

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
Roots of Hope - Mangroves as NbS for Climate & Human Well-Being	WWF and IUCN		Sunday, 6 November 6:30 – 8:30 PM	WWF Pavilion
Green Shipping Challenge Leader Level		Launch Event	Monday, 7 November 4:00 – 5:30 PM	Meeting Room 23
Nature Zone Opening Reception	Bianca Shead (TNC) bianca.shead@tnc.org	TNC and Bloomberg will jointly host the opening reception of the Nature Pavilion	Monday, 7 November 6:30 – 8:30 PM	Nature Pavilion
First Movers Coalition: A year in review			Tuesday, 8 November 8:45 - 10:00 AM	Climate Innovation Zone
Ocean Futures Lab: <i>Thinking outside the shell: Towards the sustainable blue future we need</i>	Climate Champions and Ocean & Climate Platform (OCP)	Futures Lab aims at exploring bold, imaginative ideas to get us to a future aligned with MPGCA 1.5 pathways.	Tuesday, 8 November 8:30 – 10:00 AM	Nature Pavilion
Global Leadership on Blue Carbon: Keys to Success	Steph Kimball (CI) jhamilton@conservation.org ; mfry@conservation.org	A joint event with the Blue Carbon Initiative (CI, IUCN and IOC-UNESCO) and the International Partnership for Blue Carbon highlighting exemplary blue carbon initiatives globally and best practices that countries interested in engaging in blue carbon projects can follow.	Tuesday, 8 November 11:00 AM – 12:00 PM	Nature Pavilion
Adaptation Solutions #ForCoral Nations	UN Secretary General's Special Envoy for the Ocean, GFCR, WWF, CCRI and ICRI		Tuesday, 8 November 11:15 AM-12:45 PM	WWF Panda Hub, Blue Zone Livestream Link: youtube.com/wwfclimate

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				RSVP Link: https://forms.gle/SCxKLQRUeRXJrS4T9
Innovative, Sustainable Finance	Bianca Shead (TNC) bianca.shead@tnc.org	Showcasing solutions such as Enduring Earth and PFPS, Blue Bonds for ocean protection; and demonstrating the meaningful opportunities for other countries to create momentum for using innovative finance tools to support country and regional goals.	Tuesday, 8 November 1:00 – 2:00 PM	Nature Pavilion
High-quality marine protected area networks: Opportunities and challenges to build resilience to global climate change impacts			Tuesday, 8 November 1:00 – 2:30 PM	Chile Pavilion
Ocean Knowledge for Climate Resilience		Healthy coastal and marine ecosystems have a vital role to play in climate mitigation and adaptation, particularly in vulnerable regions across Africa and SIDS. When used in conjunction with other resilience solutions, sustainable restoration and management of marine and ocean ecosystems will allow them to contribute to resilience objectives, and also generate significant social, ecological and economic co-benefits. This event will look at the factors hindering the ability of ecosystems to fully play their role in climate adaptation and mitigation. It will explore the role of multi-partner initiatives and frameworks to address these gaps at different scales.	Tuesday, 8 November 2:30-3:30 PM	Bellona Pavilion, Blue Zone

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Leaders in Action #ForCoral	GFCR - Coral Vitae	With an understanding of the dual climate and biodiversity crises, organizations and leaders at the forefront of reef action will convene during the Leaders in Action #ForCoral event at the UN Climate Change Conference 2022 (UNFCCC COP 27) to present concrete pathways for solutions and launch efforts to scale ecological and community-based resilience. Heads of State will be present	Tuesday, 8 November 2:30 – 3:30 PM	Nature Pavilion
Connectivity and collaboration as tools for ocean-climate action in the Eastern Tropical Pacific	Courtney Durham (Pew) cdurham@pewtrusts.org	The dual biodiversity and climate crises are intrinsically linked, with resilient marine ecosystems central to joint solutions. This event will explore the connectivity of marine protections and the effects of a changing climate while providing an opportunity for ETP countries to reflect on regional progress, challenges, and lessons learned over the past year of collaborative action through enhanced political will.	Tuesday, 8 November 6:00 – 8:00 PM	Nature Pavilion
ORRAA – Deutsche Bank Evening Reception	Jack Stuart (ORRAA) jack.stuart@oceanriskalliance.org	ORRAA is hosting an event with Deutsche Bank, ORRAA’s global lead banking partner, on the evening of 8 th November to transition from the World Leaders Summit into the Finance and Investment theme day on 9th November. The reception will bring together high-level private sector and government stakeholders to make announcements and showcase action on driving investment into the sustainable blue economy and into coastal and ocean resilience solutions. The reception will highlight the importance of multi-stakeholder and cross-sector collaboration in developing and mobilising innovative solutions.	Tuesday, 8 November 7:00 – 8:30 PM	Resilience Hub
Integrating Ocean Policy and Ocean	Ocean Policy Research Institute (OPRI)	This side event will showcase the research and practices that OPRI and its national and	11/8/2022 09:00AM	Ocean Pavilion, Blue Zone

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Science to Accelerate Ocean-Based Climate Change Mitigation and Adaptation		international partner institutions are conducting concerning ocean-based climate change mitigation and adaptation actions. Based on this, we will discuss areas for collaboration with other ocean research institutions in the valuable platform of the Ocean Pavilion and identify priority research and actions.		
Averting Climate Disaster: How Ocean Science and Tech Can Help Close the Global Emissions Gap	Woods Hole Oceanographic Institution (WHOI)	The ocean is changing faster now than at any time in human history. To manage this change and put society on a path towards a sustainable climate future, we need to open a new era of large-scale ocean measurement and monitoring aimed at enabling climate action. Woods Hole Oceanographic Institution President and Director Peter de Menocal will present a sweeping vision for an international effort to understand and unlock the full potential of our planet’s life-support system.	11/8/2022 10:30AM	Ocean Pavilion, Blue Zone
The Ocean Wears Many Hats: Governance and Impacts of Offshore Oil and Gas Production in the U.S.	Scripps Institution of Oceanography, UC San Diego	This talk will daylight US and global energy use, oil and gas consumption, and how much of that energy comes from the ocean. We will explore how we govern this use in the US, the consequences of offshore oil and gas production, and what happens when things go wrong. We’ll look at how oil companies continue to win leases offshore and be profitable, even under progressive administrations. Attendees will gain an understanding of what the future holds for offshore energy production in the US.	11/8/2022 11:30AM	Ocean Pavilion, Blue Zone
Executive Programs of the Ocean Decade African Road map	National Institute of Oceanography and Fisheries, Egypt (NIOF)	This event will be the flagship event of the Ocean Decade at COP27 and will facilitate discussions, foster ideas, catalyze partnerships, and stimulate commitment to embark on the process of co-design	11/8/2022 12:00PM	Ocean Pavilion, Blue Zone

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		and co-development of Decade programs and projects. The Ocean Decade Africa Roadmap provides a coordinated framework for ocean science planning and uptake, and a foundation to monitor the achievement of Decade priorities and outcomes in the region.		
Corals and climate; the importance of citizen science in their management and restoration.	Commonwealth Blue Charter/ASU	This event will showcase who citizen science is assisting in the ground truthing of data in platforms such as the Allen Coral Atlas, assist governments develop robust management and restoration systems and the innovative solutions communities have implemented to assist in the sharing of knowledge and restoration of their coral reefs. This event will demonstrate impacts of citizen science through a range of speakers from government, Allen Coral Atlas, Indigenous science programs and communities	11/8/2022 01:30PM	Ocean Pavilion, Blue Zone
The ocean, society, and the drive towards net zero – challenges, opportunities and cross-sectorial responses including business, science, finance, and transport.	Plymouth Marine Laboratory (PML)	The ocean is at the intersection of all the major challenges facing humanity – climate change, nature & biodiversity loss, energy & food security, governance & equity and more. The event will showcase challenges on & actions by different ocean sectors to help limit warming to 1.5 °C & achieve Net Zero whilst enhancing NDCs & improving nature & sustainable development. It will discuss how trans-sectoral collaboration can improve understanding of the complexity & feedbacks associated with actions.	11/8/2022 03:00PM	Ocean Pavilion, Blue Zone
Addressing the energy transition: Seabed mining - a risky	Minderoo Foundation	The shift in energy sources and transition to zero-emission targets has led to increasing demand for the metals needed to build batteries and increasing interest by investors, mining companies and some	11/8/2022 04:30PM	Ocean Pavilion, Blue Zone

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proposition for climate, people and the planet		coastal states in seabed mining. The imminent commencement of seabed mining raises important questions about how we can accelerate a paradigm shift to low-carbon infrastructure to avert the worst impacts of climate change – while minimizing environmental harm along the way.		
Advancing R&D to secure a future for coral reefs in a warmer ocean	G20 Coral Research & Development Accelerator Platform (CORDAP)	Corals support the livelihoods of one billion people, but are under serious threat. It is time to raise the ambition to conserve and restore corals and reefs using inspiring science-based solutions. Conserving all corals, not leaving any behind, and even aiming at recovering some of the loss may seem impossible, but this is only the case if we accept the status quo. This event will promote a dialogue on the need to develop next-generation solutions to restore and conserve the world’s corals.	11/8/2022 06:00PM	Ocean Pavilion, Blue Zone
Investing in African Coastal and Ocean Resilience – An ORRAA Solution Session	Jack Stuart (ORRAA) jack.stuart@oceanriskalliance.org	To build resilience, governments, civil society, and the private sector must work together to deliver innovative financial products that drive investment into natural capital and build thriving coastal communities. Scaling successful approaches across the continent is key to delivering an inclusive, equitable, and sustainable blue economy. This workshop will connect partners to discuss best practice and develop partnerships to match ambition with the financial resources that deliver climate and biodiversity positive outcomes for Africa’s coastal communities. Session objectives: 1. Bring together Africa’s governments, private sector, multilateral organisations, and civil society	Wednesday, 9 November 9:00 – 10:30 AM	Resilience Hub

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		<p>to discuss best practice and develop partnerships that deliver increased investment into coastal resilience.</p> <p>2. Showcase examples of innovative ocean finance solutions that are positively impacting coastal communities, while mitigating ocean and climate risk.</p> <p>3. Announcements from key stakeholders to increase investment into Africa’s coastal and ocean natural capital/new ORRAA members.</p>		
Seagrass – the new frontier in blue carbon credits?	Fauna & Flora International in collaboration with Akdeniz Koruma Dernegi, Blue Ventures, Project Seagrass	The event consists of an expert panel who are working with seagrass systems in Turkey and elsewhere. Short talks by each panel member on their specialist topics would be followed by a broader discussion of the likely next steps and best practice for this area of work.	Wednesday, 9 November , 11:00 AM – 12:30 PM	<u>COP27 Virtual Ocean Pavilion</u>
Greening Sovereign Debt	Bianca Shead (TNC) bianca.shead@tnc.org	Combining debt relief with climate and nature outcomes can offer an elegant solution to multiple systemic crises. But to have a systemic effect, the approach must be replicable and scalable. This session will explore how restructuring sovereign debt —adapted to different country circumstances as blue or green finance mechanisms—could offer a workable and widely applicable blueprint to help countries reprofile or even retire their commercial debt burdens while simultaneously accelerating their transitions to carbon-neutral, nature-positive economies.	Wednesday, 9 November 1:00 – 2:00 PM	Nature Pavilion
Youth as Key Leaders in Transforming	Ms. Karen Hallows (Peace Boat Disaster Relief Volunteer	An intergenerational dialogue showcasing youth-led capacity-building and education initiatives to facilitate the participation of global youth,	Wednesday, 9 November 1:15 – 2:45 PM	Blue Zone Room: Hatshepsut (300)

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Climate Promises into Inclusive Action	<p>Center) Email: karen@peaceboat.gr.jp Phone: +44 7804 761389</p> <p>Ms. Hailey Campbell (Care About Climate, Inc) Email: hailey@careaboutclimate.org Phone: +1 210 2747771</p> <p>Ms. Sophie Daud (Future Leaders Network) Email: sophie.daud@futureleaders.network Phone: +44 7788 990041</p>	<p>particularly from Africa and SIDS, in climate decision-making spaces, in ensuring youth and gender inclusive NDCs, and as climate negotiators</p> <p>Speakers: Youth leaders from MAPA (in particular Africa and SIDS) including Peace Boat Ocean and Climate Youth Ambassadors, Youth Negotiators from Future Leaders Network and Care About Climate Senior Leaders from partners organisations Government Representatives from SIDS and African nations</p>		
Islands of the Future: Identifying Risks and Forging Ambitions for Climate Resilience	<p>Ms. June Hughes (Saint Kitts and Nevis) Email: june.hughes@gov.kn Phone: +1 869 4668535</p> <p>Ms. Chen-Yu Yeh (Foundation of Taiwan Industry Service) Email:</p>	<p>This side event will explore how SIDS can build resilient coastal cities by identifying environmental, marine, and climate change risks. Event will discuss how a circular economy can contribute to ecological preservation and economic development of vulnerable coastal cities</p> <p>Speakers: 1. Caribbean Community Climate Change Center 2. St. Kitts and Nevis Government</p>	Wednesday, 9 November 1:15 – 2:45 PM	Blue Zone Room: Thutmose (150)

