnerships.

Perspectives for the year ahead



Future calls for Decade Actions

The next Call for Decade Actions No. 04/2022 will be launched on **15 October 2022, closing in January 2023**. Documentation for this call will be available on the Ocean Decade website and Global Stakeholder Forum. The scope for programme submissions will be determined based on discussions and analysis by the Decade Advisory Board in the third quarter of 2022.

Measuring progress and setting the strategic ambition

The Monitoring and Evaluation Framework will be operationalized from July 2022 and will aim to measure impact and progress at different levels. The monitoring and evaluation framework will be a living document and will evolve to include strategic ambitions and targets for each of the Ocean Decade Challenges. To help achieve this, the Ocean Decade Expert Roster will be called upon to: (i) input to strategic ambition and target setting for the Ocean Decade Challenges; (ii) input to the technical review of Decade programme and project submissions to inform the deliberations of the Ocean Decade Advisory Board, and the decisions on endorsement by the IOC-UNESCO Executive Secretary; and (iii) input to Decade review processes, including the triennial State of the Decade Reports and discussions during the Ocean Decade Conference series.

Resource mobilization

2022 into 2023 will see a continued strong focus on resource mobilization with an increased focus on Member States and multilateral development banks and international financing institutions. This will include further build-out of the Ocean Decade Alliance and Foundations Dialogue, and a more strategic approach to connecting Decade Actions needing support with resource providers.

Support to Africa and SIDS engagement in the Ocean Decade

Tailored mechanisms and resources will be dedicated to ensuring that institutions and individuals in Africa and SIDS become active leaders in the Ocean Decade. This will include the creation of a regional technical support facility and tailored capacity-development activities, including co-design processes. Support to the creation and operation of National Decade Committees in SIDS and Africa will be facilitated including via mentoring from established National Decade Committees.

Private sector engagement

An informal private sector taskforce will continue to grow and refine the ability to effectively support the IOC-UNESCO in unlocking the potential for the sector to shape and influence the programmes and investments that create and disseminate the knowledge and scientific capacity needed to achieve the ambitions of the UN Ocean Decade.

Indigenous and local knowledge in the Ocean Decade

A proposed framework to support engagement with Indigenous and Local Knowledge holders is currently being discussed with interested partners, stakeholders and rights holders. This framework includes the development of a network-of-networks approach and a dedicated community of practice. It also proposes key guiding principles for ethical engagement with Indigenous peoples and local communities throughout the Ocean Decade. National Decade Committees have been involved in these dialogues and will play an important role in supporting this initiative. The network will promote opportunities to elevate the voices of Indigenous peoples' and issues with respect to the ocean at various global and regional events and will support synergies with other UN Decades, such as the International Decade of Indigenous Languages.

Annex: Endorsed Decade Actions as of May 2022



Endorsed programmes

Reference Number	Name of proposed Decade Programme
9	Global Ocean Corps and Conveyor
12	Ocean Decade Research Programme on the Maritime Acoustic Environment
14	The Coral Reef Sentinels: A Mars Shot for Blue Planetary Health
15	Early Career Ocean Professionals
16	Ocean Voices: Building transformative pathways to achieve the Decade's outcomes
17	Marine Life 2030
26	Ocean Biomolecular Observing Network
28	ForeSea - The Ocean Prediction Capacity of the Future
34	Ocean Cities, an international network of cities in harmony with the marine environment
46	The Science We Need for the Mediterranean Sea We Want
57	Challenger 150 - A Decade to Study Deep-Sea Life
63	Fisheries Strategies for Changing Oceans and Resilient Ecosystems by 2030
64	Empowering Women for the United Nations Decade of Ocean Science for Sustainable Development
69	Cultural Heritage Framework Programme
76	Global Ocean Oxygen Decade
77	One Ocean Network for Deep Observation
84	Pacific solutions to save our ocean: an integrated ocean science programme towards a healthy Blue Pacific Continent to sustain future generations.
90	Sustainability of Marine Ecosystems through global knowledge networks
97	An Observing Air-Sea Interactions Strategy (OASIS)
107	The Nippon Foundation-GEBCO Seabed 2030 Project
109	The Hydrous presents: The Decade of Ocean Empathy
118	SUstainability, Predictability and REsilience of Marine Ecosystems (SUPREME)
129	Deep Ocean Observing Strategy
137	Digital Twins of the Ocean - DITTO
138	Blue Climate Initiative - Solutions for People, Ocean, Planet
144	CoastPredict - Observing and Predicting the Global Coastal Ocean
161	Deltas associated with large rivers: Seeking solutions to the problem of sustainability
172	Global Ecosystem for Ocean Solutions (GEOS)
176	Global Estuaries Monitoring (GEM) Programme
189	Joint Exploration of the Twilight Zone Ocean Network
219	Ocean Acidification Research for Sustainability - Providing society with the observational and scientific evidence needed to sustainably identify, monitor, mitigate and adapt to ocean acidification; from local to global scales

