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

**Tropical Americas Safe Ocean Co-Design Workshop**

**Breaking down the Silos for More Effective Multi Hazard Early Warning**

**Thursday, July 8 at 14h00 Colombia Time (15h00 AST, 19h00 UTC).**

**Hosted by IOC of UNESCO Sub commission for the Caribbean and Adjacent Regions- IOCARIBE**

Virtual meeting by ZOOM platform

Simultaneous interpretation will be provided: English, Spanish, and French

**Programme**

The Oceans are Crying and People are Dying” (Sharlene DaBreo, 2020). We need to act with urgency to protect life and livelihoods from Ocean related threats. It means moving beyond business as usual, in terms of both actions and outcomes, for a true revolution in ocean science in support of long-lasting impacts. To meet its ambition, the UN Ocean Decade is to harness and stimulate innovative ocean research, from co- design to co-delivery, to achieve a safe ocean, as well as to contribute to the achievement of the 2030 Agenda for Sustainable Development.

This virtual session will result in a short regional discussion paper that will include clear recommendations and guidance for the enhancement and development of MHEWS. This could include the identification of priority issues and recommendations for the development of regional actions as well as on how we can foster multi-stakeholder participation. These short regional discussion papers (in English, Spanish, French or Portuguese) will be prepared in close collaboration with the co-convener of the regional session.

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| Cartagena Time | ITEM |
| 14:00 – 14:20 | **Part 1.**  **Welcome/Overview** |
| 14:00 – 14:03 | **Technical Briefing**  **Cesar Toro,** Head of IOC of UNESCO Sub commission for the Caribbean and Adjacent Regions- IOCARIBE |
| 14:03 – 14:05 | **Poll #1 on Familiarity with the Ocean Decade** |
| 14:05 – 14:07 | **Welcome**  **Christa von Hillebrandt-Andrade** Manager, U.S. NWS Caribbean Tsunami Warning Program. Member Interim UN Decade Advisory Board |
| 14:07 – 14:10 | **Objectives of the Meeting**  Moderator: **Ada Monzón**. Meteorologist, Broadcaster, CEO Ecoexploratorio Museum |
| 14:10 – 14:20 | **Overview of Ocean Decade**  **Elva Escobar** Professor, University of Mexico, Member UN Decade Advisory Board |
| 14:20 - 14:35 | **Part 2 -Key Note** |
| 14:20 – 14:32 | **Integrated Multi Hazard Early Warning Systems and Services**  **Raul Salazar** UNDRR Regional Office Director for the Americas and the Caribbean |
| 14:32 – 14:35 | **Poll #2 and Q/A** |
| 14:35 – 15:10 | **Part 3**  **Trans Sector Dialogue on Integrated MHEWS**  **With Breakout sessions**  Moderator: **Ada Monzón**. |
| 14:35- 14:40 | **Introduction to the Breakout groups.** |
| 14:40 – 15:00 | **Breakout Group 1: TRADITIONAL/INDIGENOUS KNOWLEDGE**  Leader: **Lorenzo Sanford.** Kalinago Chief, Dominica  Rapporteur: **Farah Nibbs.** University of Delaware. Research assistant  **Breakout Group 2: LOCAL AUTHORITIES AND CIVIL SOCIETIES ORGANIZATIONS**  Leader: **Luis Landazabal** Port Captain, Isla San Andrés/Providencia, Colombia  Rapporteur: **Milton Puentes Galindo.** Adviser, Colombia.  **Breakout Group 3: NATIONAL ORGANIZATIONS/AGENCIES AND INSTITUTIONS**  Leader: **Michelle Forbes**.Ministry of National Security, Director. Saint Vincent & Grenadines.  Rapporteur: **Azra Mallett**. Ministry of Agriculture and Fisheries, Snr. Biochemical Analyst, Jamaica  **Breakout Group 4: REGIONAL ORGANIZATIONS/AGENCIES AND INSTITUTIONS**  Leader: **Andria Grosvenor** CDEMA. Deputy Executive Director (Ag).  Rapporteur: **Alison Brome.** UNESCO/IOC Caribbean Tsunami Information Center Programme Officer  *Question to be considered in the breakout groups:*  ***What transformative solutions*** *does your stakeholder group require to help overcome the barriers and enhance Multi Hazard Early Warning and how could they be implemented throughout the Ocean Decade (2021-2030)? Consider risk knowledge, monitoring and warning, warning dissemination and communication, response capability, resources and/or partnerships.* |
| 15:00-15:15 | **Report Back and discussion**  The group leaders will report back to plenary(3 minutes per working group)  Moderator**: Pablo Mendez**. Professor, Medical School, UPR, Puerto Rico. |