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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	jeanyeh@ftis.org.tw Phone: +886 2 27844188	3. Taiwan ICDF 4. Foundation of Taiwan Industry Services		
Harnessing Finance for Addressing Climate-Ocean Change	International Alliance to Combat Ocean Acidification (OA Alliance) in collaboration with Global Fund for Coral Reefs Jessie Turner jturner@cascadiapolicy.com	Hear from national governments, Global Fund for Coral Reef and OA practitioners on the innovative interdisciplinary projects that will help us leverage climate finance for more holistic climate-ocean adaptation.	Wednesday, 9 November 2:00-3:00 PM	<u>COP27 Virtual Ocean Pavilion</u>
Intertwining Fates: How the Arctic, Amazon and Africa are connected and shape our climate future	Woodwell Climate	Arctic warming is accelerating climate change with impacts already felt from the Arctic to Africa. And planet cooling tropical forests face multiple threats. Hear eminent climate scientists and female youth leaders bear witness to impacts and explore the choices we face to secure our climate future.	Wednesday, 9 November 3:00-4:30 PM	Hatsheput Room, Blue Zone
Mainstreaming ocean science communication for behavioural change and ocean-climate action	CGF/CI/IOC-UNESCO	At COP27, a partnership of IOC UNESCO, the Calouste Gulbenkian Foundation and Communications Inc will seek to build on the momentum generated at COP to explore how communications can contribute to i) the fulfilment of Ocean Decade priorities related to the ocean-climate nexus and ii) the use of ocean science to trigger individual and institutional behaviour change in relation to the ocean.	Wednesday, 9 November 3:30 – 4:45 PM	UNESCO Pavilion (Green Zone)
International Finance Opportunities: Gaps and Needs for Ocean-	Co-hosted by Plymouth Marine Laboratory, Commonwealth Blue	There is increasing urgency for nations to reduce their emissions of carbon dioxide and other greenhouse gases and to support ongoing efforts to	Wednesday, 9 November 4:00 – 5:00 PM	Pacific Pavilion, Blue Zone

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based Climate Action towards Implementing SDG 14.3	Charter, and OA Alliance Email: jturner@cascadiapolicy.com Name and affiliation of the main event contact: Jessie Turner, Secretariat, International Alliance to Combat Ocean Acidification Weblink for additional information: https://www.oaalliance.org/events	implement SDG 14.3, “to minimize and address impacts of ocean acidification.” This event will highlight the science, policy, vulnerability assessment tools, and funding mechanisms that are needed to achieve this step change.		
The Deep-Sea, the Climate and the Next Generation	Climate Education Hub, DOSI, Deep Ocean Observing Strategy Michelle Guraieb/SIO mguraieb@ucsd.edu	The purpose of this event is to communicate the importance of the deep sea, its connection to climate change and express the thoughts of the next generation in deep-sea science. Watch online: earthday.org/climateeducationhub/	Wednesday, 9 November 4:30-5:30 PM	Climate Education Hub, Blue Zone
Ocean innovators platform panel	Prince Albert II of Monaco Foundation	The <i>Ocean Innovators Platform</i> will aim to highlight the essential role of innovation, entrepreneurship and impact investment for a transition towards a sustainable blue economy. As the 3rd edition of this event, the session will host panel discussions with prominent experts in the fields of investment and innovation. Representatives from the Global Fund for Coral Reefs’ Investment Fund will present opportunities for public, philanthropic and private investors to scale nature-positive blue economic growth.	Wednesday, 9 November 5:00 PM	Four Seasons Hotel

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		Learn more		
The Mangrove Breakthrough Launch: Global Mangrove Alliance; High Level Champions	Emily Godwin Email: emily.goodwin@iucn.org	Building on the Breakthrough Agenda, this session will serve as the launch of the Mangrove Breakthrough, a joint initiative of the UNFCCC High Level Climate Champions and the Global Mangrove Alliance, which aims to drive and unlock public, philanthropic, and private finance for the protection and restoration of mangroves.	Wednesday, 9 November (Time: TBD)	Nature Pavilion, Media Zone
Ocean Funding: Accelerating investments in SDG 14 and the Sustainable Blue Economy	UN Department of Economic and Social Affairs, Government of France, Government of Costa Rica Facilitated by Ocean & Climate Platform	In response to the 2nd United Nations Ocean Conference’s many calls for greater financial support for SDG14’s implementation, this High-Level Side-Event will bring together governments, financial institutions, regional development banks, private sector entities, philanthropy, and science experts to discuss how to increase investment flows in support of the Sustainable Blue Economy to achieve SDG14. https://sdgs.un.org/events/accelerating-investments-sdg-14-and-sustainable-blue-economy-48934	11/9/2022 10.00-11.30 AM	Ocean Pavilion, Blue Zone
Ocean Rights to boost Climate Action at International Negotiations	The Ocean Race	Imagine the Ocean had a voice at the table where decisions affecting it are taken, would this provide a new perspective in decision making? Based on the experiences from the Nature’s Rights movement, the concept of having the same perspective for the ocean on a global level is attractive not the least to big ocean states such as Cabo Verde. This event seeks to explore opportunities for a future Universal Declaration of Ocean Rights.	11/9/2022 12:00PM	Ocean Pavilion, Blue Zone
Clearing the Blue Carbon Highway:	Blue Marine Foundation	Blue Carbon has been rising as an option for the private sector and government alike to meet their climate goals. However, several roadblocks have	11/9/2022 01:30PM	Ocean Pavilion, Blue Zone

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Governance, Benefit-Sharing and Rights		appeared that have generated uncertainty in some realms and that may jeopardize the rapid growth and delivery of this nature-based solution. In this one-hour side event we will address those uncertainties and discuss what actions are required to expedite progress and deliver equitable blue carbon climate action.		
Climate Change in the Mediterranean area: Challenges, Impacts and Solutions	National Institute of Oceanography and Fisheries, Egypt (NIOF)	This will discuss those challenges that shall be tackled together, as recently declared that the 42 countries of the Union for the Mediterranean, endorsed recently a ministerial declaration that seeks to exploit the potential of research and innovation to increase the resilience of the Mediterranean region against environmental, food security and socioeconomic challenges, as well as to promote science diplomacy. This will reinforce the dialogue between the policymakers and scientific community.	11/9/2022 03:00PM	Ocean Pavilion, Blue Zone
CORVI: From Land to Seascapes, Building Climate Resilience for Island States and Coastal Communities	Stimson Center	Climate risks affect the social, economic, and environmental lifelines of coastal communities. The Stimson Center and the Commonwealth Secretariat recently completed three CORVI Rapid Risk Assessments in Barbados, Sri Lanka, and Kiribati, analyzing the chief climate risks in coastal areas using cross cutting localized data. Learn how governments are using this information to act, foster all-of-government efforts, attract international financing and fill the adaptation gap before it is too late.	11/9/2022 04:30PM	Ocean Pavilion, Blue Zone
Accelerating ocean-based climate action	OCP, OFB, and WHOI		Thursday, 10 November	Pavilion France

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for a sustainable future			Time: TBD, morning	
Fishing for Climate Resilience	Rare and GLISPA Frederik Stapke (Rare) fstapke@rare.org	The event will showcase how implementation of nature-based solutions (NbS) in coastal ecosystems have positively impacted vulnerable coastal communities and small-scale fishers, while supporting governments across all levels to implement and scale adaptation strategies with NbS and Ecosystem-based Adaptation (EbA). Local champions and international stakeholders involved in the Fishing for Climate Resilience project will describe their journey and invite attendees to learn about and discuss enabling factors to their of proven nature-based/EbA solutions for coastal and marine habitats, local livelihoods of small-scale fishers, and in support of NDCs, NAPs, and Green Recovery strategies.	Thursday, 10 November 9:00 – 10:15 AM	<u>Resilience Hub</u>
Indigenous Peoples, Traditional Knowledge, and Ocean-Climate Action	One Ocean Hub	The UN has declared the Decade of Ocean Science for Sustainable Development (2021-2030) to support the role and contribution of different knowledge systems, including indigenous and traditional knowledge, to drive ocean-climate action. Traditional knowledge and intangible heritage that have been developed over thousands of years have sustained and supported human’s connection to the ocean. Ocean-climate action will remain limited in their approaches if traditional knowledge and their knowledge holders remains marginalised from the international and national dialogue that define the future of our ocean and climate. This panel will explore ways to overcome this barrier by engaging traditional knowledge	Thursday, 10 November 9:00-10:30 AM	<u>COP27 Virtual Ocean Pavilion</u>

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		holders from Namibia, Ghana and South Africa that have taken part in or are taking part in research projects - exploring how different project methodologies can bridge the gap traditional knowledge, intangible ocean heritage, and climate action.		
Coastal Wetlands in National and Subnational Climate Strategies: Nature-Based Solutions in Practice	Pew Courtney Durham (Pew) cdurham@pewtrusts.org	Moderated panel sharing key learnings from countries and US states at various stages of implementing current, and developing future, targets for their coastal “blue carbon” habitats – mangrove, seagrass and saltmarsh – as nature-based solutions within national and subnational climate strategies.	Thursday, 10 November 9:00 – 10:00 AM	Nature Pavilion
GMA Mangrove Breakthrough announcement	Madeleine Fry <mfry@conservation.org>	The Mangrove Breakthrough is a science-based, achievable and measurable goal for non-state actors and governments to collectively restore and protect mangroves at the scale needed, catalyzing financial flows to scale proven solutions and mobilize action on the ground. The Mangrove Breakthrough is part of a set of Marrakech Partnership Adaptation and Resilience Breakthroughs which collectively define global milestones and high-impact solutions to reduce climate risks, particularly in vulnerable communities, through adaptation action.	Thursday, 10 November 10:30-11:00	Nature News Studio
Enhancing Climate Resilience of SIDS Coasts, Communities and Ecosystems	Food and Agriculture Organization of the United Nations (FAO)	This event will launch new climate data and findings of studies commissioned by FAO on climate change concerning SIDS and discuss climate solutions for fisheries, aquaculture and other ocean economies in SIDS.	Thursday, 10 November 11:00 AM- 12:30 PM	<u>COP27 Virtual Ocean Pavilion</u>
Coral reefs under pressure: data-driven innovations to advance	Australian Institute of Marine Science (AIMS)	Presentations and panel discussion	Thursday, 10 November 2:00-3:00 PM	Australian Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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conservation and adaptation under a changing climate				
Youth Meaningful Engagement in Ocean-Climate Negotiations and Expectations for COP27	Youth and Environment Europe and Youth4Ocean Forum	The Youth4Ocean Forum and the Youth and Environment Europe (YEE) COP27 team will lead a discussion among young ocean-climate advocates and experts. The panelists will share their expectations, priorities, and goals for ocean-related issues to be discussed during the upcoming COP27 negotiations, and articulate what meaningful engagement means to them in the context of ocean-climate international decision-making processes.	Thursday, 10 November 2:00-3:30 PM	<u>COP27 Virtual Ocean Pavilion</u>
What tools do we have to improve rapid adaptation and resilience of corals? A global approach with specific perspectives for the Pacific region	Institut de Recherche pour le Développement – National Research Institute for Sustainable Development (IRD) <u>riccardo.rodolfo-metalpa@ird.fr</u>	This side event will be a round table, with a multi-actors panel. Speakers will briefly introduce the status of coral reefs with special focus on the Pacific region; present new research on corals adaptation based on observations from extreme reefs, and how it applies coral reef restoration interventions in order to increase their resilience to climate change through Nature-Based Solutions.	Thursday 10 November 3:00 – 3:55 PM	Blue Zone Moana Blue Pacific
Financing Climate Action in the Bahamas	Ms. Alice Soewito (The Nature Conservancy) Email: <u>alice.soewito@tnc.org</u> Phone: +1 607 7936188 Ms. Rochelle Newbold (Bahamas) Email: <u>rochellenewbold@bahamas.gov.bs</u>	The Gov of The Bahamas and local and global partners are using a suite of tools of climate solutions to confront climate change. Discussions will include examples of building resilience through coastal zone planning and management, the role of youth and high-quality carbon credits for adaptation. Speakers: High Level Speaker from Bahamas Government Jerome Fitzgerald – GOB Suggested Youth speaker/Moderator: Maya Delaney Bahamas	Thursday, 10 November 4:45 – 6:15 PM	Blue Zone Room: Osiris (300)

