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Commission



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development



TROPICAL AMERICAS AND THE CARIBBEAN REGION

REGIÓN TROPICAL DE LAS AMÉRICAS Y EL CARIBE

RÉGION DE L'AMÉRIQUE TROPICALE ET DES CARAÏBES



COMISIÓN
COLOMBIANA
DEL OCÉANO

Setting the context – Regional Developments

Estableciendo el Contexto – Desarrollos Regionales

Elva Escobar

Universidad Nacional Autónoma de México

Member Regional Planning Group

Thursday, December 16th



MINISTRY OF
MARINE AFFAIRS
& THE BLUE ECONOMY

Coastal Zone



Management Unit
BARBADOS

One Planet, One Ocean / Un Planeta, Un Océano / Une planète, un océan

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@locaribeocean

climate change
marine pollution
marine ecosystems services
nutrient cycling
degradation of habitats
ocean acidification
loss of species
climate regulation
growing population
primary productivity
seafood

The Context

A cycle of diversity loss, ocean health reduction
The need to create conditions for sustainable development

El contexto

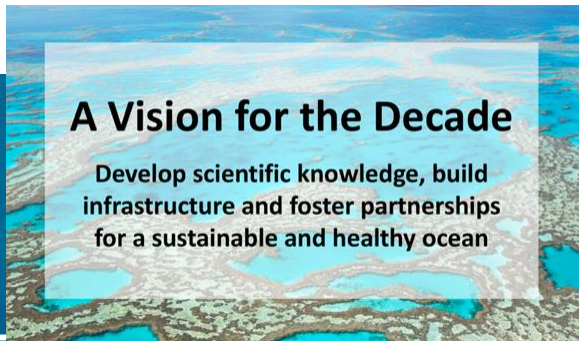
Un ciclo de pérdida de diversidad, reducción de la salud de los mares
La necesidad de crear condiciones para desarrollo sostenible



**INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION
(of UNESCO)**

**Fifty-first Session of the Executive Council
UNESCO, Paris, 3–6 July 2018**

Item 4.1 of the Revised Provisional Agenda



The Science We Need for the Ocean We Want

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



A DECADE TO UN DECENIO PARA

TRANSFORM knowledge systems in support of sustainable development

TRANSFORMAR los sistemas de conocimiento para apoyar el desarrollo sostenible

MEASURE cumulative impacts and offer effective solutions

MEDIR impactos acumulativos y ofrecer soluciones efectivas

REDUCE vulnerability to ocean and coastal risks

REDUCIR vulnerabilidad a los riesgos oceánicos y costeros

STRENGTHEN ocean observation and data systems

REFORZAR los sistemas de observación y de datos oceánicos

ACCELERATE marine technology transfer, training and education

ACELERAR la transferencia de tecnología, capacitación y educación marinas

DELIVER the best available knowledge and solve regional needs

ENTREGAR el mejor conocimiento disponible y resolver las necesidades regionales

Agenda 2030



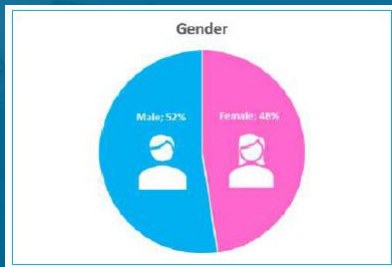
OVERVIEW OF OUTCOMES – WESTERN TROPICAL ATLANTIC

VISIÓN GENERAL DE LOS RESULTADOS – ATLÁNTICO TROPICAL OCCIDENTAL

FIRST REGIONAL MEETING

Virtual Meeting
28-29 April 2020

COMMUNITY	
Academia	138
Civil Society	17
Donors and foundations	2
Financial Institution	1
Industry / Business	29
Intergovernmental Organization	32
International Development Agencies	4
National Institution	149
Non-governmental organizations	60
Ocean science community	67
Policy Maker / Manager	9
Regional Institution	20
UN	19
Total	547