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| 15:15 – 15:55 | **Part 4**  **How Science is Addressing Safe Ocean, links between science and decision makers/disaster risk reduction community**  Moderator**: Pablo Mendez**. Professor, Medical School, UPR, Puerto Rico. |
| 15:15 – 15:20 | **MHEWS Challenges and Opportunities from the La Soufriere Volcano, Saint Vincent and Grenadines Volcanic Eruption.**  **Richard Robertson**. University of the West Indies Seismic Research Center |
| 15:20-15:45  15:20 – 15:21 | **Lightning Talks**  **Opportunities and gaps for integration of different ocean hazards into a MHEWS framework**  *For each action, the presenters will be asked (3 minutes each) to address:*  *What* ***transformative ocean science solutions and actions*** *have been proposed to reduce the risk from the hazard and advance Integrated Multi Hazard Early Warning for a Safe Ocean by 2030?*  **Moderator to introduce the lightning talks in a package and to present a slide with the infographics on the selected hazards as a result of the survey** |
| 15:21 – 15:24 | **Sea Level Rise (Climate Change)**  **Patricia Chardon**. Caribbean Integrated Coastal and Ocean Observing System (CARICOOS), Puerto Rico, ECOPS. |
| 15:24 – 15:27 | **Sargassum Influx**  **Emily Smail**. Executive Director & Head of US office, GEO Blue Planet Secretariat. |
| 15:27 – 15:30 | **Tsunami**  **Michael Angove**. Lead, US NOAA Tsunami Program and UN Decade Global Tsunami Programme |
| 15:30 – 15:33 | **COVID 19**  **Tshewang Dorji.** Organización Panamericana de la Salud, PAHO, Colombia. |
| 15:33 – 15:36 | **Hurricanes**  **José María Rubiera Torres.** Vicepresident WMO Hurricane Committee. CUBA |
| 15:36-15:39 | **Waste** **Water**  **Jose Galizia Tundisi**. Universidade do Norte do Brazil. Professor |
| 15:39-15:42 | **Oil Spills**  **Claudia Alves de Magalhães**. Brazil - Ministry of Science , Technology and Innovation - MCTI |
| 15:42 – 15:55 | **Discussion/Questions** |
| 15:55 – 16:00 | **Part 5.**  **Showcase of a Decade Action**  **Coast Predict – Marine Service Ocean**  **Giovanni Coppini.** Director Ocean Predictions and Applications. CMCC- Centro Euro Mediterraneo sul Cambiamenti Climatici. Italy |

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| 16:00 – 16:10 | **Part 6.**  **Summary and Call to Action** |
| 16:00 – 16:02 | **Poll #3** |
| 16:02 – 16:07 | **Summary and Call for Action**  **Farah Nibbs. PhD Candidate, University of Delaware, Dominica, ECOPS** |
| 16:07 – 16:08 | **Closing**  Moderator**: Pablo Mendez**. Professor, Medical School, UPR, Puerto Rico. |
| 16:08 – 16:09 | **SOWG-Next Steps**  **Christa von Hillebrandt-Andrade –**  Manager, U.S. NWS Caribbean Tsunami Warning Program. Member Interim Decade Advisory Board |
| 16:09 – 16:10 | **WTA WG Webinar Series Update**  **Cesar Toro,**  Head of IOC of UNESCO Sub commission for the Caribbean and Adjacent Regions- IOCARIBE |