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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	Phone: +0 242 3768476	Government officials Charles Hamilton -GOB Rochelle Newbold – GOB Scientist - BTW The Nature Conservancy: Shenique Albury-Smith		
Southern Ocean ecosystems: need for augmented understanding, research efforts and protection	Dr. Sian Henley, University of Edinburgh, UK s.f.henley@ed.ac.uk	Southern Ocean ecosystems are critically important in underpinning regional biodiversity, global food security and ocean health, through nutrient supply and animal migrations. These ecosystems are under severe threat from climate change and direct human impacts. This side event brings together key scientific and policy organisations working in the Southern Ocean to discuss the major priorities for understanding and protecting this region and its global role, and to highlight the urgent need to raise ambition for reducing emissions to safeguard this and many other ocean regions.	Thursday, 10 November 6:00 PM	Cryosphere Pavilion, Blue Zone
Producing future marine fuels: opportunities for renewable energy production in developing countries	Mr. Camille Bourgeon (International Maritime Organization) Email: cbourgeo@imo.org Phone: +44 20 75873116	International shipping handles over 80% of global trade volume while accounting for about 3% of global CO2 emissions. Decarbonizing the sector implies challenges, but also opportunities for developing countries, who need to align GHG emission reductions in maritime transport with development goals. Speakers: IMO / UNCTAD / World Bank / IRENA / to be announced	Thursday, 10 November 6:30 – 8:00 PM	Blue Zone Room: Akhenaten (150)
Unlocking private sector finance to accelerate climate action in small and other vulnerable countries	The Commonwealth Secretariat in collaboration with the Governments of Saint Lucia, Namibia and Zambia	This event will focus on showcasing existing and new financing facilities offering concrete pathways to scaling-up private sector investment to climate action. It will also provide an opportunity for sharing experiences on private sector engagement in climate action by member countries, financing institutions, and other multilateral organizations.	Thursday, 10 November 6:30-8:00 PM	Side Event Room 2 (Amon)

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		Through this session, the Global Fund for Coral Reefs will be featured as a blended finance demonstration initiative, scaling resilience finance and implementation for vulnerable states.		
Deep Dive - Marine Conservation Careers	kirsty.crawford@mcsuk.org	<p>Linked to the Ocean Science, Youth and Future Generations, and Resilience day at COP27 – this event encourages networking and participation from across the globe, especially from young people or those at the very beginning of their career. You will hear from three guest speakers on their current role into marine conservation, and the real-world applications on ocean climate action they have.</p> <p>This is informal marine career networking, a relaxed space to take a pause during the conference, think about a career change, understand your next steps after study or moving from volunteering into a full time role. The journey to marine science is not linear, and we encourage outside the box thinking, and want a space which is inclusive to all.</p> <p>Each guest speaker will have 15 minutes to share their career story and how their work now influences areas of marine conservation: Catherine Gemmell – Scotland Conservation Officer, Marine Conservation Society; Stella Diamant – Founder and Director Madagascar Whale Shark Project; Rory Crawford - BBC Wildlife Presenter and Bycatch Programme Manager - Royal Society for the Protection of Birds</p>	Thursday, 10 November 8:00-9:30 PM	Virtual event held on Zoom https://andanotherplace.wixsite.com/home

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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Addressing the energy transition: Seabed mining - a risky proposition for climate, people and the planet	Minderoo Foundation	The shift in energy sources and transition to zero-emission targets has led to increasing demand for the metals needed to build batteries used in electric vehicles, renewable energy generation, and consumer electronics. New interests have risen with the potential to get these minerals from the deep sea. Some of these minerals are found in the International Seabed Area that does not belong to any individual country. The case of seabed mining raises important questions about how we can accelerate a paradigm shift to low-carbon infrastructure to avert the worst impacts of climate change – while minimizing unwanted environmental harm along the way.	Thursday, 10 November Time: TBD	Nature Pavilion
Keeping the ocean-climate-biodiversity nexus momentum alive: Sharing the SIDS' Perspectives	Pacific Islands Forum	The ocean also offers formidable opportunities to address climate change at the national, regional and global levels. The event will provide an opportunity for speakers to share their views on the importance of incorporating the ocean in the climate discussions. As representatives and advocates of the Island States at the forefront of climate change, we have a unique and leading role to play on this issue.	11/10/2022 08:00AM	Ocean Pavilion, Blue Zone
Ocean conservation and climate protection	Monaco Scientific Center (CSM)	Climate change is having an increasing negative impact on natural capital, leading to a decline in ecosystem services and in economies. This event will bring together biologists, economists, and IPCC authors and will show to decision-makers, stakeholders and climate change negotiators how nature-based solutions could help reconcile saving the Ocean, fighting climate change, and improve the well-being of people. This event will include	11/10/2022 09:00AM	Ocean Pavilion, Blue Zone

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		presentations, a panel discussion and questions from the floor.		
Ocean Science for Climate Action in the framework of the Ocean Decade	UN Ocean Decade	Key conclusions of the first Ocean Climate Dialogue included recognition that a whole of society approach is needed for ocean-climate action. This event will provide a space for discussion of the importance of the science-policy-society interface to translate ocean science to effective climate action. Actors across the science-policy-society interface will explore key gaps and challenges and provide examples of innovative solutions underway in the context of the Ocean Decade.	11/10/2022 10:30AM	Ocean Pavilion, Blue Zone
How digital twins of the ocean can transform science and the world	National Oceanography Centre (NOC)	<p>Digital twins allow us to track how and why the things we care about are changing and simulate what their futures could be, including by exploring ‘what if?’ scenarios. In May 2022 the UK hosted the International Digital Twins of the Ocean Summit, building on the outcomes of the UK G7 Presidency 2021. This event allows an opportunity to further develop a unified vision on digital twins of the ocean, contribute to their development, and explore their utility – a key aim set out in the summit.</p> <ul style="list-style-type: none"> • Dr John Siddorn, Associate Director, Digital Ocean at the National Oceanography Centre; • Dr Katy Hill, UK G7 Marine Science Coordinator (chair); • Dr Anne Cohen, Associate Scientist, WHOI; <p>Professor Martin Visbeck, Head of the Research Unit, GEOMAR (remote)</p>	11/10/2022 12:00PM	Ocean Pavilion, Blue Zone

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Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
ECOPS (Early Career Ocean Professionals) & CMAR/ETP as a testing ground for Cohort based Ocean Leadership Expansion	IOC-UNESCO; Smithsonian Tropical Research Institute	The Early Career Ocean Professional (ECOP) Network is established to empower next-generation ocean leadership from and for critical ocean ecoregions. Endorsed by the UN Ocean Decade, it is time to elevate and strengthen the diverse perspectives through a collective voice, ensuring knowledge transfer to promote ocean sustainability. The panel will explore the need to invest, challenges, barriers, and identify conditions of success and solutions to ensure genuine step-change used to benefit policy.	11/10/2022 01:30PM	Ocean Pavilion, Blue Zone
Launch of the IPOS Coalition: Scientific institutions coming together for ocean sustainability	The National Centre for Scientific Research (CNRS)	This event aims at (1) presenting the concept and importance of an international panel for ocean sustainability (IPOS), (2) opening discussions to consolidate the main goals of the IPOS coalition. Speakers will highlight the timeliness of IPOS, the current state of progress of the coalition, and the different fields in which IPOS could intervene.	11/10/2022 03:00PM	Ocean Pavilion, Blue Zone
Ocean observations for climate change: From local observations to a global system	Partnership for Observation of the Global Ocean (POGO); GOOS Sophie Seeyave, POGO ssve@pml.ac.uk	Our vision to build the global ocean observing system is a bold, urgent, and achievable step that we can take to mitigate and adapt to climate change. It is the only way to truly understand whether and for how long the ocean will absorb carbon, and thus protect the planet from the disastrous effects of climate change. We will present a variety of perspectives on ocean observing, from coastal to open ocean and from high latitudes to the tropics and discuss collaboration towards our common vision.	11/10/2022 04:30PM	Ocean Pavilion, Blue Zone
Emerging Leaders in Ocean Policy and Science in SIDS	Scripps Institution of Oceanography, UC San Diego; Woods Hole	This event brings together a diverse set of recognized SIDS youth leaders and ocean scientists to propose and discuss adaptable policy and science	11/10/2022 06:00PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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	Oceanographic Institution (WHOI)	frameworks for global implementation. Drawing on their experiences in indigenous policy and resource management, marine science, emergent technology, sustainable energy, and carbon markets, the panelists will also discuss island innovation ecosystems and transformative community impact in the ocean space.		
The Ocean X Climate Summit: Because we live on a blue planet	Oceanic Global cassia@oceanic.global	On 11 November 2022, Oceanic Global and partners will host an all-day Summit at the Park Regency in Sharm El-Sheikh, to immerse global stakeholders in the importance and potential of the ocean within the climate change narrative, and to support multi stakeholder action for the ocean and all it sustains.	Friday, 11 November 10:00 AM – 5:00 PM	Park Regency , Sharm El-Sheikh
Nature-based solutions and the role of coral reefs: opportunities for ambitious action in the mena and beyond	G20 Coral Research & Development Accelerator Platform (CORDAP), Saudi Arabia’s Ministry of Energy and King Abdullah Petroleum <i>Studies and Research Center (KAPSARC)</i>	The Arabian Seas are the warmest of the ocean’s ecosystems and host coral reefs resistant to extreme temperatures, which are, nevertheless, vulnerable to climate change. Coral reefs play an increasingly important role in supporting livelihoods and the economy in the region. Yet, the window to save the corals is closing and we must act now. This event aims to open a dialogue about nature-based solutions and coral reefs to help bring them to the agenda for COP 28. Coral reefs play an increasingly important role in supporting livelihoods and the economy in the Arabian region. Yet, the window to save the corals is closing and we must act now. What will it take to secure a future for corals in the Arabian Seas?	Friday, 11 November 2:20-3:30 PM	Saudi Pavilion
Ministerial Meeting on Ocean and Climate	Facilitator: Ocean Conservancy; Co-hosted		Friday, 11 November	TBD

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	by the Governments of the United States, Chile, Norway, Fiji, Costa Rica and possibly France		Time: TBD, afternoon	
Reducing Plastic Pollution as Ocean Action: Accelerating the Clean Energy Transition by Ending Plastic Pollution Capitalizing on climate commitments, community action and a strong global plastics agreement	Anna-Marie Laura, Ocean Conservancy alaura@oceanconservancy.org Aarthi Ananthanaryanan, Ocean Conservancy swanous@oceanconservancy.org	Ending plastic pollution is an innovative ocean climate solution that creates a path to achieving the Paris Climate Agreement goals. As governments work through the United Nations Environment Assembly (UNEA) to develop a parallel legally binding global instrument to end plastic pollution, this panel will address how they can learn from and contribute to the implementation of the Paris Agreement. This event will help raise awareness of the direct interlinkage between climate change and ocean health and help international, national, and subnational decision-makers advance the specific priority that climate action is ocean action.	Friday, 11 November 4:15 – 5:15 PM	Nature Pavilion
Fire risk increase, a challenge for Earth systems and societies	Ms. Rebecca Fenn (Future Earth International) Email: rebecca.fenn@futureearth.org Phone: +33 151 74388983 Mr. Peter Backlund (Colorado State University)	Wildfires disrupt land systems, can modify weather and climate, and generate pollution. They also provide ecosystem services and a new source of nutrients to marine biota. For millennia and today, societies are adapting and here we discuss fire risk from both a natural and social science view. Speakers: SOLAS: D.Hamilton, NC State, USA, C.Guieu, CNRS, FR. IMBER: C.Robinson, UEA, UK. GESAMP38: A.Baker, UEA, UK. FireMIP: S.Hantson, Univ. del Rosario, CO. PAGES: B.Vannière, CNRS, FR. iLEAPS: S.V.Shamsudheen, CEH, UK. BRIDGES :	Friday, 11 November 4:45 PM – 6:15 PM	Blue Zone Room: Memphis (300)

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	Email: pwbacklund@gmail.com Phone: +1 303 5170324	S.Hartman, ASU, USA, J.Adamson, UNESCO, PT. IGAC: L. DeWitt, CIRES, USA		
The African Imperatives of Resilient Water-Energy-Food Systems under a changing climate	Mr. Atayi Babs (Climate and Sustainable Development Network of Nigeria) Email: atayibabs@yahoo.com Phone: +234 80 32494999 WorldFish Communications & Marketing (International Center for Living Aquatic Resources Management) Email: worldfish-cdrd@cgiar.org Phone: +6 0 192695319	Water, energy, and food systems are tightly interconnected. They are faced with pressures of varying natures and levels of urgency which need to be better understood, especially as nations work toward achieving the UN 2030 Agenda’s Sustainable Development Goals by 2030. Speakers: Hon. Mohammed H. Abdullahi, Minister of Environment Nigeria Dr Beth Dunford, AfDB Vice President, Agriculture, Dr Agnes Kalibata, AGRA President Dr Claudia Sadoff, Executive MD CGIAR	Friday, 11 November 6:30 – 8:00 PM	Blue Zone Room: Thutmose (150)
Fish are carbon engineers	rebecca@our.fish Our Fish	Representatives from civil society, government and the scientific community will discuss the evidence in support of fisheries management as carbon management and what opportunities exist for maximising this to deliver on climate action commitments.	11/11/2022 8:00 - 9:00 AM	Ocean Pavilion, Blue Zone
The Ocean, its ecosystems, and the UNFCCC: what actions	Plymouth Marine Laboratory (PML)	Investing in actions to sustainably manage, conserve & restore biodiversity & ecosystems is essential for maintaining the ecosystem services	11/11/2022 09:00AM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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now for effective Ecosystem based Adaptation (EbA)?		critical for climate change adaptation & disaster risk reduction, reducing vulnerabilities, & increasing resilience. Effective EbA could provide local adaptation & mitigation options but with rapidly advancing climate change is there a still a window of opportunity for such investment & action? Is there a global warming limit when this window will close?		
From the Front Lines of the Climate Crisis: Impacts, resilience, and optimism	Woods Hole Oceanographic Institution (WHOI)	Small-island coral reef countries are already at the front lines of the climate change crisis. We will highlight the many ways in which climate change is impacting the lives of coastal communities in coral reef countries, and the unique partnerships emerging to create novel solutions, empowering stakeholders with the information and tools they need for effective decision-making in a rapidly changing ocean.	11/11/2022 10:30AM	Ocean Pavilion, Blue Zone
Blue Ambition: Creating an Ambition Loop for Ocean-based Climate Solutions	The National Centre for Scientific Research (CNRS)	Seven years after the adoption of the Paris Agreement, climate commitments are not on track to keep the 1.5°C target within reach. At the heart of the climate system, the ocean is a powerful source of untapped solutions. In the preparation of the global stocktake ahead of COP28, it is time to identify a “blue ambition loop” from governments and non-state actors to accelerate the implementation of ocean-based solutions to deliver on the goals of the Paris Agreement.	11/11/2022 12:00PM	Ocean Pavilion, Blue Zone
Decarbonise now: unlocking limitations and accelerating progress towards green shipping	Minderoo Foundation	Shipping is essential for healthy global trade transporting 90% of goods across the globe. However, shipping contributes 3% of global emissions -projected to increase by 50% by 2050, putting at risk efforts to limit warming to 1.5	11/11/2022 01:30PM	Ocean Pavilion, Blue Zone