AGE RANGE	
Between 20 and 30 years old	122
Between 31 and 40 years old	149
Between 41 and 50 years old	119
Between 51 and 60 years old	93
More than 60 years old	64
Total	547

Launch of the Report on the State in Latin America and the Caribbean



GEOPHYSICS

Minimizing Caribbean Tsunami Risk

Christa von Hillebrandt-Andrade

Efforts to understand and respond to tsunamis

In the past 500 years, more than 75 tsunamis

Ocean and Coastal Research

Climate change and food security in Caribbean small island developing states: challenges and strategies

Hania Lincoln Lenderking, Stacy-ann Robinson & Gail Carlson



3 Ways to Scale Up Nature-Based Solutions in Latin America and the Caribbean

October 8, 2021 By Suzanne Cormont, Gregory Watson, Lizzie Mardars and Emmie Oliver



Exploration of the Puerto Rico Trench in the mid-twentieth century: Today's significance and relevance

Alan J. Jamieson^{a,*}, Heather A. Stewart^a, Paul-Henry Nargeolet^b

SUPPORTING ACTION IN SMALL ISLAND DEVELOPING STATES (SIDS) AND LAND-LOCKED DEVELOPING COUNTRIES (LLDCs) IN THE OCEAN DECADE

24 November 2021

30:50 – 31:30 CDT



SCIENCE DIPLOMACY AND SUSTAINABLE DEVELOPMENT: PERSPECTIVES FROM LATIN AMERICA

EDITED BY: Milena Serafim, Kleiny Bonilla, Efrain Bámaca-López and Antonette Castaneda

PUBLISHED IN: Frontiers in Research Metrics and Analytics



Ocean Science Diplomacy can Be a Game Changer to Promote the Access to Marine Technology in Latin America and the Caribbean

Frontiers in Marine Science



Ocean & Coastal Management 41 (2019) 471–483



www.elsevier.com/locate/oceaman

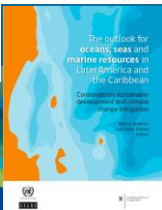
The Caribbean: main experiences and regularities in capacity building for the management of coastal areas

Guillermo García Montero*

Opportunities and gaps for enabling a Blue Economy in the Caribbean

Dr. Andrés Cisneros-Montemayor

Research Associate, Institute for the Oceans and Fisheries, UBC
 Deputy Director, Nippon Foundation Ocean Nexus Program



The outlook for oceans, seas and marine resources in Latin America and the Caribbean

Conservation, Sustainable Development and Climate Change Integration



WESTERN TROPICAL ATLANTIC

TROPICAL ATLANTIC CO-BIODIVERSITY WORKSHOP SERIES

WORKSHOP SERIES CONCLUSION

SUMMARY REPORT

WPA – TROPICAL ATLANTIC WORKSHOP SERIES Report 2021 – 168



SARGASSUM WHITE PAPER

Turning the crisis into an opportunity

2021

Environmental Development

Polycentric coastal and ocean management in the Caribbean Sea Large Marine Ecosystem: Summarizing community-based actions to implement regional frameworks

Frontiers in Marine Science

Challenges to Implementing Regional Ocean Governance in the Wider Caribbean Region

Luisa Paragón^a, Robyn Malcom^a, Brian Condon^a, Chris Cooper^a, Patricia Delgado^a, Miriam Hargrave^a, Barry Johnston^a, Keith Luskoff^a, Patrick McInnes^a, Marcel-Pierre Rueland^a, Vanessa Pridgen^a, and Oscar Tost^a

CARACTERIZACIÓN MULTIDISCIPLINARIA DE LA ZONA COSTERA DE SISAL, YUCATÁN



FAO LATIN AMERICAN AND CARIBBEAN FISHERIES SUBPROGRAMME

Research Report Series Paper No. 110

Science and Research Serving Effective Ocean Governance in the Wider Caribbean Region

FAO AND CARIBBEAN FISHERIES INSTITUTE



Sargassum Uses Guide:
 A resource for Caribbean researchers, entrepreneurs and policy makers

