



The UN Decade of Ocean Science for Sustainable Development 2021-2030

THE OCEAN DECADE VIRTUAL SERIES

Co-Designing the Ocean Science we need for the Eastern Tropical Pacific

28 January, 2021 10:00 am – 12:00 pm (Colombia Standard Time)

Summary report

This Virtual series is available at <https://www.youtube.com/watch?v=jsrsyYWYWIY>

Following the Virtual Event Agenda (Annex 1) Dr César Toro Head, UNESCO-IOC Regional Secretariat for IOCARIBE welcomed the audience to the Ocean Decade Virtual Series for the Eastern Tropical Pacific on behalf of the UN Decade for Ocean Science and gave the Introductory and Technical Briefing.

Dr. Elva Escobar¹ explained the objectives of the meeting; she informed the background leading to this series on Co-Design and its importance for the Ocean Decade leading to transformation in benefit of the ocean and society and identified recommendations to progress this initiative in the region including accelerate the recovery by COVID in the ETP region. Acknowledged the support and opportunity to meet and become part of the ocean science revolution.

Mr. Arnulfo Sánchez Chair of IOCARIBE Welcomed the audience and speakers to the Ocean Decade Virtual Series for the Eastern Tropical Pacific on behalf IOCARIBE and invited the audience to participate in the first poll question.

Mr. Francisco Arias, Member of the Executive Planning Group of the UN Decade explained the Transformative Nature of the UN Decade of Ocean Science for Sustainable Development 2021-2030 and Call for Actions. Informed of the major challenges ahead required to set goals to achieve the seven Decade Outcomes a Clean Ocean; a Healthy & Resilient Ocean; a Predicted Ocean; a Safe Ocean; a Sustainable Productive Ocean; a Transparent & Accessible Ocean and an Inspiring Ocean. He mentioned that a call for action had been published aiming to include a wider range of stakeholders and sectors and more calls were to come.

Ms Julie Rigaud, IOC UNESCO provided an overview and outcomes of previous meetings that set the scene for the current series of events on co-design, identifying the following priorities: 1) a coordinated strategy to address regional Co-Design challenges; 2) integration of traditional and local knowledge; 3) ocean literacy; and 4) blue economy. The necessary conditions were also identified, highlighting the importance of developing trust and defined co-design, co-production and co-delivery as a framework for Decade Actions in the Region to develop collaboratively strategies for the optimal

¹ Affiliations, short biographies and contact of the moderator, panellists and organizers are available in the full report

use of scientific research. Ms Rigaud explained the needed considerations to ensure successful outcomes (i.e. stakeholder participation, political, socio-economic, cultural and environmental settings).

Mr. James Ketchum and Ms. Natalya Gallo described two case studies on co-design in the Eastern Tropical Pacific. The former described the results for the conservation efforts of marine migratory pelagic species, the latter described the outcomes of the long term CALCOFI program. A series of recommendations are made, based on lessons learned, including the need to incorporate the diversity of actors in the science-policy interface, follow good governance principles and the importance of building local and national capacity. Reciprocal interaction will determine the success, requires reciprocal communication where direct engagement with stakeholders will help data use for decision making. The importance of ECOPs in these projects was highlighted and need to have more visualization

A dialogue session moderated by Dr Juan Carlos Herguera, CICESE between participants and four regional experts provided key insights into regional needs on strategic partnerships (Dr. Ingo Wehrtmann), capacity building and learning (Ms Yolanda Sánchez Alvarez), integration of local and indigenous knowledge (Dr. Mirna Marin) and private sector participation (Dr. Guillermo Soberón). Some of the key recommendations include that education and science communication should embrace all kinds of knowledge, different technologies and to further ocean literacy, but must ensure that information is accessible and understandable to all relevant audiences. The panelists highlighted the importance of ocean education, of traditional knowledge in decision making in particular safety and identifying the natural leaders in TK holders through teachers. Ocean science in co-design with fishermen and with sectors is required to gather long-term local data to inform decisions. Multi-stakeholder collaborations need to be iterative and be approached with an open mind to accept and understand different priorities and perspectives.

The virtual event concluded that relevance of long-term programs in codesign to deliver data and information for decision making. These should involve inclusiveness in terms of gender, age, culture and sectors.

