



2021 United Nations Decade
of Ocean Science
2030 for Sustainable Development


The Ocean Decade: a framework for transformative change at the regional and national level

AIR Centre – Networking Fridays

18 December 2020
14.00 – 16.00h



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Opening Remarks:
Minister Manuel Heitor
Minister of Science, Technology, and
Higher Education



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**Update on the Ocean Decade and
launch of the report ‘Engaging and
Empowering Regional Stakeholders:
Synthesis of Regional Consultation
Workshops (2019–2020)’:**

Vladimir Ryabinin
Executive Secretary, IOC



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**Co-designing the science we need for
the ocean we want at the global and
regional level:**

Susanne Moser

Expert in collaborative research and co-
design, IOC Consultant

The Ocean Decade Webinar Series



More information on sessions on www.oceandecade.org



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Key pillars of the series:

- Inclusivity
- Co-design and co-delivery
- Subsidiarities
- Partnerships

Based on the **Decade Challenges** and **cross-cutting issues** such as...

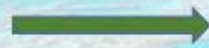
- Research co-design
- Data sharing
- Ocean & human health
- Ocean-climate nexus
- Sustainable economy of SIDS
- Ocean observation
- Food security

The Need for Transformations to Ocean Sustainability

Central to the Ocean Decade is the notion of transformation

Where we are

- Science largely competent for problem diagnostic
- Observing system for climate and emerging data service
- Major knowledge gaps, weak ocean literacy
- Funding base mostly in research mode
- Hugely uneven capacity, especially in developing countries/SIDS



Where we would like to be

- Science providing solutions and motivating action
- Ocean data and information system for past, present, and future
- Ocean literate and well-informed decisions
- Clear value chain leading to resourcing and commitment
- Capacity Development/Transfer of Technology: no one left behind

Co-designing the Science We Need for the Ocean We Want



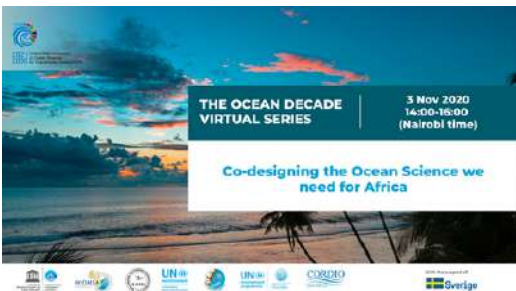
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Two global sessions:

- 655 attendees
- Session 1 – Importance of TDR and how to engage diverse sectors, geographies and disciplines
- Session 2 – Methodologies to recognize complementarities across knowledge systems, institutional conditions and appropriate funding structure, capacity building

Seven regional sessions:

- More than 1,350 attendees
- Challenges and opportunities for doing TDR
- Capacity-building, training & education needs



Introductory Session

- What is co-designed, solution-oriented research in the context of the Decade?
 - What is transdisciplinary research
 - Lessons learned from transdisciplinary project
 - From interdisciplinarity to transdisciplinarityQuestion period
- How to foster co-designed, co-production, co-delivery in ocean research?
 - Funding structure
 - Overcoming institutional barriers
 - Role of private sector
 - Reinforcing the science-policy interface
 - Regional Ocean Governance

Session - "Co-designing the science we need for the Ocean Decade"

24 September, 2020 (16:00 - 18:00 CEST)

REPLAY: <https://www.youtube.com/watch?v=i5YX3Zk8vIc&feature=youtu.be>

Concluding Session

Part 1 - Co-design and initial recommendations to support innovative co-designed, solution-oriented research

- Introduction to co-design and transdisciplinary science
- Initial recommendations from webinars
- Methodologies for engagement

Part 2 - How to recognize complementarities across knowledge systems and support effective interactions

- Lessons learned from the SOPHIE project
- Moderated expert panel

Part 3 - How to build capacity & mobilize resources for co-design and co-production of solution-oriented knowledge

- Moderated expert panel
- Lessons learned from the Transformations to Sustainability programme

Session - "Co-designing the science we need for the Ocean Decade – Part 2"

8 December 2020 - will be posted at:

<https://www.oceandecade.org/news/77/The-Ocean-Decade-Virtual-Series>

Key Aspects of Collaborative Research



Collaborative or “transdisciplinary” research: Collaboration between sectors, geographies, and disciplines (natural, social sciences and humanities) to produce and use ocean science that addresses complex societal challenges

Co-Design

Participatory development of a research project with stakeholders and users.

Co-Production

Participatory implementation of a research project with stakeholders.