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		degrees Celsius required to meet the Paris Accord. At COP26, many Parties began to focus on tackling emissions from the transport sector. COP27 presents an important opportunity to build on this work and develop practical ways in which to start to decarbonise now.		
Blue carbon: The ocean's role in fighting climate change	National Oceanography Centre (NOC)	<p>There is no climate solution without the ocean, and research will help us to continue to understand and harness the ocean’s unique contribution. The term “blue carbon” may be used holistically to refer to the uptake and storage of carbon dioxide in marine systems by physical, chemical and biological ocean processes - from the coast to the deep ocean. Blue carbon approaches to climate change mitigation and adaptation are being discussed more and more by policy-makers and this event aims to ensure that policy is driven by the science, delivering the climate change impacts we all need.</p> <ul style="list-style-type: none"> • Professor Ed Hill, Chief Executive Officer, National Oceanography Centre (NOC) (chair); • Dr Jim Edson, Senior Scientist, WHOI; • Dr Anya Waite, Director of OFI Canada, and GOOS Co-Chair • Dr Karina Von Schukmann, Mercator • Dr Narissa Bax, Marine and Coastal Program Coordinator, South Atlantic Environmental Research Institute (SAERI) 	11/11/2022 03:00PM	Ocean Pavilion, Blue Zone
Ethics and Climate Action: Establishing an Ethical Framework for Climate Interventions	American Geophysical Union (AGU)	AGU is leading the development of ethical framework to guide research and possible deployment of climate change intervention measures. Our oceans are on these experimental	11/11/2022 04:30PM	Ocean Pavilion, Blue Zone

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		frontlines. Several authoritative scientific bodies, including the U.S. National Academies of Science, have called for such an ethical framework in recognition that aspirational limits to warming, set by the 2016 Paris Agreement, are not likely to be met. How can we structure the dialog, create consensus, and shape action?		
Maritime Resilience Breakthroughs: Ports as a Gateway	Lloyd's; UN High Level Climate Champions	This event will launch the Maritime Resilience Breakthroughs, a set of milestones aimed at galvanizing action and radical collaboration toward a more resilient maritime sector. This event will offer attendees a chance for a first look at the breakthroughs, to hear about how ports are building resilience toward climate impacts, and to join in the mobilization toward a more resilient global supply chain.	11/11/2022 06:00PM	Ocean Pavilion, Blue Zone
Delivering on climate pledges - What does high-quality corporate action look like? High Quality Blue Carbon Principles Launch	Madeleine Fry <mfry@conservation.org>	Corporate pledges for climate and nature and the voluntary carbon market are both critical tools that, when made and used well, can play an important role in corporate climate action, positively supporting our world's collective journey to a net zero, nature positive future. To help private sector leaders on this journey, specifically in the fast-emerging space of blue carbon, this session will feature the launch of the High-Quality Blue Carbon Principles and Guidance. Areas for discussion will include trends and guidance in the pursuit of a high-quality carbon market and pragmatic best practices towards the achievement of high integrity corporate action at large.	Saturday, 12 November 10:00-11:00	We Mean Business Pavilion

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		https://www.youtube.com/watch?v=MPQXxK769mk&list=PLoW8sG5JRWIWWVOSkEieUHTuj3TRESn8o&index=1		
Delivering on climate pledges - What does high-quality corporate action look like?	whitney.johnston@salesforce.com	<p>Corporate pledges for climate and nature and the voluntary carbon market are both critical tools that, when made and used well, can play an important role in corporate climate action, positively supporting our world’s collective journey to a net zero, nature positive future.</p> <p>To help private sector leaders on this journey, specifically in the fast-emerging space of blue carbon, this session will feature the launch of the High-Quality Blue Carbon Principles and Guidance. Areas for discussion will include trends and guidance in the pursuit of a high quality carbon market and pragmatic best practices towards the achievement of high integrity corporate action at large.</p>	Saturday, 12 November 10:30 AM	We Mean Business Pavilion, Blue Zone, Auditorium B
Subnational Leadership on Climate-Ocean Action: Assessing Risk and Deploying Local Response	Co-hosted by OA Alliance & Pew Charitable Trusts	Hear from subnational leaders on the front lines of addressing climate-ocean change using a variety of strategies to assess climate risk and information needs, leverage investments, and formulate solutions that apply targeted science to management at local and regional scales.	Saturday, 12 November 11:30 AM–12:30 PM	America Is All In Pavilion (hybrid)
Community risk is climate risk: aligning finance and policy to empower communities in the clean energy transition	Aarthi Ananthanaryanan, Ocean Conservancy swanous@oceanconservancy.org	Local communities across the globe are fiercely resisting the growth of carbon-intensive industries – such as fossil fuel and plastics sectors - that exacerbate climate change, disrespect Indigenous rights, and threaten public health, safety, environmental quality, and livelihoods. Protecting community rights is climate action. As governments	Saturday, 12 November 2:45–3:45 PM	Climate Justice Pavilion

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		work to phase down fossil fuels and work toward a just and equitable energy transition, empowering frontline community groups, aligning public policy, and creating transparent financial markets that account for community risks as an aspect of climate-related financial risks all have an important role to play. This panel will feature case study research on the community risks of fossil fuel and plastics projects and the financial costs faced by companies that disregarded them. It will feature perspectives from policymakers, civil society leaders, and investors on strategies to internalize community risks to accelerate a just and equitable transition away from fossil fuels and carbon-intensive industries.		
How Climate Change Mobilization Promotes Adaptation & Resilience in Latin America & the Caribbean’s Private Sector	Madeleine Fry <mfry@conservation.org>	This panel will analyse how an early response and preventive adaptation solutions can be more effective and less costly than a late reaction. Speakers will present examples where adaptation measures to climate change make it possible to curtail negative effects, reduce vulnerabilities and increase the resilience of human and natural systems to climate change. In this direction, IDB Invest will reinforce its work in promoting the incorporation of adaptation and resilience measures for its clients, prioritizing nature-based solutions.	Saturday, 12 November , 15:00-16:00	MDB Joint Pavilion
Act to Adapt - A roadmap for resilient coral reef communities and fisheries	Wildlife Conservation Society	Join us for an interactive event bringing voices from the frontlines of climate impact together with the latest science around climate adaptation to share a hopeful message: local heroes are successfully leading coastal adaptation work all over the world, and new science provides a roadmap for helping	Saturday, 12 November 4:30 – 5:30 PM	Nature Pavilion

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		communities, coral reefs, and fisheries adapt and thrive in the face of warming.		
Financing Ocean Science for Climate Action in the framework of the Ocean Decade		A key focus of COP27 will be on tangible actions, partnerships and initiatives – including financing – to implement the commitments made by parties to the UNFCCC with a specific focus on the needs of Africa and Small Island Developing States. This event will explore the challenges faced in financing and supporting ocean science for climate action, with a focus on Africa, and present examples and experience in innovative and diverse financing and resource mobilisation approaches that could be adapted for implementation by diverse partners in Africa in the context of the Ocean Decade.	Saturday, 12 November 4:30-6:00 PM	Moroccan Pavilion, Blue Zone
The power of interagency cooperation for ocean-climate action: Case studies challenges opportunities	Ms. Valentina Germani (UN Office of Legal Affairs) Email: germani@un.org Phone: +1 917 3672112	Experts engaged with UN-Oceans will showcase ambitious science-based initiatives for nature-based solutions for ocean-climate action that are accessible, replicable, scalable and sustainable. Challenges and opportunities to strengthen future action will also be discussed with policymakers. Speakers: UN Agencies representatives, field practitioners, beneficiaries of UN-led actions and representatives of youth	Saturday, 12 November 6:30 – 8:00 PM	Blue Zone Room: Hatshepsut (300)
Policy innovations at the ocean-climate nexus to accelerate decarbonization, address climate change, and improve the blue economy	The National Academies of Sciences, Engineering, and Medicine (NASEM)	What will the future of ocean-climate policy look like? This session looks at policy innovations in the ocean space, to date, and how these policies will deliver meaningful impacts to improve both ocean and climate health. Select policy innovations to be discussed include: sustainable aquaculture and seafood as a decarbonization pathway, incentivizing ocean-based renewable energy, shipping and	11/12/2022 09:00AM	Ocean Pavilion, Blue Zone

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		reducing plastic production and usage, and research for blue carbon and marine CDR.		
Ocean change - adaptation and mitigation opportunities and challenges	IOC-UNESCO	This side event will provide a platform to explore the opportunities & challenges for nations and stakeholders related to observing and understanding ocean change; local & regional adaptation mechanisms to a rapidly changing ocean; including the conservation and restoration of carbon rich ecosystems, the safe implementation of ocean carbon dioxide removal technologies; and climate smart ocean management for supporting sustainable development and protecting ocean life and those that depend on it.	11/12/2022 10:30AM	Ocean Pavilion, Blue Zone
Incorporating all knowledges: How Indigenous Knowledge can help preserve ocean resources in a changing climate?	Intergovernmental Panel on Climate Change	Indigenous knowledge and local knowledge is recognized as crucial in understanding how the climate is changing and how best to adapt, drawing on examples of ocean-based adaptation, for example Indigenous mariculture management of intertidal garden clams. Indigenous knowledge and territorial rights have been overlooked or marginalized in some contexts. This session will discuss the challenges of incorporating multiple knowledge systems in global assessments such as those of the IPCC.	11/12/2022 12:00PM	Ocean Pavilion, Blue Zone
New models for science and industry collaboration in the fight against climate change	Woods Hole Oceanographic Institution (WHOI)	Many companies have declared their intention to achieve net-zero emissions in the coming decades, but some are taking this commitment farther and are actively working to advance the science and technology innovation needed to achieve climate solutions at scale. Panelists will discuss how industry and academia can—and must—collaborate	11/12/2022 01:30PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		to create evidence-based solutions and drive progress in the fight against climate change.		
Blue economy towards sustainable development	National Institute of Oceanography and Fisheries, Egypt (NIOF)	This event will mainly focus on how blue economy sector will engine to develop economies in the world. The sustainable blue economy facilitates development but also looks for synergies in the maritime space, without damaging the environment. It also helps identify real needs for investment in research, skills, and innovation for climate change mitigation, a more circular economy, and preserving biodiversity. Presenting a number of successful best practices and stories in sustainable blue economy	11/12/2022 03:00PM	Ocean Pavilion, Blue Zone
A Blue Transformation to Achieve Paris Agreement Goals	Food and Agriculture Organization of the United Nations (FAO), United Nations Conference on Trade and Development (UNCTAD), and African Union Inter-African Bureau for Animal Resources (AU-IBAR)	The event will gather civil society, government and private sector experts to discuss how transforming aquatic food systems is crucial to mitigating and adapting to climate change.	Monday, 14 November 9:00-10:30 AM	COP27 Virtual Ocean Pavilion
The importance of mangroves and beach ecosystems for west Africa coastal environment		https://carbonremovals.org/	Monday, 14 November 10:00-11:00 AM	Hall B, Green Zone
Fostering cooperation among relevant UN bodies to advance	One Ocean Hub	2022 is the International Year of Artisanal Fisheries and Aquaculture (IYAFA) and represents an opportunity to raise awareness on the human rights	Monday, 14 November	COP27 Virtual Ocean Pavilion