Endorsed projects

Reference Number	Name of proposed Decade Project
4	Ocean Decade Instrument Support Initiative (ODISI)
5	Institutional capacity building towards the sustainability of ocean science in light of COVID-19 pandemic
6	Study of recent behaviour of the cyclones and marine heatwave
8	Understanding and addressing ocean acidification and changing ocean conditions through the development of OA action plans
10	Manejo Costero Integrado como Medida de Adaptación al Cambio Climático (Integrated coastal management as an adaptation to climate change measure)
11	Integrated ocean observing across the Northwest Atlantic
13	Sailing4Science - expanding the capacity for ocean observations and ocean citizen science awareness and stewardship
18	13 Océan, Circular economy for food : Urban perma-aquacultural farm project
23	COCAS: Coastal Observatory for Climate, CO2 and Acidification for the global South society
32	Marine Plan Partnership for the North Pacific Coast
37	Ocean Monitoring and Prediction Network for the Sustainable Development of the Gulf of Mexico and the Caribbean
38	Training-through-Research (Floating University)
39	The Ripple Effect – Capacity Development for the Ocean
41	Mesopelagic Ecosystem and Biopump Dynamics and Connectivity in the Pacific (MEBIDyC-P)
43	Estuarine Ecological Knowledge Network
44	Low cost real-time monitoring of pollutants and water quality along the coral reefs in Tanzania: Supporting effective ocean management
45	Protecting the estuaries of WIO region
47	Ocean effects on climate variability of the Northwest Pacific
48	A framework for effective trans-national consolidation within marine research, education and management in the Northwestern Pacific and Asian Marginal Seas
49	Ocean Literacy Educational Program (Ocean health and protection)
54	The Current III 'The Mediterraneans: Thus waves come in pairs'
56	Under the Pole • Deeplife • 2021–2030
66	Development of a warning system for predicting the risk of formation of intense atmospheric vortices of various spatial and temporal scales (water tornadoes, polar mesocyclones) over the seas of the Arctic and middle latitudes
67	Scientific-educational program 'OCEAN&Me: school under sail'
68	Global Litter Observatory
71	Comprehensive multidisciplinary research and monitoring of ecosystems of the Arctic Ocean and its seas
73	Complex multidisciplinary research and monitoring of ecosystems in strategic areas of the South Atlantic (with interested countries)
74	Ocean Generation, Ocean Intelligence
75	Enhancing ocean observing system within The Republic of Mauritius
80	ARTPORT_WE ARE OCEAN Global Program
81	Global Ocean Biodiversity Initiative
82	Surfstainable Community - Slide Water Sports for Science in Action Programme
83	WOC SMART Ocean-SMART Industries (SO-SI): Science/Industry Partnerships for Data Collection and Sharing
88	Development of a support system for decision-making on the declaration of a tsunami alarm, taking into account the geographical position features of the protected territory