Co-Delivery

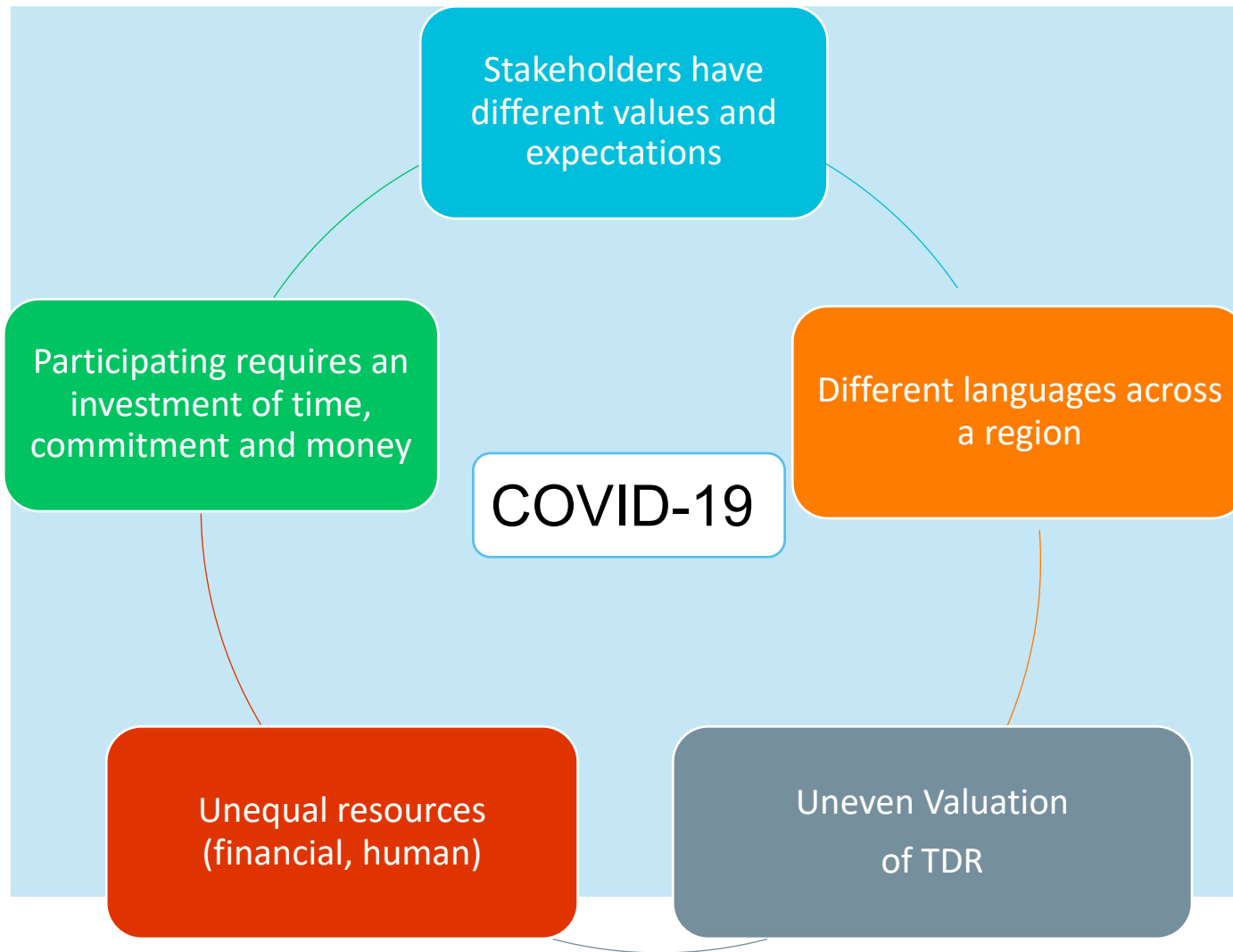
Participatory development of delivery strategies with stakeholders for:

- Appropriate use of research
- Reaching decision-makers wherever they are
- Establishing knowledge sharing and data platforms
- Connecting communities, private sector, current & new partners

What are some key challenges in doing TDR?



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Initial recommendations



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Define clear role for stakeholders & expected investments

Establish mutual understanding and coordination

Build on pre-existing relationship and shared practical experience

Structural mechanisms to manage complexity

Common goal & positive impact for all & communicate clearly

Co-leadership between academic and non-academic leaders

Identifying baseline inequalities

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THE OCEAN DECADE VIRTUAL SERIES | 29 Oct 2020 15:00-17:00 (CET)

Co-designing the Ocean Science we need for Polar regions

With the support of Sverige

Recommendations for the Arctic:

- Develop an Arctic research project
- Increase involvement of Indigenous and local communities

Recommendations for the Southern Ocean:

- International collaboration and reorganisation
- Sustained funding

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THE OCEAN DECADE VIRTUAL SERIES | 3 Nov 2020 14:00-16:00 (Nairobi time)

Co-designing the Ocean Science we need for Africa

With the support of Sverige

Recommendations for Africa:

- Model based on a sustainable blue economy
- Vertical and horizontal collaboration
- Develop knowledge platform
- Develop training and university programs; employment and internship prospects in the blue economy for the young

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THE OCEAN DECADE VIRTUAL SERIES | 4 Nov 2020 10:00-12:00 (Colombia Standard Time)

Co-designing the Ocean Science we need for the Western Tropical Atlantic

With the support of Sverige

Recommendations for the WTA:

- Involve other sectors beyond fisheries/blue economy
- Increase coordination and inventory of existing networks
- Role of women (agents of positive change)



Recommendations for the Southeast Pacific:

- Reduce inequalities to improve information generation
- Promote research centers
- Identify existing alliances & networks (CPPS)



Recommendations for the Westen Pacific:

- Establish a Western Pacific ECOPs Network
- Enhance research capacity & TMT via the WESTPAC regional network of Training and Research Centres
- Empower local/coastal communities



Recommendations for the Mediterranean:

- Planning & management tools (MSP & ICZM)
- Cooperation North/South & transboundary cooperation
- Value arts, underwater archeology and history
- In situ observations for essential ocean variables



THE OCEAN DECADE VIRTUAL SERIES | 29 Oct 2020 15.00-17.00 (CET)

Co-designing the Ocean Science we need for Polar regions

With the support of

THE OCEAN DECADE VIRTUAL SERIES | 10 December 2020 09:00 - 11:00 (Eastern Standard Time)