The recommendations of this virtual event recognized that continuous co-design is required for success of long-term actions involving fishermen, governmental sectors, and the best science and technology available. Recognizing unique opportunities and the timing is relevant for funding specific processes in addition to motivation and commitment. These recommendations will be fundamental to bring forward transformative Co-Design in the region during the next decade.

The next steps were defined by the need of regional actions and a regional strategic plan that includes training sessions and actions in partnership with multi-stakeholder and user's participation to explore major investments for science ocean observing systems. With an appropriate use of research, reaching the decision making, establishing knowledge sharing and data platforms and connecting communities, private sector, current and new partners.

Dr César Toro Head, UNESCO-IOC Regional Secretariat for IOCARIBE delivered the closing remarks and invited the audience to join future actions of the UN Decade for Ocean Science. He acknowledged the support team, IOC UNESCO, the Mexican Institutions and the funding agencies for the interpretation.

The Questions and Answer sessions motivated the audience and participants who provided feedback and advice (Annex 2). Images from the event are integrated in Annex 3. During the virtual event the audience had the opportunity to actively participate in 5 polls and see the results of the responses (Annexes 4a and 4b).

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Co-Designing the Ocean Science we need for the Eastern Tropical Pacific

28 January, 2021 10:00 am – 12:00 pm (Colombia Standard Time)

This virtual session is convened by IOC-UNESCO's Sub-Commission for the Caribbean and Adjacent Regions (IOCARIBE)

with the support of Universidad Nacional Autónoma de México (UNAM) and Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), as part of the Ocean Decade Virtual Series.

It will explore opportunities and challenges and discuss best practices to deliver co-designed, solution-oriented research that will lead to transformative Decade Actions with long-lasting benefits to the ocean and society.

AGENDA - ANNEX I

| Time | ITEM |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:00 – 10:02 | Introduction - Technical Briefing Cesar Toro, Head, UNESCO-IOC Regional Secretariat for IOCARIBE |
| 10:02 – 10:05 | Opening and Objectives of the Meeting Moderator for the Meeting, Elva Escobar, UNAM, Mexico Member of the Executive Planning Group of the UN Decade |
| 10:05-10:08 | Welcome Arnulfo Sánchez TBC, Chair of IOCARIBE |
| 10:08–10:18 | Transformative Nature of the UN Decade of Ocean Science for Sustainable Development 2021-2030 and Call for Actions Francisco Arias, Member of the Executive Planning Group of the UN Decade |
| PART 1 | What is co-design and how to use co-design as a framework for Decade Actions in the Region? |
| 10:18 – 10:35 | Overview and Outcomes of the regional Meetings & Regional/Global Sessions on Co-Design and Introduction on Co-Design, Co-Production and Co-Delivery Julie Rigaud, IOC UNESCO |
| 10:35 – 10:43 | <u>Questions and Answers</u> <u>3 Polls</u> |
| PART 2 | Main challenges and opportunities for Co-Designed, Co-Produced and Co-Delivered Science – Regional Case Studies |

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| 10:43 – 10:53 | Ciencia para la conservación de especies migratorias en el Pacífico Oriental Tropical James Ketchum, UC Davis, Presidente Consejo Asesor Parque Nacional Revillagigedo |
| 10:53 – 11:03 | CalCOFI Erin Satterthwaite, NCEAS, UCSB, ECOP Member of the Executive Planning Group of the UN Decade |
| 11:03 – 11:10 | <u>Questions and Answers 4</u> |
| PART 3 | What are the capacity development, training, education and resource needs at regional level? Dialogue Session with Panelists and Participants Moderated by Carlos Herguera, CICESE |
| 11:10 – 11:50 | Strategic Partnerships/Best Practices: Ingo Wehrtmann, Universidad de Costa Rica ECOP and Capacity Building/Literacy: Yolanda Sánchez, RELATO Integration of Local or Indigenous Knowledge Mirna Marin, Universidad de Honduras Science-Enterprise Co-Design: Guillermo Soberón Chávez, Perlas del Mar de Cortez |
| 11:50-11:58 | Conclusions, Recommendations and Next Steps Elva Escobar, UNAM, Mexico Member of the Executive Planning Group of the UN Decade |
| 11:58-12:00 | Closing César Toro, IOCARIIBE |