Reference Number	Name of proposed Decade Project
91	Fenoy-X: A data domain system of ocean knowledge for the future prosperity of ocean resources in the Western Indian Ocean
92	The Caspian Sea Digital Twin
94	Science Monitoring And Reliable Telecommunications (SMART) Subsea Cables: Observing the Global Ocean for Climate Monitoring and Disaster Risk Reduction
96	MegaMove - Overhauling conservation of highly migratory marine megafauna at global scale
100	Blue Symbiosis
101	Animal-Borne Ocean Sensors: A decadal vision through new eyes
102	COVID-19 Bio-Logging Initiative
104	Coastal Zones Under Intensifying Human Activities and Changing Climate: A Regional Programme Integrating Science, Management and Society to Support Ocean Sustainability
112	Coral Reef Restoration Engaging Local Stakeholders Using Novel Biomimicking IntelliReefs
114	OneArgo: an integrated global, full depth and multidisciplinary ocean observing array for beyond 2020
117	FAIR Data in the UN Ocean Decade in support of integrated ecosystem assessment
119	Resilience of the ecosystems, fisheries and marine-based economy under a persistent anomalous warm and low-productivity regime in the Gulf of California
123	Integrated Ocean Carbon Observing System
127	Fish for Africa Innovation Hub
128	Advancing the European Seas' Marine Research and Innovation to Support Their Biodiversity and Resilience Under Multistressors: ReSealience
131	The West Asia Blue Waters
134	West African Science Service Centre on Climate Change and Adapted Land Use: Cabo Verde Graduate School on Climate Change and Marine Sciences
136	Save The Waves Mobile App
148	Pacific Ocean Pathways in support of sustainable development: an integrated approach
149	Above and beyond - completing the World Register of Marine Species
150	Sustainable Ocean Management Education Programme Strengthening the Blue Economy
154	Enhancement of hydrographic and oceanographic observations in support of marine scientific research (Coastal and natural resources, deep and ultradeep seabed geoscientific mapping, etc.)
157	Ocean Knowledge Base
158	Scientists for Ocean Literacy (Oceanographers and Meteorologists for Ocean Literacy)
159	SEA'TIES - Sharing solutions with coastal cities to tackle sea-level rise
164	Geosystems and mineral resources in the transition 'continent-ocean' zones and open ocean
165	Global Marine plastic litter Monitoring Network Project
167	Impact of Black Carbon in South East Asia
169	Basin Events to Coastal Impacts (BECI): An Ocean Intelligence System for Fish and People
171	EarthScope-Oceans: 300 Mermaids
174	Global Fishing Watch Marine Manager, a new technology portal to support the effective design, management, and monitoring of marine protected areas
175	Environmental predictors of the Baltic Sea eutrophication in connection with planning human activity
180	Indigenous People, Traditional Ecological Knowledge, and Climate Change: The Iconic Underwater Cultural Heritage of Stone Tidal Weirs
182	Southeast Asian Ocean Professionals Program

Reference Number	Name of proposed Decade Project
183	The Antarctic Monitoring and Assessment Programme
184	Ocean Literacy Programme for coastal communities in Ecuador
185	Creation of an ecological complex for the study, development and nature management of the Azov Sea.
196	Urchinomics Global Kelp Forest Restoration Sea Urchin Ranching Alliance
197	Costa Rica and Honduras collective action for the implementation of the Voluntary Guidelines for the sustainability of small scale fishing in the context of food security and poverty eradication
201	Tsunami potential coastal area of Indonesia Mountain Anak Krakatau, Banten, Sunda Strait, Indonesia
203	Atlas Aquatica
208	Tara International Polar Station
209	Mission Ocean Microbiomes
215	African Youths Sustainable Ocean Campaign
217	Establishment of Circulatory Aquaculture, Improvement of Shallow Waters and Evaluation System Aiming for Blue Economy
221	Unifying Approaches to Marine Connectivity for improved Resource Management for the Seas
9A	Ghana School
UN2021-002	WYTEC Blue - Women & Youth Technical Capacity for the Blue Economy: Growing Technical Capacity amongst Women and Youth in Canada & West Africa for a Safe, Secure and Sustainable Blue Economy
UN2021-003	Ocean School Global Community Project: Building Ocean Literacy through Community Engagement
UN2021-004	First Nations – Trusted Crowd-Sourced Bathymetry & Capacity Building in British Columbia, (FN-TCSB&CBBC)
UN2021-005	Monitoring ecological resilience in Northern Fisheries inshore regions through community-based environmental genomics
UN2021-014	X-Oceans: Enhancing Ocean Literacy in Youth in Rural Northeastern Nova Scotia
UN2021-025	Blue Carbon as a Canadian Climate Change Solution: Modelling the Mitigation Potential of Kelp Under Future Climate Change Scenarios
UN2021-026	Mapping and Improving High-Value Habitat influenced by Derelict Fishing Gear in the Salish Sea
UN2021-030	Advancing Indigenous Partnerships in Ocean Science for Sustainability: A contribution to the United Nations Decade of Ocean Science for Sustainable Development
UN2021-031	Advancing Ocean Literacy for the UN Decade in Canada