Co-designing the science we need for the North Atlantic

THE OCEAN DECADE VIRTUAL SERIES | 5 Nov 2020 16h30-18h (Madrid Time) 9h30-11h (Bogota Time)

Co-designing the Ocean Science we need for the South-East Pacific

With the support of

THE OCEAN DECADE VIRTUAL SERIES | 3 Nov 2020 14:00-16:00 (Nairobi time)

Co-designing the Ocean Science we need for Africa

With the support of

Final report
January 2021
→ Training course
1st Q of 2021

THE OCEAN DECADE VIRTUAL SERIES | 10 Nov 2020 13:00pm - 15.00pm (Bangkok time) 07.00am - 09.00am (Paris time)

Co-designing the Ocean Science we need for the Western Pacific and adjacent areas

THE OCEAN DECADE VIRTUAL SERIES | 4 Nov 2020 10:00-12:00 (Colombia Standard Time)

Co-designing the Ocean Science we need for the Western Tropical Atlantic

With the support of

Virtual session for the Eastern Tropical Pacific

THE OCEAN DECADE VIRTUAL SERIES | 11 Nov 2020 10.00am - 12.00am (CET)

Co-designing the Ocean Science we need for the Mediterranean

With the support of

Next Steps



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- Final report – January 2021
- Call for Decade Actions: [submit your proposal online](#) before 15 January 2021
- [Get involved](#) at national and regional levels



For more information please contact: oceandecade@unesco.org



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Panel discussion: Translating the Ocean Decade to regional and national action:

Moderated by Luis Pinheiro
Chairman, Portuguese Committee for IOC

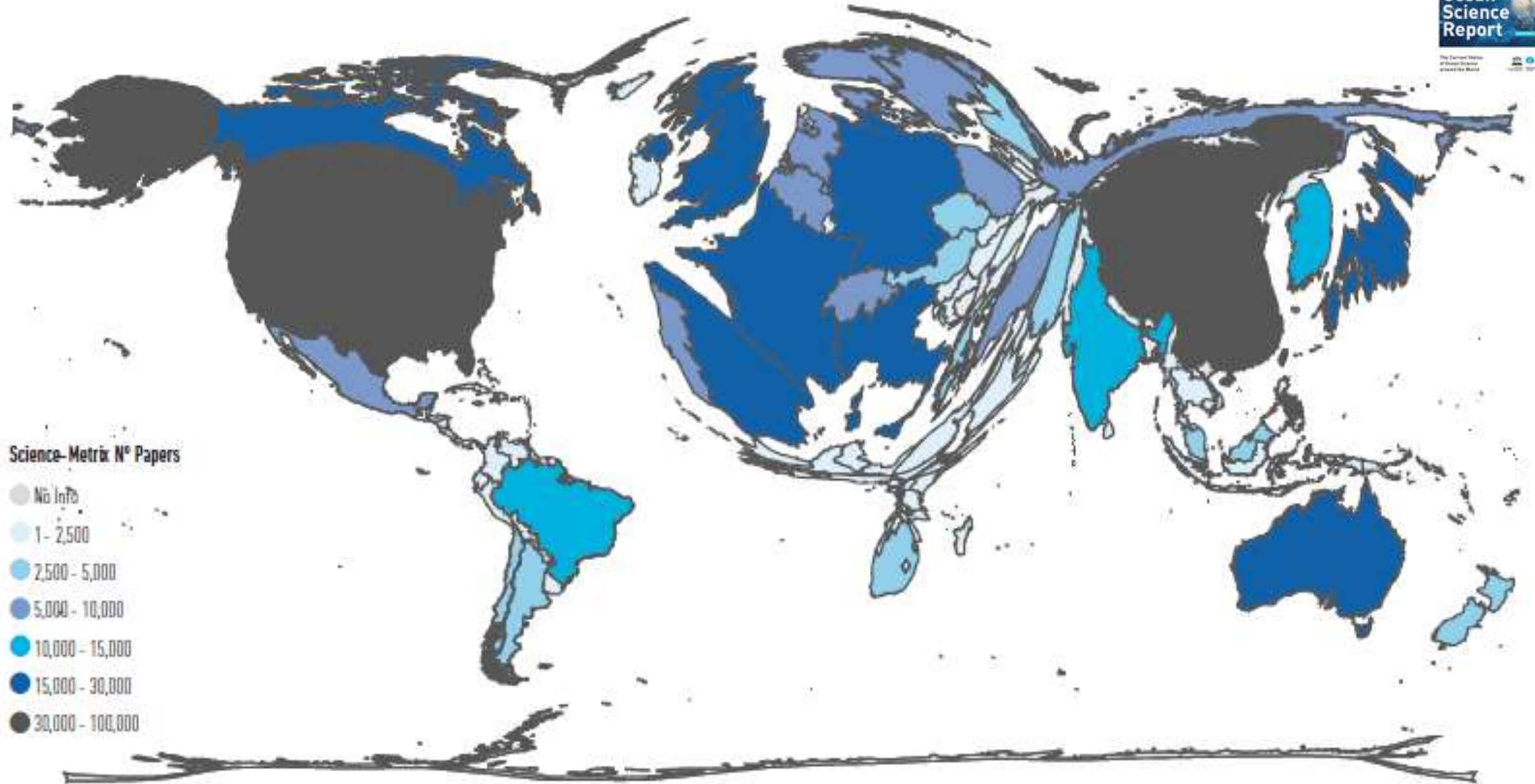


Panel discussion: Translating the Ocean Decade to regional and national action:

Cesar Toro

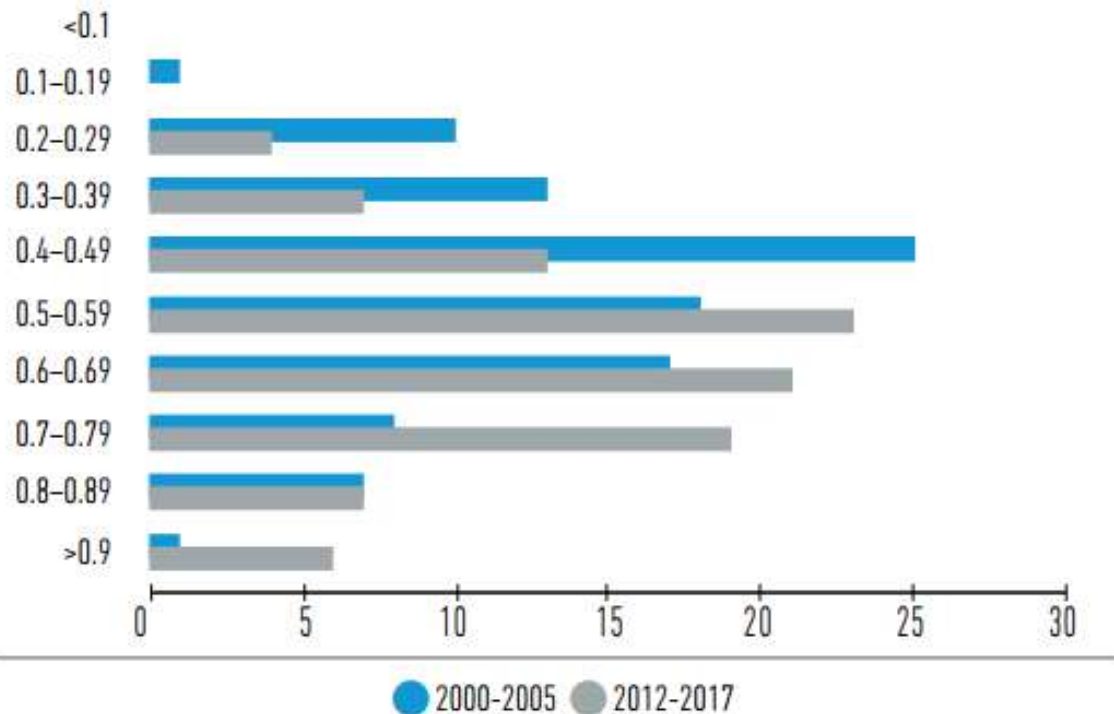
IOC of UNESCO Secretariat for
IOCARIBE, Co-Chair Western Tropical
Atlantic Taskforce

Uneven Ocean Science Capacity



Competitive ocean science is driven by international partnerships

In the period 2012–2017, 61% of the papers published by ocean scientists globally had at least one co-author from a foreign country, compared with approximately 56% from 2006 to 2011 and 52% from 2000 to 2005 (Figure ES.9). Increased collaboration among scientists from different countries is a sustained trend and should be seen as a very valuable and positive development.



Global Ocean Science Report 2020

Executive Summary

Charting Capacity for Ocean Sustainability



Ocean Decade Challenges



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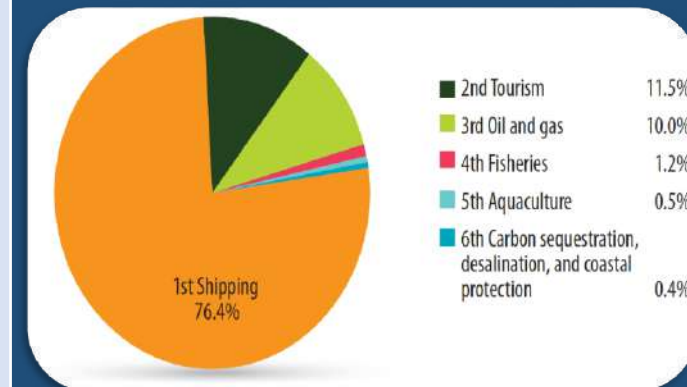
- 1) Pollution and Marine Debris
- 2) Ecosystem Protection, Restoration
- 3) Food Security, Sustainable Seafood
- 4) Economic development
- 5) Ocean-Climate Nexus
- 6) Multi-Hazard Warnings
- 7) Ocean Observing Systems
- 8) Digital Ocean Map and Data Portal
- 9) Capacity Development
- 10) Social & Behavioral Barriers to Change

**THE UN DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT 2021-2030
WESTERN TROPICAL ATLANTIC REGIONAL WORKSHOP
GRAND CHALLENGE AND ACTION**

REGIONAL INITIATIVES

	Issue	Grand Challenge	Gran Action
WG I	A clean ocean whereby sources of pollution are identified, quantified and reduced and pollutants removed from the ocean.	There are significant gaps in data and research regarding the types, sources, concentrations and channels of marine pollutants in the Western Tropical Atlantic.	Improve understanding, through a harmonized, region-wide data collection, analysis and research programme, of the flow and impacts of all pollutants in the Western Tropical Atlantic, transforming decision making, facilitating targeted pollution prevention measures, to sustain and catalyse more sustainable use of our coastal and marine resources.
WG II	A healthy and resilient ocean whereby marine ecosystems are mapped and protected, multiple impacts, including climate change, are measured and reduced, and provision of ocean ecosystem services is maintained.	Overcoming deficiencies and inequalities through training in data analysis techniques and significantly increasing access to data and information to understand combined effects of stressors in marine and coastal ecosystems and biodiversity at multiple scales, as well as the influence of connections (between ocean basins and continents) on the climate and ocean processes.	Build capacity to understand, map and protect of marine and coastal ecosystems and services at a regional scale through science informed strategies to manage marine stressors including human activities at multiple scales and the oceans role in a changing climate.