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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small-scale fishers’ human rights in the face of climate change		of small-scale fishers and fish workers and on the importance of adopting specific national laws, public policies and programs to enable them to operate in a sustainable manner. This panel will bring together small-scale fisher representatives, researchers, and representatives from different UN bodies to exchange ideas and experiences on the needs and opportunities to ensure the full realization of small-scale fishers’ human rights in the face of a changing climate. It will explore common areas of concern, mutual objectives, and areas for improved collaboration among participants for synergistic international supports to improve small-scale fishers’ resilience at the ocean-climate nexus.	11:00 AM-12:30 PM	
Marrakech Partnership Implementation Lab: Protecting our ecosystems, peatlands		https://carbonremovals.org/	Monday, 14 November 12:00-1:30 PM	Lotus Room: Climate Action Zone, Blue Zone
Building blue/green skills needed for a safe and sustainable ocean economy	Lloyd's Register Foundation; UN High Level Climate Champions		Monday, 14 November 12:30-1:30 PM	Resilience Hub
Scaling up Engineered Carbon Removal		With net-zero targets rapidly approaching, proven climate solutions will need to be fully realised to avoid the catastrophic impacts of climate change. Carbon Dioxide Removal (CDR) aims to reduce the amount of CO2 in the atmosphere, either through nature-based or technological means, subsequently supporting climate goals as the green transition gets steadily underway. Join us at COP 27 as we host	Monday, 14 November 1:30-3:00 PM	IETA Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		discussions on the value of CDR on the road to net-zero. Speakers: - Julio Friedmann, Carbon Direct - Anna Dubowik, Negative Emissions Platform - Steve Kelly, 1PointFive International - Eli Mitchell-Larson, Carbon Gap - Jarad Daniels, Global CCS Institute https://carbonremovals.org/		
Addressing the Nexus of Climate Change, Poverty, Fisheries Livelihoods and Well-Being – Integrated approaches in the Context of Small Island Developing States (SIDS)	FAO	This live panel session with speakers from the Caribbean and Pacific explores recent action and new learning course on climate change and poverty nexus and on social protection tools and instruments to build the resilience of fisheries in the face of climate change while maintaining livelihoods of vulnerable coastal communities and safeguarding local production of aquatic foods.	Monday, 14 November 2:00-3:30 PM	<u>COP27 Virtual Ocean Pavilion</u>
Doing it Better: Unpacking evidence from the field and lessons learned from NbS for Adaptation	Madeleine Fry <mfry@conservation.org>	The intent of this panel session is to demonstrate concrete evidence and results from completed and in-progress projects, including lessons learned, return on investment, and impact of projects on the ground – and how this can be taken forward into future projects as adaptation efforts are scaled up around the world. <u>4th CB Hub - Capacity-building Day: Amplifying networks for collective capacity-building - YouTube</u>	Monday, 14 November 2:00-3:00	Capacity Building Hub
Supporting a Sustainable Blue Economy in Latin	Development Bank of Latin America and the Caribbean (CAF)	Moderated by Remi Parmentier	Monday, 14 November 3:00–4:00 PM	Spanish Pavilion

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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America and the Caribbean				
Towards Net-Zero in the Aquatic Food Sector: Decarbonization Pathways for Climate-Neutral Diets	Food and Agriculture Organization of the United Nations (FAO), European Bureau for Conservation and Development (EBCD)	This event aims to initiate a conversation between institutions, the fisheries and aquaculture industry, technology providers and civil society to pave the way for potential decarbonization pathways in the aquatic food sector.	Monday, 14 November 4:00-5:30 PM	<u>COP27 Virtual Ocean Pavilion</u>
Lalela uLwandle (Listen to the Sea): Participatory theatre with audience discussion	Senia Febrica, One Ocean Hub senia.febrica@strath.ac.uk	Lalela uLwandle is a participatory methodology developed by a South African collective called Empatheatre, who are part of the One Ocean Hub. Whilst grounded in the South African experience, the inter-generational stories of the sea performed in Lalela uLwandle resonate strongly with an international audience. The play expands our imaginations to listen to a multitude of voices on how we relate to the sea; including the voices of indigenous peoples, small-scale fishing communities, women, and youth. These voices that are often overlooked in ocean policy forums on climate change adaptation and blue economy initiatives. Experiences of exclusion from decision making processes, concerns around the exploitation of natural resources and marine protection, and questions around how to include cultural heritage in policy spaces are shared by many people across the planet. The play offers an invitation to a public conversation on how cultural, scientific and conservation knowledge may, if people learn to listen to each other carefully, find strategic alignment. Within the Empatheatre methodology, the performance is followed by a facilitated public-	Monday, 14 November 4:00-5:30 PM	COP27 Capacity-building Hub, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		discussion with researchers, performers, decision-makers and the audience on the themes that emerge from the play. The theatre, story-telling and participatory nature of the event provides an inclusive audience engagement offer, as ocean and climate policy and governance issues are brought to life in ways that spark imagination, debate and active dialogue. It will enable members of the audience, including those who have never had the opportunity before, to experience a live theatre performance on ocean adaptation and resilience.		
Launch of the International Blue Carbon Institute, and Reception	Madeleine Fry <mfry@conservation.org>	The International Blue Carbon Institute (IBCI) will accelerate and scale blue carbon implementation in Asia and beyond through science, training, and development of essential technical capacity, methodologies, and tools. Based in Singapore, the goals of the IBCI are to: Build multi-disciplinary capacity in Asia and beyond, to research, design, and implement blue carbon related programs, policy, and projects, provide a globally recognized hub facilitating the exchange of blue carbon expertise, knowledge, and learning, and provide regional and international leadership in the translation of cutting-edge science into tools and methodologies for broad application of blue carbon for climate mitigation and adaptation. https://www.cop-pavilion.gov.sg/Site/Overview	Monday, 14 November 16:00	Singapore Pavilion, Blue Zone
Conservation of Mediterranean Sea ecosystems under the climate crisis:	Prof. Gil Rilov, Israel Oceanographic and Limnological Research (IOLR), under the	https://ufmsecretariat.org/mediterraneanpavilion/?event=gil-rilov	Monday, 14 November 4:15-5:15	Mediterranean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
challenges and adaptive solutions	auspice of the EU project, FutureMARES	https://www.youtube.com/channel/UCASNGUR_tKXjDFW0K6LDHrg/streams		
Climate Adaptation Through Ocean Protection: Global Approaches to Indigenous-led Conservation	Government of Canada/IMPAC5 Secretariat abarron@cpaws.org	Theme: MPAs, Indigenous-led conservation, climate	Monday, 14 November 6:15-7:00 PM	Canada Pavilion
Ocean microplastic pollution: Links to climate, ecological impacts, and human health risks	Woods Hole Oceanographic Institution (WHOI)	Like CO2 emissions, the flow of plastic waste to the environment, especially the ocean, is an adverse side-effect of economic activity. Unlike CO2, the social cost of plastic pollution is not well understood and effective management require a better resolution of risks. This panel will focus on the current state of knowledge about plastic in the ocean, potential links to climate, and potential impacts on human and environmental health.	11/14/2022 09:00AM	Ocean Pavilion, Blue Zone
Technologies and scientific knowledge in support of prospecting marine mineral resources in the deep waters of African countries	National Institute of Oceanography and Fisheries, Egypt (NIOF)	Raise awareness among African States about the importance of the Law of the Sea for the continent and the potential of its continental shelf and adjacent international seabed area. This event will focus on identifying strategies and existing initiative that could help to build capacity to engage in deep seabed activities and promote sustainable use of the maritime areas around Africa. Issue recommendations on how best to promote prospecting and exploration activities in the African deep waters.	11/14/2022 10:30AM	Ocean Pavilion, Blue Zone
Making Waves: Women's Leadership in Ocean Science	American Geophysical Union (AGU)	Women are always at the forefront of change and action. Ocean Sciences is no different. Women have been trailblazers in ocean research and scholarship.	11/14/2022 12:00PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		Hear from leaders in the field. What have the challenges been for advancement and who is currently leading the way to new discoveries and solutions?		
Ocean Science Community Leaders Forum: Science Priorities to Inform Future COPs	Scripps Institution of Oceanography, UC San Diego	A gathering of the leaders of the world’s top ocean research institutions will consider the future of the oceans. Margaret Leinen, director of Scripps Oceanography, will be joined by counterparts from the National Oceanography Centre in England and the American Geophysical Union. The leaders will discuss science priorities, the role improved ocean observing technology can play in improving the sustainability of ocean systems, and what they hope will come from COP27 and future COPs	11/14/2022 01:30PM	Ocean Pavilion, Blue Zone
OA Action Plans: Increasing ambition for climate action & transforming planning and response to climate-ocean change	International Alliance to Combat Ocean Acidification	The OA Alliance brings together governments and organizations from across the globe dedicated to taking urgent action to protect coastal communities and livelihoods from the threat of ocean acidification and other climate- ocean impacts. Hear from National and subnational government leaders who are committed to creating “OA Action Plans” that integrate ocean relevant science, mitigation and adaptation efforts across mainstream climate policies, and investments.	11/14/2022 03:00PM	Ocean Pavilion, Blue Zone
OneArgo - a solution for global full depth multidisciplinary ocean observing	Woods Hole Oceanographic Institution (WHOI)	The ocean has absorbed 90% of global warming. A fully implemented OneArgo profiling float array will provide universal access to near real-time information about the ocean’s physical, chemical, and biological characteristics. We will discuss how this 20+ year program, including ongoing enhancements, has revolutionized our understanding of the ocean and its role in the	11/14/2022 04:30PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		climate system. Argo data are key in developing and implementing effective climate adaptation and intervention strategies.		
Carbon prospecting in the marine realm	Tropical Marine Science Institute at the National University of Singapore (NUS)	Marine habitats play important roles as natural climate solutions for mitigation and adaptation. Some projects could even pay for their own conservation. Researchers from NUS have mapped out where profitable blue carbon projects can be located. But the management of marine habitats as carbon projects can be trickier than terrestrial projects due to their transboundary nature. This panel will discuss if carbon prospecting in the marine environment could aid in the conservation of these habitats.	11/14/2022 06:00PM	Ocean Pavilion, Blue Zone
Transforming human behaviour to enable ocean-focused climate action, biodiversity protection and sustainable development (IPCC ocean experts event)	Co-hosted by IPCC, WMO & the MERI Foundation	https://apps.ipcc.ch/outreach/programme.php?q=91&e=5 https://www.youtube.com/watch?v=JQmMbw8YftA	Tuesday, 15 November 9:00-10:30 AM	Science for Climate Action – Pavilion, Blue Zone
Observing and understanding climate change and biodiversity from the coast to the deep ocean	Ms. Fiona Beckman (Partnership for Observation of the Global Ocean) Email: fbe@pml.ac.uk Phone: +44 1752 633146 Sophie Seeyave, POGO	The participating global networks will discuss how developing capacity for multi-omic and other emerging technologies will support tracking, forecasting and stewardship of ocean ecosystems, to address the intertwined threats of climate change and biodiversity loss from the coast to the deep ocean. Speakers: Margaret Leinen (USA), Lisa Levin (USA), Pier Luigi Buttigieg (Germany), Sonigitu	Tuesday, 15 November 11:30 AM – 1:00 PM	Blue Zone Room: Memphis (300)