Introduction: Linking Ocean Governance in the Caribbean

Author(s): Nicole Parris

Source: *Social and Economic Studies*, March 2016, Vol. 65, No. 1, Special Issue: Linking Ocean Governance in the Caribbean (March 2016), pp. 1-6

Published by: Sir Arthur Lewis Institute of Social and Economic Studies, University of the West Indies

A New Treaty to Protect the High Seas: A Latin American Perspective

WTA CROSS CUTTING PRIORITIES

PRIORIDADES TRANSVERSALES EN LA REGION DEL GRAN CARIBE

- Capacity Development to the forefront
- Desarrollo de capacidades a la vanguardia
 - Implement a coordinated strategy to address regional CD challenges
 - Implementar estrategia coordinada para hacer frente a desafíos regionales en DC
 - Create an inventory of existing, sustained CD efforts
 - Crear un inventario de los esfuerzos existentes y sostenidos de DC
- Establish a robust communication mechanism
- Establecer mecanismo de comunicación sólido
 - Facilitate, foster connectivity, coordinated messaging and higher impact outcomes
 - Facilitar, fomentar conectividad, mensajes coordinados y resultados de mayor impacto
- ECOPs participation and engagement
- Participación y compromiso con ECOP
- Traditional and local knowledge- engage and listen to the ocean
- Involucrar conocimientos tradicionales y locales- escuchar el océano
- Ocean literacy- empowering people, bottom-up approach, national government
- Cultura oceánica- empoderamiento, enfoque de abajo hacia arriba, gobierno nacional
- Private sector- blue economy
- Sector privado- economía azul
 - Large ocean space- islands
 - Islas -grandes espacios oceánicos
 - Continue focus on coastal and marine tourism
 - Enfoque continuo en el turismo costero y marino
 - Bigger role of diversity, fisheries
 - Mayor papel a diversidad, pesca

WTA ACTION PLAN

PLAN DE ACCIÓN DEL GRAN CARIBE

- Cross Cutting Actions
- Acciones transversales

- Explicit Implementation actions to
- Acciones explícitas de implementación para
 - Mainstream diversity: youth, gender, geography, local/indigenous communities
 - Incorporar diversidad: generacional, género, geografía, comunidades locales/indígenas
 - Prioritize Capacity Development
 - Priorizar desarrollo de capacidades
 - Timely data access, sharing, use and re-use of data
 - Acceso, intercambio, uso y reutilización oportunos de datos

WTA ACTION PLAN

PLAN DE ACCIÓN EN LA REGIÓN DEL GRAN CARIBE

- Objectives
- Objetivos
 - Starting point April 2020, outcomes of challenges and priorities
 - Punto de partida abril de 2020 , resultados de desafíos y prioridades
 - Refined over next 6 months, WGs experience working together
 - Refinado siguientes 6 meses, experiencia de los GTs trabajando juntos
- Implementation Plan
- Plan de Implementación
 - Process to achieve the milestone events in the timeline
 - Proceso para lograr hitos en línea de tiempo
- Timeline
- Línea de tiempo
 - Embrace networking, socialization, new virtual events, partner building to facilitate stakeholder engagement for co-design of Decade activities
 - Adoptar la creación de redes, socialización, nuevos eventos virtuales, creación de socios, participación conjunta para el co diseño de actividades del Decenio
- WG Process
- Proceso del GT
 - Identify if/how WG membership and network might be cultivated to grow community of interested stakeholders
 - Identificar si/cómo se podría cultivar la membresía y la red del GT para hacer crecer la comunidad de partes interesadas

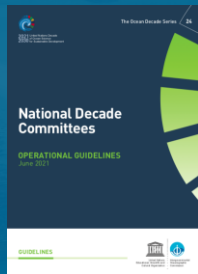
REGIONAL PLANNING GROUP OF THE UN DECENIO OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT WESTERN TROPICAL ATLANTIC WORKING GROUP