STAKEHOLDERS



The IOC of UNESCO Sub-Commission for the Caribbean and Adjacent Regions



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- The Intergovernmental Oceanographic Commission's Sub-Commission for the Caribbean and Adjacent Regions - IOCARIBE has the overall responsibility for formulation of policy, principles and strategy, and for planning and coordination of the UN Decade of Ocean Science for Sustainable Development (2021-2030) in the Western Tropical Atlantic region.
- IOCARIBE catalyse actions, projects and programmes



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



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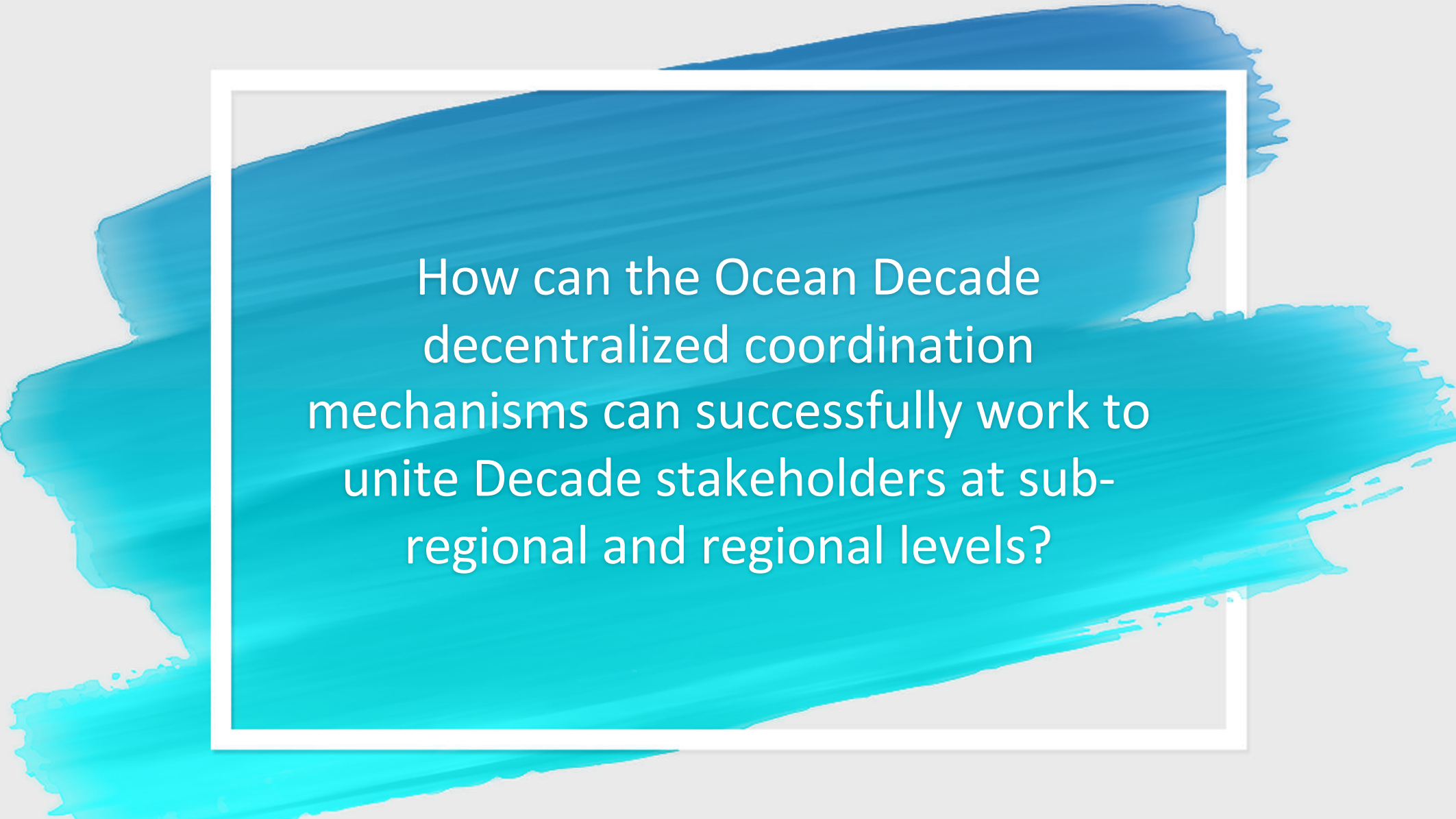
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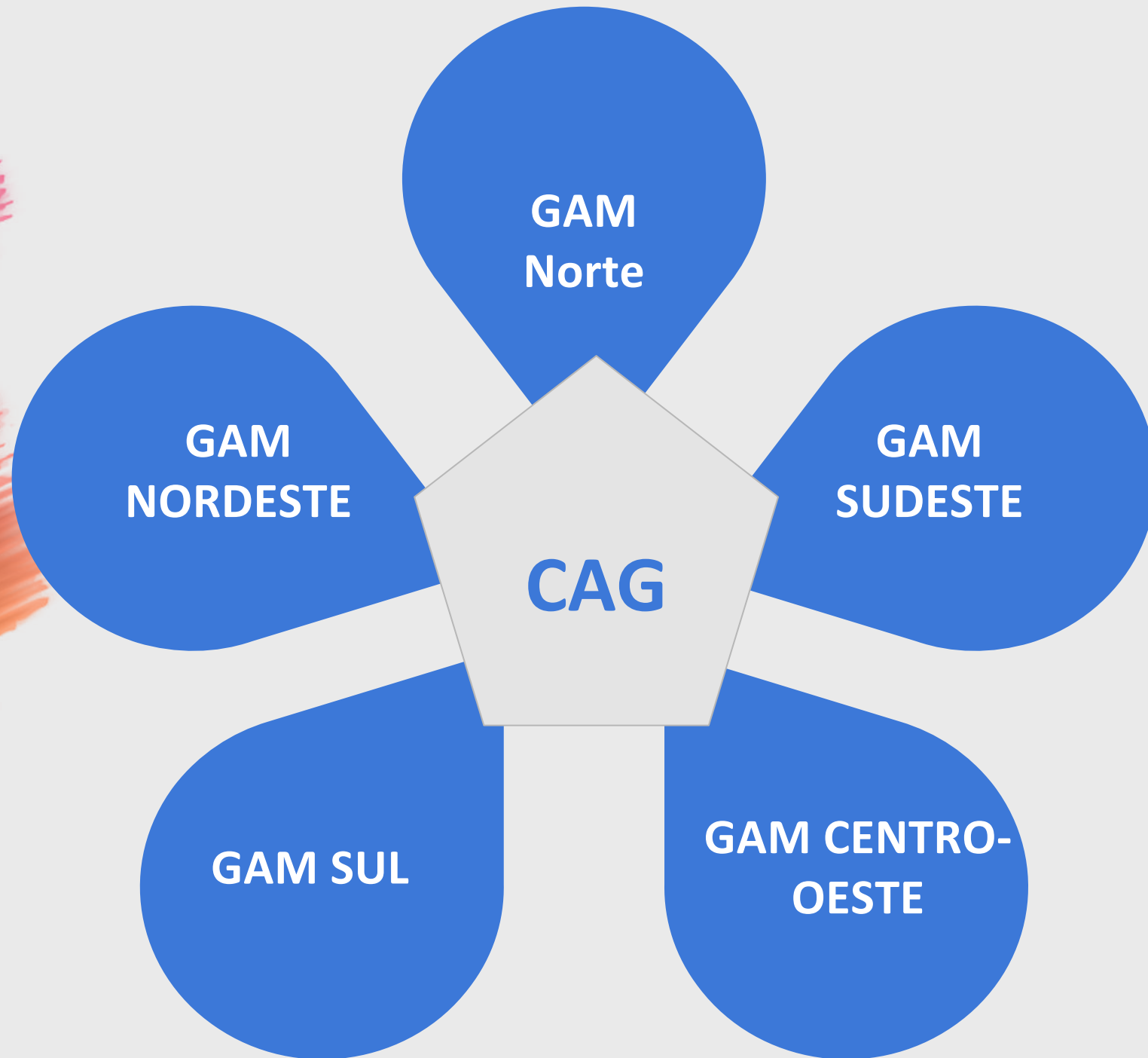
**Panel discussion: Translating the
Ocean Decade to regional and national
action:**