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
	<p>Email: ssve@pml.ac.uk</p> <p>Ms. Lisa Levin (University of Southampton) Email: llevin@ucsd.edu Phone: +1 858 2292667</p>	<p>Ekpe (Nigeria), Nathalie Hilmi (France), Sarah Seabrook (New Zealand), Joana Soares (Portugal), Sophie von der Heyden (South Africa)</p>		
<p>Ocean-Based Climate Solutions: Enabling Frameworks for Action</p>	<p>Ocean Visions</p>	<p>This event will feature leading policymakers, scientists, and ocean experts in an interactive discussion that will focus on next steps for creating the supportive, equitable, and collaborative policy frameworks to advance research and testing of ocean-based climate solutions at scale. The event will be streamed by the Climate Education Hub and the Virtual CDR Pavillion. Keynote: Maisa Rojas Corradi, Minister of the Environment, Chile; Panel discussion: Anya Waite: CEO and Scientific Director, Ocean Frontier Institute (confirmed); Monica Medina: Assistant Secretary, Bureau of Oceans and International Environmental and Scientific Affairs, US State Department (confirmed); Izabella Teixeira: Co-Chair International Resource Panel - UN Environment, Former Minister of Environment, Brazil (confirmed); Philip Thigo: Senior Advisor for Innovation to the Presidency of Kenya, Africa lead for the Global Carbon Removal Partnership (confirmed); Panel Moderator: Brad Ack, Ocean Visions</p>	<p>Tuesday, 15 November 12:30 – 1:30 PM</p>	<p>Climate Education Hub, Blue Zone</p>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
<p>Coordination and Collaboration towards Ocean Blue NDCs</p>	<p>Ms. Miriam Balgos (Global Ocean Forum) Email: mbalgos@globaloceanforum.com Phone: +1 302 7539800</p> <p>Ms. Mere Ravugatini (Fiji) Email: m.manisau@gmail.com Phone: +679 0 8619713</p> <p>Mr. Aliya Satku (Monmouth University – Urban Coast Institute) Email: asatku@monmouth.edu Phone: +1 732 2635662</p> <p>Ms. Iwona Gin (World Ocean Network) Email: secretariat@worldoceannetwork.org Phone: +33 6 38553979</p>	<p>Showcases how collaborative initiatives among various stakeholders support the incorporation of ocean action to strengthen the NDCs in response to identified needs. Speakers share how synergies at global, regional, & national levels promote national ocean-based adaptation and mitigation initiatives.</p> <p>Invited Speakers: Ministers/high-level government representatives (Fiji, France, and Ghana); Representatives of FFEM, OFB, OACPS, WWF, YEE, Nausicaa, Urban Coast Institute, CCS, and Acadia University.</p>	<p>Tuesday, 15 November 1:15 – 2:45 PM</p>	<p>Blue Zone Room: Memphis (300)</p>
<p>Partnerships accelerate action to protect blue carbon ecosystems for mitigation and adaptation</p>	<p>Ms. Chenae Neilson (Australia) Email: e.bonotto@unesco.org Phone: +61 2 401318294</p>	<p>Partnerships across different sectors, are key to driving credible action for the protection of blue carbon ecosystems (mangroves, seagrasses, tidal marshes), contributing to climate change mitigation, adaptation, biodiversity, ocean economies and coastal communities</p>	<p>Tuesday, 15 November 1:15 – 2:45 PM</p>	<p>Blue Zone Room: Thutmose (150)</p>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
	<p>Ms. Courtney Durham (Pew Charitable Trusts) Email: cdurham@pewtrusts.org Phone: +1 202 2816521</p>	<p>Speakers: IPBC Government Partner (DC/LDC/SIDS), IPBC Government Partner (DC/LDC/SIDS), IGO, NGO, Research, Pew Charitable Trust, all tbc</p>		
<p>Shipping in a changing energy system - opportunities. Clean Energy Marine Hubs a value chain approach</p>	<p>Mr. Nelson Mojarro (International Chamber of Shipping) Email: nelson.mojarro@ics-shipping.org Phone: +44 0 7904687040</p> <p>Mr. Meinhard Doelle (Dalhousie University - Marine and Environmental Law Institute) Email: mdoelle@dal.ca Phone: +1 902 4941030</p> <p>Ms. Rachel Lyons (The University of Manchester) Email: tyndallmanchester@manchester.ac.uk Phone: +44 161 5294151</p>	<p>The changes to the global energy system to meet the Paris Agreement Goals will reshape shipping – from vessels to ports and fuel providers. The urgency of decarbonisation means shipping will be a leader as a user and enabler of low carbon fuels. Here the opportunities and challenges will emerge.</p> <p>Speakers: Prof. Alice Larkin, Tyndall Centre Guy Platten, ICS Karrie Trauth, Shell Christine Cabeau, CMA CGM Budd Dar, MSC Catherine MacGregor, ENGIE Yehia Zaki, Chairman Suez Canal Economic Zone, Egypt Patrick Verhoeven, IAPH David Cummins, Blue Sky Maritime Coalition Meinhard Doelle, Dalhousie Univ</p>	<p>Tuesday, 15 November 1:15 – 2:45 PM</p>	<p>Blue Zone Room: Amon (150)</p>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
	Ms. Leah Dundon (Vanderbilt University) Email: leah.a.dundon@vanderbilt.edu Phone: +1 615 4280643			
High Level Session: From the Pamir Glaciers to the Nile Deltas. Climate action from Source to Sea		A high-level event featuring inspirational climate actions and messages from the glaciers of Tajikistan to the Nile Delta. An expert-led panel discussion will showcase the value of source to sea management in safeguarding biodiversity through nature-based climate action.	Tuesday, 15 November 2:00 PM – 3:00 PM	Water and Climate Pavilion
Carbon Dioxide Removal as an Ocean Climate Solution: urgently taking a precautionary approach	Ms. Anna-Marie Laura (Ocean Conservancy) Email: alaura@oceanconservancy.org Phone: +1 803 6223976 Ms. Judith Fenwick (Woods Hole Oceanographic Institute) Email: jfenwick@whoi.edu Phone: +1 508 2893487	As ocean-based climate solutions gain recognition for their mitigation potential, this event will explore their role as part of negative emissions scenarios via ocean-based Carbon Dioxide Removal, the role of a scientific code of conduct, and opportunities for integration across the UNFCCC agenda. Speakers: AK. Ramakrishna [WHOI] K. Buesseler [WHOI] M. Leinen [Scripps SIO]; S. Gardner [UNEP] S. Cooley [OC] TBD [Project Vesta] TBD [UNFCCC IFI TWG] TBD [Africa Group] TBD [PSIDS] TBD [AILAC]	Tuesday, 15 November 3:00 PM – 4:30 PM	Blue Zone Room: Memphis (300)
Ocean-Climate-Society: challenges & opportunities for ocean mitigation,	Ms. Thecla Keizer (Plymouth Marine Laboratory) Email: tke@pml.ac.uk	Ocean ecosystems & coastal communities are being impacted by climate change, but the ocean also offers adaptation & mitigation actions. We will show examples of ocean adaptation, incl. Africa & Asia-Pacific, blue finance; collaboration; equitably	Tuesday, 15 November 4:45 – 6:15 PM	Blue Zone Room: Memphis (300)

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
adaptation, finance & UNFCCC	<p>Phone: +44 7818 402632</p> <p>Ms. Madeleine Millington-Drake (Blue Marine Foundation) Email: maddie@bluemarinefoundation.com Phone: +44 7527 545343</p> <p>Mr. Jacopo Pasquero (European Bureau for Conservation and Development) Email: jacopo.pasquero@ebcd.org Phone: +32 493 371679</p> <p>Mr. Frederik Stapke (Rare) Email: fstapke@rare.org Phone: +49 160 95128454</p> <p>Mr. Jonathan Scott (University of Strathclyde)</p>	<p>with communities & ocean integration in the UNFCCC</p> <p>Speakers: Chair: Co-chair GOA-ON; VIP addresses: African Minister & UN speaker; Panel: Ocean Conservancy, FAO, Blue Marine Foundation, One Ocean Hub, RARE, Nairobi WP, Plymouth Marine Lab, GCF, IPCC, Shipping Lead - Climate Champions, IRENE, IOC UNESCO, UN Special Rapp. Human Rights & Env, UNFCCC Secretariat</p>		

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
	<p>Email: jonathan.s.scott@strath.ac.uk</p> <p>Phone: +44 141 5483356</p>			
<p>Adaptation with mitigation co benefit</p>	<p>Mr. Ahmed Al Fahdah (Saudi Arabia) Email: ahmed.al-fahdah@moenergy.gov.sa Phone: +9 66 550777701</p> <p>Mr. Ahmed Khalil (The Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden) Email: ahmed.khalil@persga.org Phone: +966 12 42388744</p>	<p>Adaptation with focus in adaptation with mitigation co-benefits in the Marine environment</p> <p>Speakers: Regional Organization</p>	<p>Tuesday, 15 November 6:30 – 8:00 PM</p>	<p>Blue Zone Room: Memphis (300)</p>
<p>Observing our ocean: How ocean observation can help protect our planet</p>	<p>National Institute for Ocean Science (IFREMER); National Oceanography Centre (NOC)</p>	<p>For the climate, the Ocean is our greatest resource. Changes to the global climate need to be monitored over decades. The ocean observing system should therefore be treated as essential public good infrastructure, and funded accordingly. Speakers will explore the importance of observing programmes to our global understanding, and questions will be invited from the floor to further</p>	<p>11/15/2022 09:00AM</p>	<p>Ocean Pavilion, Blue Zone</p>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		<p>discussions around a collaborative, long-term future for observing our ocean as an underpinning for climate action.</p> <ul style="list-style-type: none"> • 9:00 -9:10 Welcome and introduction by François Houllier, Chairman & CEO National Institute for Ocean Science (IFREMER) <p>Panel 1: Ocean observing programs for the benefit of all</p> <ul style="list-style-type: none"> • 9:10 – 9:20 Pierre-Yves Le Traon Mercator Ocean International (virtual) • 9:20 – 9 :30 Angela Hatton, Director of Data, Science and Technology and Chief Scientist, NOC, and Principal Investigator for the Climate Linked Atlantic Sector Science Programme National Oceanography Centre (NOC) • 9:30 – 9:40 Jérôme Aucan, Head of the Pacific Community Center for Ocean Science Pacific Community (virtual) <p>Panel 2: A sustained ocean observing system for collaborative climate action</p> <ul style="list-style-type: none"> • 9:45 – 9:55 Ed Hill, Chief Executive Officer National Oceanography Centre (NOC) • 9:55 – 10:05 Lars Peter Riishøjgaard, Deputy Director of Infrastructure Department World Meteorological Organization • 10 :05 – 10:15 Dr. Suzan M. El-Gharabawy, Head of Marine Geophysics department, National Institute of Oceanography and Fisheries (NIOF) Alexandria- Egypt 		

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		<ul style="list-style-type: none"> • 10:15 – 10:25 Dr Rick W. Spinrad, Under Secretary of Commerce for Oceans and Atmosphere & NOAA Administrator, TBC • 10:25 – 10:30 Wrap up remarks by Margaret Leinen, Director of Scripps Institution of Oceanography Scripps Institution of Oceanography, UC San Diego 		
Just Seas: Environmental Justice & Ocean Sciences	American Geophysical Union (AGU)	As debate deepens on the economic impact of climate change on particularly vulnerable island nations, so too does the need to widen our discussion of environmental justice and ocean science grows. What are the new pathways being created to foster greater understanding and stronger action? How do we increase awareness and accelerate broader coalition building.	11/15/2022 10:30AM	Ocean Pavilion, Blue Zone
The Ocean Rights Alliance	The Ocean Race	The Ocean Race is driving support for Ocean Rights across societal sectors. Private companies have played a significant role in the lead up to the decision to negotiate a legally binding plastic treaty. This event will explore how companies can drive climate change through applying ocean rights into their decision making and management processes, and how a key sector such as the food industry, can transform itself to benefit the Ocean and prioritise such critical life support system.	11/15/2022 12:00PM	Ocean Pavilion, Blue Zone
Implications of Climate Change in the Red Sea and Gulf of Aden Region	National Institute of Oceanography and Fisheries, Egypt (NIOF)	This event will assess the potential impact of climatic changes on the coastal and marine environment of Red Sea and Gulf of Aden as well as on the socioeconomic structures and activities. The natural resources of the Red Sea and the Gulf of Aden are diverse, comprising a wide range of tropical marine habitats, some of the considerable	11/15/2022 01:30PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		conservation, scientific, economic or recreational value. However, they are often impoverished, both in fauna and in the range of available microhabitats.		
Understanding Atmospheric Rivers to Enhance Climate Resilience	Scripps Institution of Oceanography, UC San Diego	Atmospheric rivers (AR) are storms that create heavy rain and snow, especially in Mediterranean climates where they replenish critical water supply. However, too few ARs leads to drought and too many to flooding. In polar areas, scientists remain unsure if ARs contribute more to snow melt, thus driving sea-level rise, or in net add more to snow accumulation. The session explores connections to ocean & water supply, and how decision makers can use improved forecasts to foster climate resilience.	11/15/2022 03:00PM	Ocean Pavilion, Blue Zone
What's at Risk: Defining Resiliency in a Rising Sea	Woods Hole Oceanographic Institution (WHOI)	Sea level rise presents a fundamental challenge to society unlike any other. Almost every nation on Earth and countless communities, many of them poor or facing multiple risks simultaneously, will feel the effects for decades or centuries as sea level continues its upward climb. Planners, practitioners, and decision-makers have a growing toolkit to build resilience into all levels of society, but success requires good information, adequate funding, and political will—all topics of this panel.	11/15/2022 04:30PM	Ocean Pavilion, Blue Zone
Ecoship: A Transition Model for the Decarbonization of the Maritime Sector	Peace Boat in collaboration with DNV Maritime and International Windship Association (IWSA)	Climate change mitigation and the ocean and climate nexus through decarbonisation of the maritime sector, with the example of Ecoship, a 2,000 passenger capacity nature-inspired vessel with solar panels and retractable sails, it will be the platform for Peace Boat’s future educational voyages	Wednesday, 16 November 8:30-10:00 AM	<u>COP27 Virtual Ocean Pavilion</u>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		We will hear about the role of windpower from IWSA for the maritime sector, the industry direction from DNV and the example of Ecoship including educational programs on ocean and climate.		
Second Wind: Next Generation Ocean-Climate Solutions	WWF and Orsted pmerriman@wwfint.org	By 2030, the global installed offshore wind capacity is expected to increase more than fivefold compared to today. If this expansion can be scaled in a way that can support, rather than undermine, ocean biodiversity, it can provide a net-positive impact for nature, climate and people. This event aims to highlight the importance of integrating energy, climate and biodiversity solutions to achieve a nature-climate-people-positive future.	Wednesday, 16 November 8:30-9:30 AM	WWF Pavilion
Panel Discussion on future fuels in shipping	Greenpower Denmark		Wednesday, 16 November 9:00-9:45 AM (TBC)	State of Green Pavilion
Climate Action Event on Ocean & Coastal Zones (Ocean Action Day): <i>Ocean for Climate – implementing ocean-based climate action to build coastal adaptation and resilience</i>	Ms. Loreley Picourt (Ocean & Climate Platform) Email: lpicourt@ocean-climate.org	The Ocean Action Day at COP27 will gather Heads of State, IPLCs’ leaders, businesses, UN organisations, scientific institutions, experts and practitioners alongside climate-ocean focused initiatives and NGO leaders. The event will call for unity, raised ambition, increased finance and ocean-based climate action to accelerate mitigation pathways and support ongoing resilience and adaptation needs.	Wednesday, 16 November 10:00 AM-12:00 PM	Ibis Room, Climate Action Zone
Launch of the Green Corridors Hub	Zero Emission Shipping Mission		Wednesday, 16 November 10:00-11:00	State of Green Pavilion