GRUPO DE TRABAJO DEL DECENIO DE LAS
NACIONES UNIDAS DE LAS CIENCIAS
OCEÁNICAS PARA EL DESARROLLO
SOSTENIBLE DEL ATLÁNTICO TROPICAL
OCCIDENTAL



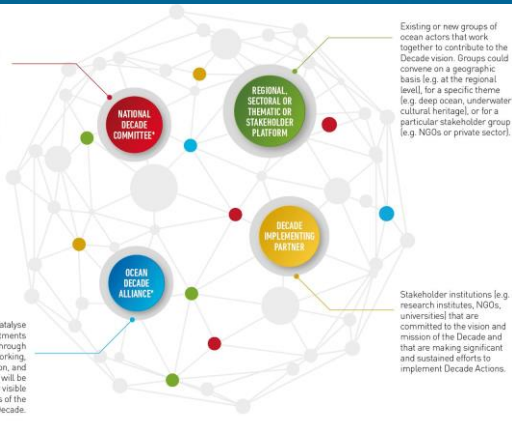
Count with a National Committee Contar con un Comité Nacional

- stimulate, coordinate and design activities
- estimular, coordinar y diseñar actividades
- existing or new coordination structures
- estructuras existentes o nuevas de coordinación
- co-design, co-development & co-delivery
- co-diseño, co-desarrollo y co-entrega
- access to benefits (data, products, advice, capacity development)
- acceso a beneficios (datos, productos, asesoría, desarrollo de capacidades)



Existing or new structures to coordinate actors at the national level. Inclusive multi-agency and multi-stakeholder platform for the co-design and co-delivery of Actions and facilitate access to benefits such as data, products, science-policy advice, or capacity development.

The Alliance will catalyse large-scale commitments towards the Decade through targeted networking, resource mobilization, and influence. Members will be part of a highly visible platform of supporters of the Decade.



Generate questions that will define actions

Generar preguntas que regirán las acciones

- What are barriers that hinder research results to be appropriated by society? By sectors?
• ¿Cuáles son las barreras que obstaculizan que los resultados de la investigación de los mares puedan ser apropiados por la sociedad, los sectores?
- What solutions that transform ocean scientific research will help overcome these barriers and how can they be implemented throughout the Ocean Decade?
• ¿Qué soluciones transformadoras de la investigación científica de los mares ayudarán a superar estas barreras y cómo pueden implementarse a lo largo de la Década del océano?

Colombia

- Sonia Carolina González Arévalo, Comisión Colombiana de Océano

- Email: internacional@cco.gov.co

- Website/Sitio web:

<http://www.cco.gov.co/decenio-de-las-ciencias-oceanicas-para-el-desarrollo-sostenible-2021-2030.html>

<https://www.youtube.com/watch?v=RPIey1B6C0>

www.cco.gov.co/decenio-de-las-ciencias-oceanicas-para-el-desarrollo-sostenible-2021-2030.html

COMISIÓN COLOMBIANA DEL OCEANO

NOSOTROS AREAS TEMÁTICAS PUBLICACIONES PRENSA

Consulte la Política Nacional del Océano y de los Espacios Costeros, Pnoec

Decenio de las Ciencias Oceánicas para el Desarrollo Sostenible 2021-2030

CONTENIDO

- COLOMBIA Y EL DECENIO DE LAS CIENCIAS OCEÁNICAS
- ACCIONES
- GESTIONES DE COLOMBIA FRENTE AL DECENIO

El 5 de diciembre de 2017, las Naciones Unidas proclamó el Decenio de las Ciencias Oceánicas para el Desarrollo Sostenible que se celebrará del 2021 al 2030. Este Decenio proporcionará un marco común para garantizar que las ciencias oceánicas puedan respaldar plenamente las acciones de diferentes actores para gestionar de manera sostenible los océanos y poder lograr la Agenda 2030 para el Desarrollo Sostenible (ODS). La Primera Evaluación Mundial de los Océanos publicada en 2016, encontró que el océano está seriamente degradado, con cambios y pérdidas en la función y beneficios de los sistemas marinos. Por esta razón, la visión del Decenio, y su principal objetivo a nivel mundial, es poder pasar del "Océano que tenemos" al "Océano que queremos" por medio de soluciones transfor-