Endorsed contributions

Reference Number	Name of proposed Decade Programme
1	IOGP Environmental Genomics Joint Industry Programme
27	The NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) mission: Advanced satellite measurements of the sea and sky
30	Marine.Science
33	NASA Sea Level Change Science Team
35	IT-Navy High North Program
42	IOGP Sound and Marine Life (SML) Joint Industry Programme (JIP)
50	MPAs as sentinel sites for ocean conservation, science and literacy
51	NOAA Coastal Aquaculture Siting and Sustainability Program
59	The Ocean Decade Image Bank and Toolkits
65	Establishing Turkey's Marine Environment Strategy
86	Values of the Ocean – a 10 area Decade Programme for protection and sustainable use of the ocean
98	Flourishing Oceans – Plastics and Human Health
99	Global Fishing Index
116	A Transformative Decade for the Global Ocean Acidification Observing System
121	Committee on Earth Observation Satellites - Coastal Observations, Applications, Services, and Tools (CEOS COAST)
122	The World Ocean Database Programme (WODP): Openly discoverable, accessible, adaptable, and comprehensive digital global profile oceanographic data of known quality
124	Integrating Coastal Wetlands Data into Greenhouse Gas (GHG) Inventories for Developing Countries: A New International Blue Carbon Initiative
133	Promote Seabed 2030 and Ocean Mapping
135	NSF Coastlines and People
140	International Ocean Discovery Program
142	Global Ocean Biogeochemistry Array (GO-BGC Array)
146	GEOTRACES
153	Navigating the New Arctic
162	Norway-Pacific Ocean-Climate Scholarship Programme
166	France's Priority Research Program 'Ocean of solutions'
168	Reef Recovery 2030
188	Esprit de Velox
190	Universeum Ocean Science Lab
202	Monaco Explorations
204	Multinational Image Classification Assessing Coastal Habitats
226	AGU's Mentoring365: UN Decade of Ocean Sciences
239	Ocean Sciences Meeting 2022–2030
250	Piping Hot x UN Decade of Ocean Science for Sustainable Development
500	Ocean Literacy Toolkit for Governments
503	Coastal livelihoods: preserving oceans to strengthen coastal resilience Post-doctoral call for projects
505	Call for Proposals of the MeerWissen Initiative for African-German marine research partnerships
506	1000 Ocean Start-Ups Coalition

Reference Number	Name of proposed Decade Programme
507	Polar Pod Expedition
510	Joint Programming Initiative Healthy and Productive Seas and Oceans
512	Supporting Canadian Arctic Marine Research Projects Responding to the United Nations Decade of Ocean Science for Sustainable Development

Registered UN Actions

Reference Number	Name of proposed Decade Programme
UN1	Ocean Observing Co-Design - Evolving ocean observing for a sustainable future
UN2	Observing Together: Meeting Stakeholder Needs and Making Every Observation Count
UN4	Digital innovation Hand-in-Hand with fisheries and ecosystems scientific monitoring
UN5	Ocean Practices for the Decade
UN6	The EAF-Nansen Programme - Supporting the Application of the Ecosystem Approach to Fisheries (EAF) management, considering climate and pollution impacts
UN7	Ocean Literacy With All (OLWA): the change we need for the ocean we want
UN8	eDNA expeditions in marine World Heritage sites. Engaging citizen-scientists in revealing the richness and vulnerability of biodiversity for the conservation of UNESCO sites in a changing climate
UN9	Building Forward Better by Safeguarding Natural Capital and Ecosystem Services
UN10	OceanTeacher Global Academy: Building Capacity and Accelerated Technology Transfer for the Ocean Decade
UN11	Pacific Islands Marine Bioinvasions Alert Network
UN21	Accelerate Marine Spatial Planning in the Western Pacific
UN22	Stem the tide of Asia's riverine plastic emission into the ocean
UN23	Accelerating capacity development transformations in the Western Pacific - Regional Network of Training and Research Centers (RTRCs) on Marine Science
UN24	Explore the strongest ocean current in the Western Pacific: the 2nd Cooperative Study of Kuroshio and Adjacent Regions – from its sciences to human well beings
UN25	An Ocean Data and Information System supporting the UN Decade of Ocean Science for Sustainable Development

For further information

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