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
Advancing human rights standards in nature-based solutions: lessons from land to sea	Senia Febrica, One Ocean Hub senia.febrica@strath.ac.uk	This session focuses on biodiversity finance and the ocean-climate-human rights nexus. It will platform young voices on climate mitigation and adaptation nature-based solutions. We ask what lessons can be learned from nature-based solutions in promoting and protecting children’s rights as attention on ocean-based climate action grows.	Wednesday, 16 November 10:05 AM	Children and Youth Pavilion, Blue Zone
Engineering the vision for climate resilient transport	Madeleine Fry <mfry@conservation.org>	https://www.youtube.com/c/unfcccint	Wednesday, 16 November 10:30-12:00	UNFCCC Action Zone
Biodiversity conservation and the climate crisis: challenges and adaptive solutions	Ministries of Foreign Affairs and Environmental Protection, Israel	https://govextra.gov.il/foreign-affairs/climatechange/home/cop-27/	Wednesday, 16 November 10:30-12:00	Israel Pavilion, Blue Zone
Hope for coral reefs in a warming world	UN Environment Programme, the Ocean Agency, the Global Fund for Coral Reefs	Coral “climate refugia” corals provide hope for the future of coral reefs, but only if we urgently commit, fund and act to implement the Paris agreement. The UN Environment Programme, the Ocean Agency and the Global Fund for Coral Reefs will join forces with globally known UN Global Environmental Ambassador, Ellie Goulding, and the UN Secretary-General’s Special Envoy for the Ocean, Ambassador Peter Thomson, to call for accelerated climate action and conservation funding for protection of climate refugia.	Wednesday, 16 November 11:00 AM – 12:00 PM	Hybrid / Climate Action Hub
One Health, the Ocean, and Climate Change	Senia Febrica, One Ocean Hub senia.febrica@strath.ac.uk	The roundtable is aimed to introduce the interlinkages between One Health, the ocean, and climate change and explore the environmental law and policy dimensions of One Health and the link to the SDGs. Examples such as the development of a	Wednesday, 16 November 11:30 AM	Health Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
		<p>One Health AMR (antimicrobial resistance) Legal Assessment Tool to be developed by FAO, OIE and WHO or a One Health project funded by the French Ministry of Foreign Affairs (One Health in practice in Southeast Asia : Zoonoses and socio-environmental changes: OneHealthSEA 2021 - 2022), which includes the development of a training part for students and civil servants in an environmental law perspective or a session on One Health and the ocean during the Science Summit UNGA77 (resp. C. Lajaunie), will illustrate some transformative governance process and changes. The mental health impacts of changes to oceans and fish populations will also be raised by speakers with lived experience from the Land Body Ecologies network. Further, the roundtable will explore the research coming from the One Ocean Hub which can contribute to the discussion regarding ocean biodiversity and biodiscovery and impacts of marine plastic pollution for health and climate change. It will include screening of a short film on marine biodiscovery produced and narrated by Professor Rosemary Dorrington (Rhodes University, South Africa) and Jazz Conway (University of Plymouth, UK).</p> <p>https://www.who.int/news-room/events/detail/2022/11/06/default-calendar/cop27-health-pavilion</p>		
<p>Regulations as a key enabler of maritime Decarbonization</p>			<p>Wednesday, 16 November 12:00 – 12:45</p>	<p>State of Green Pavilion</p>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
Transport Action Event			Wednesday, 16 November 12:30 - 14:30	Ibis Action Room
Climate Change and Ecosystem Services in Areas Beyond National Jurisdiction	One Ocean Hub	<p>The high seas cover 40 per cent of the Earth’s surface. They account for 64 per cent of the surface of the ocean and nearly 95 per cent of its volume (see Prip, 2021). Despite their remoteness, these regions are integral to the delivery of global ocean processes that enable humanity to thrive. They host a major proportion of the world’s biodiversity valued for the vast range of ecosystem services it provides. Biodiversity can act as an insurance policy against ecosystem service loss driven by climatic changes, imparting resilience that can allow the system to adapt. However, biodiversity is not immune to the pressures of climate change and its protection requires the ‘climate responsive’ governance of areas beyond national jurisdiction to prevent its degradation.</p> <p>At COP26 in November 2021, the ocean was officially integrated into all areas of work at the UNFCCC for the first time. On that basis, this panel focuses on the nexus of climate change and marine biodiversity beyond national jurisdiction, and the implications for critical ecosystem services. In particular the panel will explore the extent to which this inclusion can facilitate harmonisation between various actors and beneficiaries of ecosystem services in the governance of areas beyond national jurisdiction.</p>	Wednesday, 16 November 1:00-2:30 PM	<u>COP27 Virtual Ocean Pavilion</u>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
Sea view: Enhancing ocean observations for climate action	Co-hosted between the UK and the Plymouth Marine Laboratory jessica.dark@defra.gov.uk	Ocean observations have a critical role to play in our response to climate change. This event will explore the role of ocean observations in driving effective climate action and how the UN Decade of Ocean Science for Sustainable Development can be used to foster greater global collaboration on ocean observations.	Wednesday, 16 November 1:00 PM	UK Pavilion
What are the must win battles that shipping needs to take from COP27 – COP28?	Maersk		Wednesday, 16 November 1:00-1:45 PM	State of Green Pavilion
Coastal Resilience Implementation Lab			Wednesday, 16 November 1:00-2:30 PM	Lotus Room, Climate Action Zone
A Wave of Ambition for Ocean and Climate Action	US		Wednesday, 16 November 1:00-2:30 PM	US Pavilion
Mobilizing for a Climate Neutral and Nature Positive World ahead of COP15 (tbc)	Gavin Edwards (WWF Int) gedwards@wwfint.org; mlekic@wwfint.org	The event will provide a platform for an unprecedented collection of voices from across society (NGOs, businesses, finance, cities, youth, faith, IPLC, scientists) to come together in a collective call for a strengthen the Global Biodiversity Framework, and step up action to secure an equitable, nature-positive, and net zero emissions world.	Wednesday, 16 November 1:00-2:30 PM	Nature Pavilion
Ocean & Climate: Opportunities & Threats		Ocean day event at Spanish Pavilion with Vice PM Teresa Ribera - organized and moderated by Remi Parmentier	Wednesday, 16 November 1:30-3:00 PM	Spanish Pavilion

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
Unlocking Blue Prosperity: How blue food communities can survive and thrive in the climate emergency	Stanford Center for Ocean Solutions (COS), Environmental Defense Fund (EDF), WorldFish; Aquatic/Blue Food Coalition		Wednesday, 16 November 2:00-3:00 PM	Resilience Hub
How 3d printing in clay restores coral reefs	Archireef Limited	This session will be a demonstration of an award-winning coral reef restoration solution by Archireef. A reef tile and the production material, clay, will be brought to the stage for demonstration. Members of the audience will be invited onstage to have a hands-on experience of how they achieve groundbreaking coral survivorship through different steps from design and production to deployment. Highlights of previous projects will be shared to show the outcomes after an extended period of time post-deployment, which includes a breathtaking scenery of enhanced biodiversity – different marine species settling into the grown coral reefs. Archireef scientists and project leaders will be there to guide and answer any questions the audience may have.	Wednesday, 16 November 3:00-4:00 PM	Hybrid / Climate Action Hub
The Role of Nature-Positive Engineering in a Sustainable Ocean Economy	Lloyd’s Register Foundation	LRF’s CEO Ruth Boumphrey and Director of Technologies, Jan Przydatek, will be joined by speakers from engineering organisations around the world to discuss the need for new engineering approaches in the ocean economy, including emerging ocean industries, climate change and coastal development, energy needs and marine biotechnology, to strengthen and protect natural capital.	Wednesday, 16 November 3:00-4:30 PM	<u>COP27 Virtual Ocean Pavilion</u>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		We'll also explore the need to create a body of evidence for nature-positive engineering and the development of new technical standards for the equitable management of these new approaches, to ensure ecologically and socially positive outcomes globally.		
Blue Carbon Implementation Lab – Official Ocean Action Day Event	Conservation International, IUCN, HLC Champions, GCA-Ocean, OCP Madeleine Fry <m fry@conservation.org>	Over the last decade, Blue Carbon ecosystems have been recognized for their value for climate mitigation and adaptation, as well as their critical value for biodiversity and communities. Climate policy and finance is now beginning to support development and implementation of conservation and restoration of blue carbon ecosystems. This Lab will highlight these successes and identify the key emerging opportunities for scaling. https://www.youtube.com/c/unfcccint	Wednesday, 16 November 15:00-16:30	Blue Zone, Action Room 2
Repairing our world, to avoid runaway climate change	Global Choices Arctic Angels, Global Commons Alliance, Global Fund for Coral Reefs, Green Africa Youth Organisation, Sandra Day O'Connor College of Law, Arizona State University, Silver Lining NGO, United Nations Development Programme	The stability of our earth system relies on 16 unique places in the world. These span the five continents and include ice, oceans and coral reefs, forests and peatlands. Can we protect and repair them before we pass climatic tipping points and invoke irreversible climate collapse? In this session, Earth Commissioners will share the latest insights, before we explore some of the solutions and enablers. Youth voices will bring this intergenerational challenge into sharp relief.	Wednesday, 16 November 4:00-5:30 PM	Nature Zone Pavilion and online https://www.youtube.com/channel/UCbBQOpG79sJd_GwhBY32yVA

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
Nature-based Solutions session at Resilience Hub – From gray to green: A lifecycle approach to integrating Nature based Solutions	Madeleine Fry <mfry@conservation.org>	<p>Making a strong case for Nature-based Solutions (NbS) requires consideration of their whole lifecycle, from concept planning to design and implementation through to operations and maintenance. This includes defining the physical scope of the project, making the case for investment, identifying who owns and maintains the NbS and then measuring how the benefits, costs and impacts of NbS are generated and perceived across the project. This session will showcase real world examples of planning, delivery and management of NbS, with a focus on building the business case, implementing hybrid solutions and their long-term operation and maintenance.</p> <p>Livestream: Live Stream - COP27 Resilience Hub (cop-resilience-hub.org)</p>	Wednesday, 16 November, 17:00-18:00	Resilience Hub
MTCC Africa & IMO CARES			Wednesday, 16 November 5:00-6:00 PM	African Pavilion
Radical Collaboration for a zero-emission, resilient maritime sector			Wednesday, 16 November 5:00-6:30 PM	Action Room 2
COP27 Virtual Ocean Pavilion High-Level Closing Event: Raising Unity in Ocean-Climate Action	Global Ocean Forum and Plymouth Marine Laboratory in collaboration with IOC-	This closing event of the COP27 Virtual Ocean Pavilion will look to discuss the collaborative and cooperative approaches that are being used to progress the ocean in the climate, biodiversity and sustainable development agendas considering the outcomes and expectations from the major ocean	Wednesday, 16 November 5:00 – 6:30 PM	<u>COP27 Virtual Ocean Pavilion</u>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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	UNESCO; One Ocean Hub; Ocean & Climate Platform, OACPS	events of 2022. It will include high level interventions, personal experiences and messages across the age spectrum and give examples of collaborative undertakings at the local to global level. Lastly the session will review the role and success of this COP27 Virtual Ocean Pavilion in engaging and reaching out to those not able to attend COP27, indeed in its role of democratizing the ocean at COP27 and promoting unity and inclusivity.		
Deep sea mining? A climate hazard	Organized by the Deep Sea Conservation Coalition, in collaboration with the Ministry of Foreign Affairs of Chile, with participation of the Chilean Environment Minister Maisa Rojas		Wednesday, 16 November 5:00-6:30 PM	Chile Pavilion
Accelerating the Path to Paris-Aligned Maritime GHG Emissions by 2050 through Cross Value Chain Collaboration	US		Wednesday, 16 November 5:30-6:30 PM	US Pavilion
Building African urban resilience during a climate emergency	Ms. Meggan Spires (ICLEI-Local Governments for Sustainability) Email: meggan.spires@iclei.or	African cities (of all sizes) are experiencing unprecedented climate change impacts now. Unlocking finance, tackling food and water insecurity, and protecting nature and our oceans, are central to building resilience in some of the world's most vulnerable locales.	Wednesday, 16 November 6:30 – 8:00 PM	Blue Zone Room: Hatshepsut (300)