Brasil/Brazil

- Karen Silverwood-Cope
Ministry of Science, Technology, Innovation and
Communication/ Ministerio de Ciencia , Tecnología, Inovación y
Comunicación
- Email: cgoa@mctic.gov.br, karen.cope@mctic.gov.br
- Website: <http://decada.ciencianomar.mctic.gov.br/>
- Actions/ Acciones
[National Implementation Plan of the Ocean Decade.](#)

decada.ciencianomar.mctic.gov.br

Década da Ciência Oceânica BRASIL

Sobre Documentos Gestão - Eventos Iniciativas Notícias Participe

Apoio:

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
& INOVAÇÕES

PÁTRIA AMADA
BRASIL

2021 2030
Década das Nações
da Ciência Oceânica
Desenvolvimento O

O Brasil na Década do Oceano

2021 · 2030

Informações
decada.ci

mctic.gov.br/pt-br/ eventos/



2021
2030 Decenio de las Naciones Unidas
de las Ciencias Oceánicas
para el Desarrollo Sostenible



Mexico/ México

National Committee of the Decade of Ocean Science for Sustainable Development

Comité Nacional del Decenio de las Ciencias Oceánicas para el Desarrollo Sostenible

Mtra. Guadalupe Falcón Nava

IOC Focal Point in Mexico/ Punto Focal de la COI en México



United States of America/Estados Unidos de Norteamérica

- Elizabeth Hillman
National Academies of Science, Engineering, Medicine (NASEM)

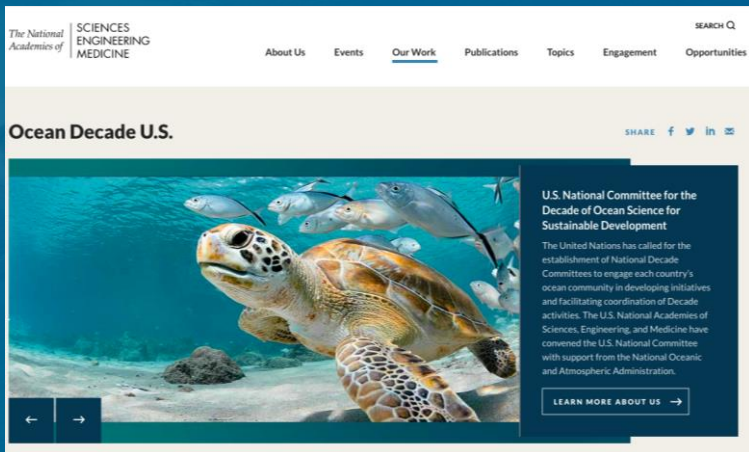
- Email: ehillman@nas.edu

- Website: <https://www.nationalacademies.org/our-work/us-national-committee-on-ocean-science-for-sustainable-development-2021-2030>

- Actions/Acciones:

Ocean shots, workshops, Leaders & participants in Decade endorsed programs

Disparos, talleres, Líderes y participantes de Programas del Decenio



The screenshot shows the top navigation bar of the National Academies of Sciences, Engineering, and Medicine website. The logo is on the left, and the navigation menu includes 'About Us', 'Events', 'Our Work' (which is underlined), 'Publications', 'Topics', 'Engagement', and 'Opportunities'. A search icon is on the right. Below the navigation is a banner for 'Ocean Decade U.S.' with a large image of a sea turtle swimming in clear blue water. To the right of the image is a dark blue text box with white text. The text box contains the title 'U.S. National Committee for the Decade of Ocean Science for Sustainable Development', a paragraph of introductory text, and a button that says 'LEARN MORE ABOUT US' with a right-pointing arrow. Social media share icons for Facebook, Twitter, LinkedIn, and Email are located above the text box.