Karen Silverwood-Cope

Brazil National Committee for the UN
Decade of Ocean Science

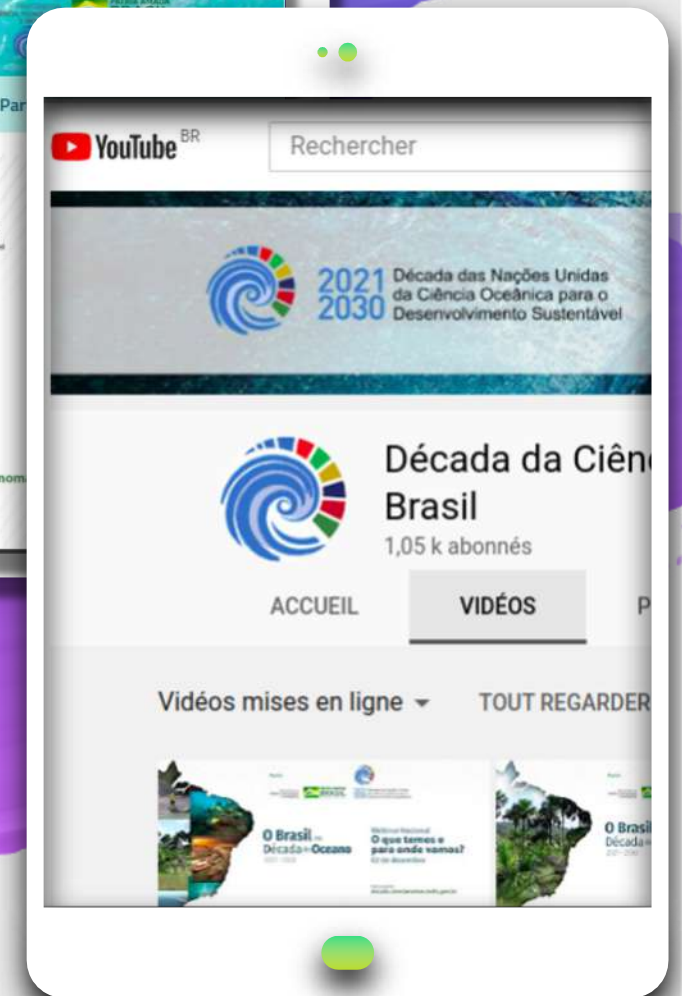
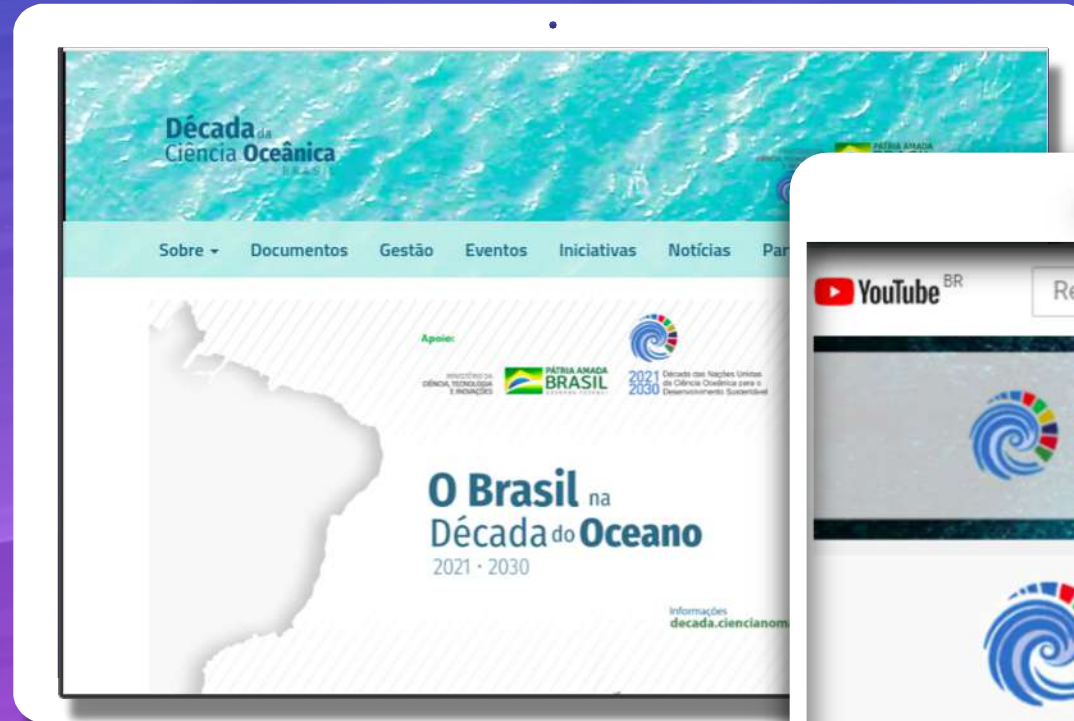


How can the Ocean Decade
decentralized coordination
mechanisms can successfully work to
unite Decade stakeholders at sub-
regional and regional levels?



Dedicated Website & YouTube Channel

- 40,000+ page views
- 11,000+ YouTube views



about **3,000 registrations**

That's a lot of interest

about **600 participants**

active participation

62% women

Total success!

300+

Technical
contributions





Thank you!

Karen Silverwood-Cope, head of unit
General Coordination for the Ocean, Antarctica and Geosciences
Department of Natural Sciences
Secretariat for Research & Scientific Capacity Building
Ministry of Science, Technology & Innovation - Brazil



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All from Bahia, Brazil



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Panel discussion: Translating the Ocean Decade to regional and national action:

Taylor Goelz

Knauss Marine Policy Fellow NOAA, Early
Career Ocean Professional Working
Group

Intergenerational diversity is necessary for a sustainable future



Intergenerational diversity is necessary for a sustainable future



Countries
Represented
in the
2020 Youth Summit
for the
UN Ocean Decade

PACIFIC
OCEAN

ATLANTIC
OCEAN

INDIAN
OCEAN



AFGHANISTAN
AMERICAN SAMOA
ARGENTINA
AUSTRALIA
BANGLADESH
BRAZIL
BELGIUM
CAMEROON
CANADA
SAIPAN
COSTA RICA
COLOMBIA
CZECH REPUBLIC
FIJI
FRANCE
FEDERATED STATES OF MICRONESIA
GERMANY
GUAM
GAMBIA

HONG KONG
INDIA
INDONESIA
IRAN
IRAQ
ITALY
JAMAICA
JAPAN
KENYA
MALAYSIA
MARSHALL ISLANDS
MEXICO
MYANMAR
NEW ZEALAND
NIGERIA
PAKISTAN
PALAU
PAPUA NEW GUINEA
PERU

PORTUGAL
PUERTO RICO
SERBIA
SINGAPORE
SOUTH AFRICA
SOUTH KOREA
ST. LUCIA
SPAIN
SWEDEN
TAIWAN
TANZANIA
THAILAND
THE NETHERLANDS
TUNISIA
TURKEY
UGANDA
UNITED KINGDOM
UNITED STATES
ST. VINCENT &
THE GRENADINES

HEIRS TO OUR OCEANS
IS ESTABLISHING A
YOUTH ADVISORY COUNCIL
FOR THE
US NATIONAL COMMITTEE
FOR THE
UNITED NATIONS
OCEAN DECADE
2021-2030



How to include intergenerational diversity in the Ocean Decade

- **Integrate.** Integrate ECOP and youth engagement into your organizations & institutions & networks;
- **Advocate.** Advocate for intergenerational diversity in your work spaces/panels/papers/etc.;
- **Capacity Development.** Fund ECOP & youth involvement, workforce development, job opportunities
- **Share.** Share your ideas & initiatives;
- **Connect.** Connect with others who are interested in diverse engagement;



ECOP



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



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Keep in Touch!