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

Event Title	Event Organizer(s)/ Contact Person(s)	Event Description	Date & Time (EET)	Location
	<p>g Phone: +27 71 1047856</p> <p>Mr. STEPHANE POUFFARY (Energies 2050) Email: stephane.pouffary@ener gies2050.org Phone: +33 6 80319189</p> <p>M. Théophile Bongarts- Lebbe (Plateforme Océan et Climat) Email: tbongarts@ocean- climate.org Phase: +33 75000 659525400</p> <p>Ms. Nisrine Bennani (United Cities of Local Governments of Africa) Email: nbennani@uclga.org Phase: +212 661 486849</p>	<p>Speakers: Speakers: Governor of South Sinai, Mayor of Chefchaouen, Mayor of Lusaka, IPCC WG II co-chair, President of AfDB, CEO of DBSA, FAO Regional Representative for Africa, Head of Cities Biodiversity Center Respondents: Minister of Environment, Egypt, Chair of the African Group of Negotiators</p>		
<p>Pacific Ocean: A Climate Change refuge</p>	<p>yacqueline.montecinos @wwf.ck</p>	<p>This event will visualize the reasons why we should care about the protection of the Pacific Ocean, in a coordinated intergovernmental way, based on all the biodiversity this ocean hosts and its value in terms of carbon sequestration.</p>	<p>Wednesday, 16 November 7:00 PM</p>	<p>Chile Pavilion</p>

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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Scaling-Up Investment in Nature-Based Solutions: Challenges and Opportunities	Government of Canada	This panel event will include participation by high-level speakers, representing governments and a variety of organizations, and focusing on the importance of scaling-up finance and investment in nature-based solutions (NbS) to meet our climate and biodiversity goals. Panellists, which include the Global Fund for Coral Reefs, will present their views on current challenges and barriers to mobilizing investment, and the potential opportunities and solutions for overcoming them, including by showcasing innovative and high-potential approaches that can help unlock increased investment to support the global scale-up of NbS.	Wednesday, 16 November 10:15 AM	Canada Pavilion
Sea View: Enhanced Ocean Observations	UK	Ocean observations have a critical role to play in our response to climate change. This event will explore the role of ocean observations in driving effective climate action and how the UN Decade of Ocean Science for Sustainable Development can be used to foster greater global collaboration on ocean observations.	Wednesday, 16 November 13.00-14.00	UK Pavilion, Blue Zone Watch the event live: https://youtu.be/TjgSyzVwv9E
Responding to Ocean Deoxygenation: Using what the science tells us to motivate policy and management action	Scripps Institution of Oceanography, UC San Diego	Calling all leaders and decision-makers who work on ocean-climate issues! Let’s talk about ocean deoxygenation (the decline in dissolved oxygen levels occurring throughout the world’s oceans). Here, expert panelists will summarize the effects of ocean deoxygenation on organisms and ecosystems, followed by a discussion of key policy and management actions that can be taken for mitigation and adaption. At the end of the panel, there will be	11/16/2022 09:00AM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		time dedicated for audience feedback and a Q & A session.		
Blue Climate Solutions: Considering the ocean’s role in our path to net negative emissions	Woods Hole Oceanographic Institution (WHOI)	Every path to a sustainable climate future must pass through the ocean. We will discuss the scientific basis for ocean-based carbon dioxide removal (CDR) approaches to complement deep emissions reductions, as well as the research agenda, governance structure, investment needs, and ethical framework necessary to ensure a sustainable climate future for all.	11/16/2022 10:30AM	Ocean Pavilion, Blue Zone
Models for Reducing Risk: Oceans, Vulnerability, and Climate Solutions	Silver Lining	Sea level rise, more intense storms, and other changes in marine environments due to climate change are increasing risks for coastal and island communities around the world. With complementary perspectives from impacted communities, climate science, and international law, this session explores new models that incorporate climate justice and cutting edge climate science to help protect the world’s most vulnerable people and ecosystems.	11/16/2022 12:00PM	Ocean Pavilion, Blue Zone
Towards the establishment of a circular economy for the sustainable management of plastic waste on beach and ocean ecosystems	The Mohammed VI Foundation for Environmental Protection	<p>Having set the following objectives for each summer period</p> <ul style="list-style-type: none"> • 1 - 10 tones less plastic waste per beach ; • 2 Recycle all collected plastic 2 Implement 40,000 environmental awareness actions; • 3 mobilize 2 million young people <p>The operation (#SeaswithoutPlastic), initiated by the Foundation’s Seas & Oceans Pole, including more than 106 member beaches, has been able to set up an operating mode rallying the private sector, civil society, academics and institutions around the same objective.</p>	11/16/2022 01:30PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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Ocean acidification: what is happening in our ocean and why this matters	National Oceanography Centre (NOC)	<p>As the ocean absorbs more and more carbon dioxide, it becomes more acidic. This impacts on all marine life, especially organisms like oysters and corals that make hard shells and skeletons by combining calcium and carbonate from seawater. This event aims to explain what is happening in our ocean, the importance of continual monitoring and the true impacts changes could have on our planet.</p> <ul style="list-style-type: none"> • Prof Angela Hatton, Director of Data, Science and Technology and Chief Scientist, NOC (chair); • Prof Steve Widdicombe, PML • Dr Lisa Levin, Scripps and the Deep-Ocean Stewardship Initiative (DOSI) • Dr Kirsten Isensee, Programme Specialist, Intergovernmental Oceanographic Commission (IOC) of UNESCO • Prof Amr Hamouda, President of National Institute of Oceanography and Fisheries (NIOF) 	11/16/2022 03:00PM	Ocean Pavilion, Blue Zone
Seabed 2030 - Mapping for People and Planet	Nippon Foundation	<p>The session will:</p> <ul style="list-style-type: none"> • Consider the benefits of seabed mapping to the sustainable blue economy, blue carbon projects, and fisheries management in the face of a climate emergency. • Provide participants with a holistic view of how Seabed 2030 is engaging with partners, including those in government and the private sector, and demonstrate where there are strategic opportunities for collaboration. 	11/16/2022 04:30PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		Aim to encourage and inspire global stakeholders to mobilise across sectors so that we can collectively find solutions that enable 100% of the ocean to be mapped.		
Indigenous Knowledge, Community-based Art Practice and Inclusive Ocean Governance: A Case Study from Vanuatu	Senia Febrica, One Ocean Hub senia.febrica@strath.ac.uk	<p>This session presents Netai en Namou Toc (Stories of Mother Ocean), a newly published illustrated children’s book produced by the Erromango Cultural Association in collaboration with One Ocean Hub’s Deep Emotional Engagement Programme (DEEP) Fund. The book harnesses the rich artistic and cultural heritage of Erromango, a southern island of Vanuatu, to record, preserve and promote indigenous knowledge, custom stories and oral histories relating to the ocean.</p> <p>As Pacific Island States mitigate unprecedented oceanic damage and loss, the session champions the importance of intergenerational traditional knowledge transmission to empower youth and bolster resilience. Bringing together representatives from academia, civil society and government, the session advocates community-based art practice as an inclusive research methodology that provides opportunity for equitable participation of grassroots organisations who are often excluded from international dialogue and debate about ocean policies.</p> <p>The pressing need to include diverse knowledge systems in strategies of adaptation is advocated, as is the role of intangible heritage to assert cultural rights to environmental ecosystems. Against a backdrop of sea level rise, ocean acidification and prospective deep-sea mining, the session advances</p>	Thursday, 17 November 10:00 AM	Moana Blue Pacific Pavilion, Blue Zone

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		arguments for the incorporation of Pacific knowledge in national, regional and international policies to ensure ocean sustainability and posterity.		
Hybrid Event: Oceans in climate negotiations: What role for blue foods?	European Parliament Intergroup on Climate Change, Biodiversity, and Sustainable Development Ilias Grampas ilias.grampas@ebcd.org	Oceans have officially entered the climate negotiations; this became a reality at the 2021 UN Climate Conference (COP26) held in Glasgow, UK. With this recent innovation in climate diplomacy, a key question is how blue foods fit in the negotiating package, especially in the context of COP27. Aquaculture and fisheries have been so far left out of the UN climate talks; yet, they are impacted by the consequences of climate change on marine biodiversity and ocean infrastructures. At the same time, they have the potential to contribute to climate solutions by identifying and adopting a number of mitigation and adaptation options. This event aims at shedding light about what blue foods can do for the climate, if properly involved. Furthermore, it provides elements to climate negotiators and other stakeholders attending COP27 with relevant information on fisheries and aquaculture in the context of climate change.	Thursday, 17 November 10:30 AM	European Parliament, Brussels – Room ASP 5G1 Online: https://ebcd.org/events/hybrid-event-oceans-in-climate-negotiations-what-role-for-blue-foods/
Deep-Sea Mining: A Test Case for the Ocean, Climate and Biodiversity Nexus	Deep Sea Conservation Coalition	The DSCC is organizing a facilitated panel discussion with ocean advocates, scientists and political voices urging action to prevent deep-sea mining from happening unless and until a series of key conditions around governance, scientific uncertainty, environmental protection, and social licence are addressed. As an alternative we will explore instead the possibilities for a well resourced, coordinated and sustained deep ocean	Thursday, 17 November 3:00-3:55 PM	Pacific Pavilion

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		research agenda for the Pacific region, with generational capacity building at its core.		
Deep Ocean, the Decade, and Climate Change: Mitigation, Impacts, Adaptation, and Interventions	Scripps Institution of Oceanography, UC San Diego	The deep sea (below 200 m) covers 40% of the planet and comprises over 95% of habitable volume. Most of the ocean is deep ocean, and it plays an outsized role in carbon and heat sequestration. In this session we highlight the Decade for Ocean Science contributions to understanding deep ocean mitigation, ecosystem impacts adaptation potential, climate solutions, ocean-based climate intervention consequences and opportunities for finance.	11/17/2022 09:00AM	Ocean Pavilion, Blue Zone
Coastal Resilience and Risk: The Ocean-Insurance Nexus	Scripps Institution of Oceanography, UC San Diego	Join us as we unlock the promise of insurance and natural ecosystems as resilience tools to address climate threats facing the ocean and coastal communities. We will cultivate a cross-sector network among the insurance industry, climate finance, science, and social and environmental advocacy in order to build momentum for collaboration and the exchange of ideas. We seek international input and alignment in designing scalable and transferable pilot projects.	11/17/2022 10:30AM	Ocean Pavilion, Blue Zone
Raising ocean awareness and engagement	Scripps Institution of Oceanography, UC San Diego; Woods Hole Oceanographic Institution (WHOI); OceanX	The ocean is our planet’s life support system, makes existence as we know it possible, and may hold solutions to some of our most pressing environmental issues. Yet, research shows the public's understanding of the ocean remains low. Hear from top ocean science and exploration organizations on what they're doing to raise awareness, inform, and engage the public about our ocean and its connection to climate, why it is	11/17/2022 12:00PM	Ocean Pavilion, Blue Zone

COP27 Virtual Ocean Pavilion: Ocean and Ocean-Related Events at COP27 (as of 13 November 2022)

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		critical to do so, and what we can do to turn awareness into action.		
Where the Wild Things Are: What lives in the ocean's midwater and how can it help us address the climate crisis?	Woods Hole Oceanographic Institution (WHOI)	The ocean's mesopelagic, or twilight zone, is a critical link in both the global carbon cycle and marine food webs, but it is under-explored and poorly studied. We will discuss efforts to better understand what constitutes one of the largest living spaces on Earth, a massive storehouse of fish protein, as well as a fundamental part of the long-term sequestration of carbon in the deep ocean, using new tools and techniques to support informed decision-making.	11/17/2022 01:50PM	Ocean Pavilion, Blue Zone
Ocean observations for climate change: How do we train and educate the next generation of scientists and citizens?	Partnership for Observation of the Global Ocean (POGO) Sophie Seeyave, POGO ssve@pml.ac.uk	We will focus on the crucial elements that are capacity development and ocean literacy, key to implementing a truly global ocean observing system. We will provide examples of successful initiatives and showcase efforts to increase societal awareness of climate change and its intrinsic link to the ocean. Panellists will discuss the challenges of training the next generation of ocean observers, of bringing ocean observations to the classroom and of highlighting their importance to policy makers.	11/17/2022 03:00PM	Ocean Pavilion, Blue Zone
A Global Opening of Science	American Geophysical Union (AGU)	Open Science has the potential to rewrite research. As the Year of Open Science is set to kick off formally in 2023, we take a look at how this could be a transformative moment for the study of our oceans.	11/17/2022 04:00PM	Ocean Pavilion, Blue Zone
Next Generation of Leaders in Ocean Science: Putting Science into Action	Scripps Institution of Oceanography, UC San Diego; Woods Hole Oceanographic Institution (WHOI)	Young ocean leaders were born into a world where the impacts of climate change are intensifying, as if handed a time-bomb with only seconds left to defuse. This has motivated young researchers to envision their careers very differently from their	11/17/2022 04:30PM	Ocean Pavilion, Blue Zone

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		predecessors. This session will feature early-career scientists who are navigating climate activism, how to use their research to inform climate policy, and how to bring diverse voices into science and solutions.		
OneOceanScience, a digital world tour of ocean and climate sciences	UN Ocean Decade; IOC-UNESCO; National Institute for Ocean Science (IFREMER) emmanuelle.platzgummer@ifremer.fr	OneOceanScience brings together representatives of marine research organizations around the world, to share knowledge of the interactions between the ocean and climate, and show how science can help decision-making by providing a degree of certainty to what is to come. 37 ocean experts from 34 countries call upon the international community to remind us that the ocean is not just a victim of climate change but also a key source of solutions.	11/18/2022 09:00AM	Ocean Pavilion, Blue Zone