The National Academies of SCIENCES ENGINEERING MEDICINE

SEARCH Q

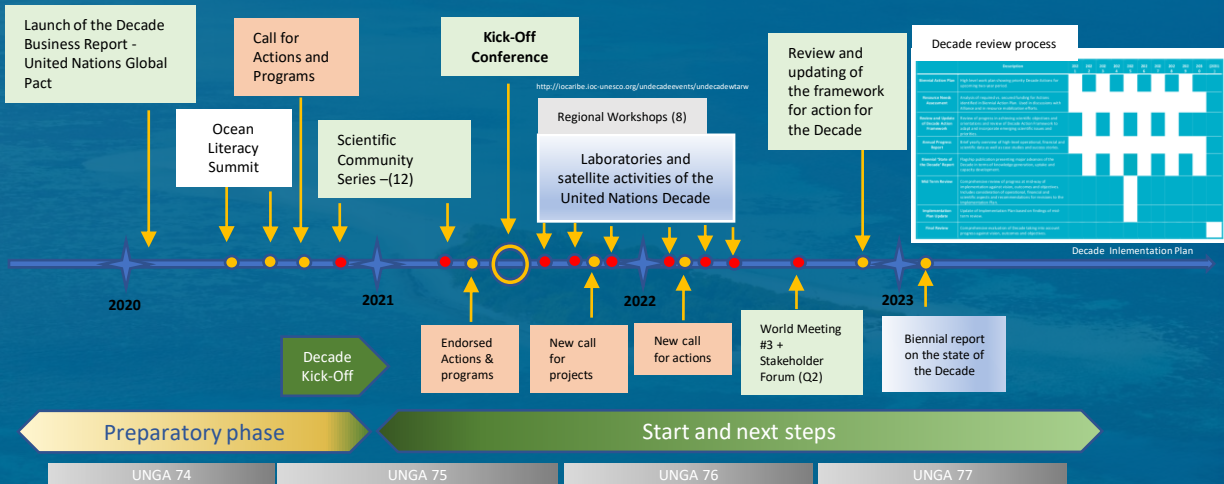
About Us Events Our Work Publications Topics Engagement Opportunities

Ocean Decade U.S. SHARE f t in e

U.S. National Committee for the Decade of Ocean Science for Sustainable Development

The United Nations has called for the establishment of National Decade Committees to engage each country's ocean community in developing initiatives and facilitating coordination of Decade activities. The U.S. National Academies of Sciences, Engineering, and Medicine have convened the U.S. National Committee with support from the National Oceanic and Atmospheric Administration.

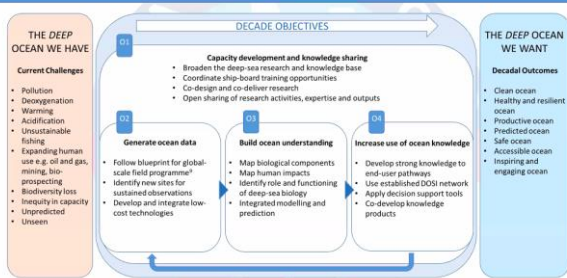
LEARN MORE ABOUT US →



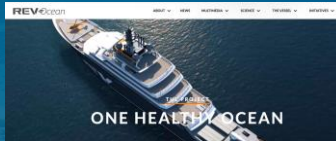
ENDORSED PROGRAMS & PROJECTS 2021

PROGRAMAS Y PROYECTOS APROBADOS EN 2021

A Blueprint for an Ocean Decade Programme to Study Deep-Sea Life



Howell, K.L., Hilário, A., Allcock, A.L., Bailey, D., Baker, M., Clark, M.R., et al. 2020. A decade to study deep-sea life. *Nature Ecology & Evolution*, pp.1-3.