ECOP



contact@ecopdecade.org



@OceanDecadeECOP



Ecopdecade.org - Coming
January 2021!



taylor.goelz@noaa.gov



@tweetertaylor




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Questions and Answers with the Panel



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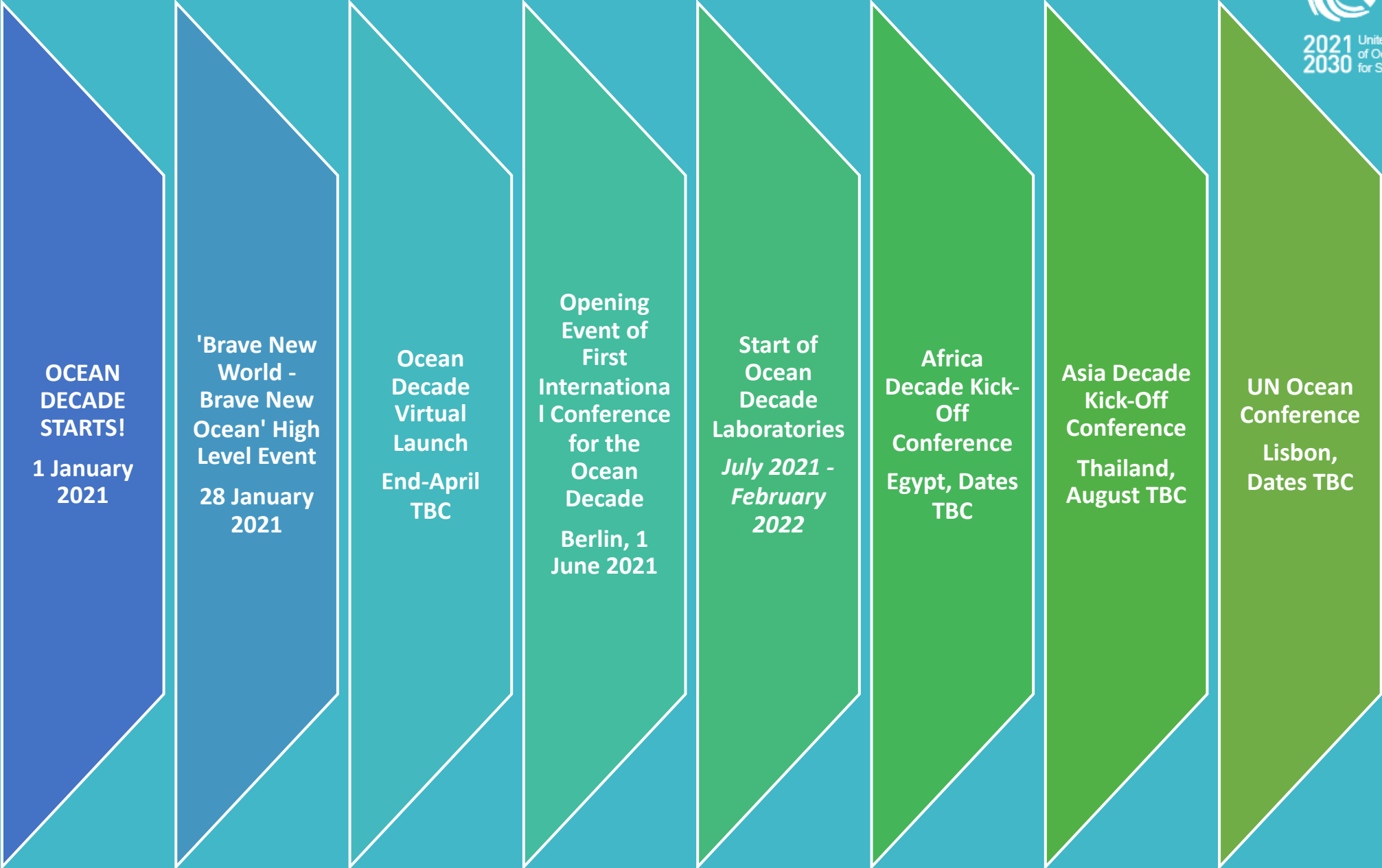
The Ocean Decade: Looking Towards 2021:

Alison Clausen
Programme Specialist, IOC

Major Milestones in 2021



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Launch of process to endorse Decade Activities!



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- Do you have an event, workshop, publication or conference planned for 2021 that will contribute to the Ocean Decade Challenges?
- As of today **you can request endorsement for your Decade Activity** via this link:
<https://oceandecade.com/resource/141/Request-endorsement-of-your-Ocean-Decade-Activity-here>
- You will need to provide basic information on your Decade Activity including how it contributes to the Ocean Decade Challenges and aligns with the endorsement criteria contained in the Implementation Plan
- Decisions on endorsement will be made in early 2021 and will allow you to be officially recognized as part of the Ocean Decade movement!

Reminder: Call for Decade Actions No. 01/2020

- First in a series of 'Call for Decade Actions' open for:
 1. Global or major regional programmes.
 2. Contributions including support to central or decentralised coordination functions (including collaborative centres and coordination offices).
- Actions that contribute to post-COVID-19 recovery welcome
- The Call is open until 15 January 2021 with decisions in Q1 of 2021 following facilitate dialogue between partners
- No geographic or thematic restrictions and no limit on who can apply
- Call will be followed by other Calls for programmes and projects in 2021
- The Call is not a funding call but the IOC may be able to help make connections to funders => potential Actions can be submitted without secured funding



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THANK YOU