MARINE LIFE 2030 ENDORSED AS A UN OCEAN DECADE



The Global Ocean Observing System



2021-2030
UNESCO Decade
of Ocean Science
for Sustainable Development



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Financing mechanisms

Mecanismos de financiamiento

<https://www.oceandecade.org/resource/166/Announcement-of-the-results-of-the-first-endorsed-Decade-Actions-following-Call-for-Decade-Actions-No-012020>

The Decade is not a funding mechanism

El Decenio no es un mecanismo de financiación

- Offers opportunities in recognized priorities
- Ofrece oportunidades en prioridades reconocidas
- Partners to benefit all
- Asociaciones que benefician todas las partes



Resources for Ocean Sciences

Recursos para la ciencia oceánica

1. Direct support for the Decade

Apoyo directo del Decenio

- Governments, institutions, philanthropic foundations and companies and industries
- Gobiernos, instituciones, fundaciones filantrópicas y empresas e industrias
- In-kind support (research vessels, data, access to infrastructure)
- Apoyo en especie (buques de investigación, datos, acceso a la infraestructura)
- Collective effort for actions and coordination expenses
- Esfuerzo colectivo para Acciones y gastos de coordinación

2. Via Designated Decade-Support Partnership

Vía Alianza del Decenio-Apoyo designado

3. Support via the Decade Alliance - Virtual Resource Set

Apoyo vía la Alianza del Decenio- Conjunto Virtual de Recursos

4. Financing / awarding of partner grants

Financiación / concesión de subvenciones de asociados

First Call/Primera Convocatoria

- More than 60 programs and contributions endorsed
- Se han respaldado más de 60 programas y contribuciones
- Traditional research requests
- Solicitudes tradicionales de investigación
- Binational collaborations (Europa 2021-2027 Decade, iAtlantos)
- Colaboraciones binacionales
- The Global Forum and the Oceans Decade Partnership
- El Foro Mundial y de la Alianza del Decenio de los Océanos

Second Call/Segunda Convocatoria (October /Octubre 2021)

UN Decade Laboratories and satellite activities

Laboratorios y actividades satélite del Decenio de Naciones Unidas

<https://www.oceandecade-conference.com/en/ocean-decade-laboratories.html>

3. Schedule of Ocean Decade Laboratories

7–8 July 2021

An Inspiring and Engaging Ocean

Call for Online Sessions
launched on
April 20 2021

15–16 September 2021

A Predicted Ocean

17–18 November 2021

A Clean Ocean

23–24 February 2022

A Productive Ocean

Call for Online Sessions
will be launched in
Autumn 2021

tba, March 2022

A Healthy and Resilient Ocean

tba, April 2022

A Safe Ocean

tba, May 2022

A Transparent and Accessible Ocean

The goals of each Laboratory are as follows:



Catalyse action for the Ocean Decade

assemble diverse actors across generations and geographies to catalyse co-design processes and initiate development of Decade Actions.



Showcase Ocean Decade Actions

present already endorsed Ocean Decade Actions, including programs, projects and contributions, to inspire new engagement and commitments.



Strengthen dialogue

create opportunities for exchange, collaboration and the catalysis of partnerships in the context of the Ocean Decade.



Communication and outreach

raise visibility and awareness of the Ocean Decade and attract new partners and stakeholders to engage the Ocean Decade.



www.oceandecade-conference.com



2021
2030

United Nations Decade
of Ocean Science
for Sustainable Development



Federal Ministry
of Education
and Research



German Federal
Ministry of Education
and Research



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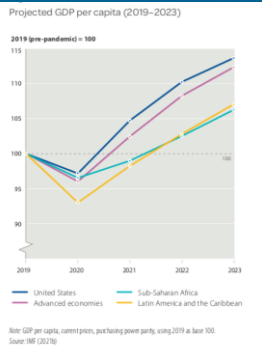


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MUCHAS GRACIAS
.....
THANK YOU
.....
MERCI BEAUCOUP



One Planet, One Ocean / Un Planeta, Un Océano / Une planète, un océan