

UNFCCC COP27 Official Side Event on

Coordination and Collaboration towards Ocean Blue NDCs

Tuesday, 15 November, 1:15 – 2:45 PM Eastern European Time

Blue Zone (Room: Memphis)

Co-organizers:

Government of Fiji

Global Ocean Forum (International Coastal and Ocean
Organization)

Réseau Océan Mondial (World Ocean Network), Belgium
and Nausicaá Centre National de la Mer, France

Urban Coast Institute, Monmouth University

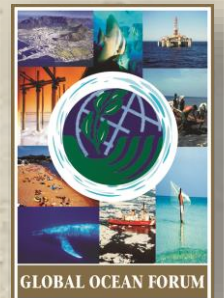
Organization of African, Caribbean and Pacific States

French Biodiversity Agency (OFB)

Center for Coastal Studies

Acadia University

world ocean
network



AGENDA



- ***Opening Introduction***, Mr. Richard Delaney, Senior Policy Advisor, Center for Coastal Studies, Moderator

Incorporating ocean-climate action in NDCs: Prospects and Opportunities

- ***Government Perspective***, H.E. Mr. Satyendra Prasad, Ambassador and Permanent Representative of Fiji to the United Nations in New York and Fiji's Non-resident High Commissioner to Canada
- ***Financing perspective:***
 - ***Illustrative initiatives on nature-based and other coastal sustainable solutions and the links between ocean preservation and climate***, Mrs. Stéphanie Bouziges-Eschmann, Secretary General, French Facility for Global Environment (FFEM))
 - ***The strategic role and importance of startups:*** Mr. Matthew Bray, Co-founder and CEO, Brayfoil Technologies, a representative startup from OceanHub Africa

AGENDA



- **Q&A, Moderator:** *Dr. Indumathie Hewawasam, President, Sustainable Oceans and Coasts LLC*
- **Promoting collaborative ocean-based climate solutions - sub-national/regional perspective:** *Mr. Tony MacDonald, Director, Urban Coast Institute, on the Mid-Atlantic experience*
- **Promoting ocean-based climate solutions through universities and other academic and research institutions:** *Dr. Peter Ricketts, President, Acadia University*
- **The role and opportunities for the youth in promoting ocean-based climate solutions:** *Ms. Anna Maria Marino, Liaison Officer on Arctic and Oceans, Youth and Environment Europe and Youth4Ocean Forum*
- **Q&A, Moderator:** *Mr. Richard Delaney*
- **Wrap-up:** *Dr. Indumathie Hewawasam and Mr. Richard Delaney*



**Mr. Richard Delaney, Senior Policy Advisor
Center for Coastal Studies**

Introduction to the side event



H.E. Mr. Satyendra Prasad, Ambassador and Permanent Representative of Fiji to the United Nations in New York and Fiji's Non-resident High Commissioner to Canada

Government Perspective - Incorporating ocean-climate action in NDCs: Prospects and Opportunities



**Mrs. Stéphanie Bouziges-Eschmann,
Secretary General, French Facility for
Global Environment**

***Financing Perspective: Illustrative initiatives
on nature-based and other coastal sustainable
solutions and the links between ocean
preservation and climate***





**Mr. Matthew Bray, Co-founder and CEO,
Brayfoil Technologies, a representative
startup from OceanHub Africa**

***Financing Perspective:
The strategic role and importance of
startups***



**Mr. Tony MacDonald, J.D., Director
Urban Coast Institute, Monmouth University**

***Promoting collaborative ocean-based
climate solutions - sub-national/regional
perspective, the Mid-Atlantic example***



**Dr. Peter Ricketts, President and Vice
Chancellor, Acadia University
Board Director, Global Ocean Forum**

***Promoting ocean-based climate solutions
through universities and other academic and
research institutions***



Promoting Ocean-Based Climate Solutions through Universities and Other Academic and Research Institutions

November 15, 2022

Dr. Peter Ricketts
President and Vice-Chancellor



ACADIA
UNIVERSITY

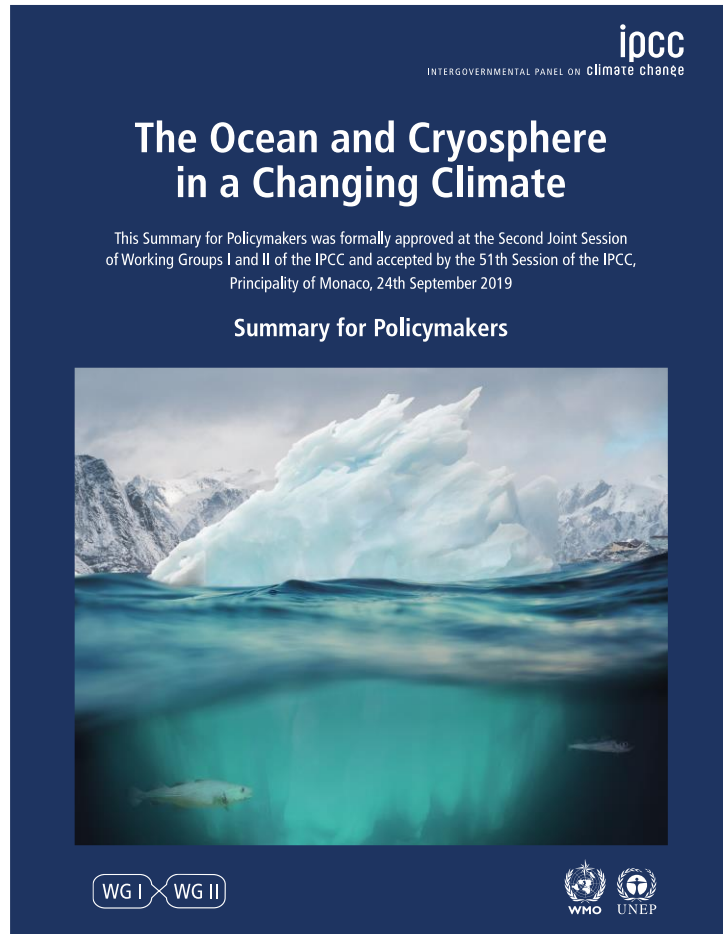
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- **Agenda**
 - **IPCC – Global Collaboration**
 - **Global Ocean Universities and Institutes**
 - with support of Dotun Olutoke, MCD graduate student, Acadia University)
 - **Examples of Collaborative Climate Adaptation and Mitigation Initiatives**
 - **Canada Maritimes – Ocean and Coastal Universities and Institutes**
 - **Program Example – Maritime Security**

Intergovernmental Panel on Climate Change (IPCC) Reports

- Created in 1988, the IPCC is the source for much scientific data and information on climate change and its causes and impacts since its first report in 1990
- Massive collaborative effort across 195 member countries, involving thousands of scientists and researchers from academic, government, and non-government agencies, institutions, and organizations



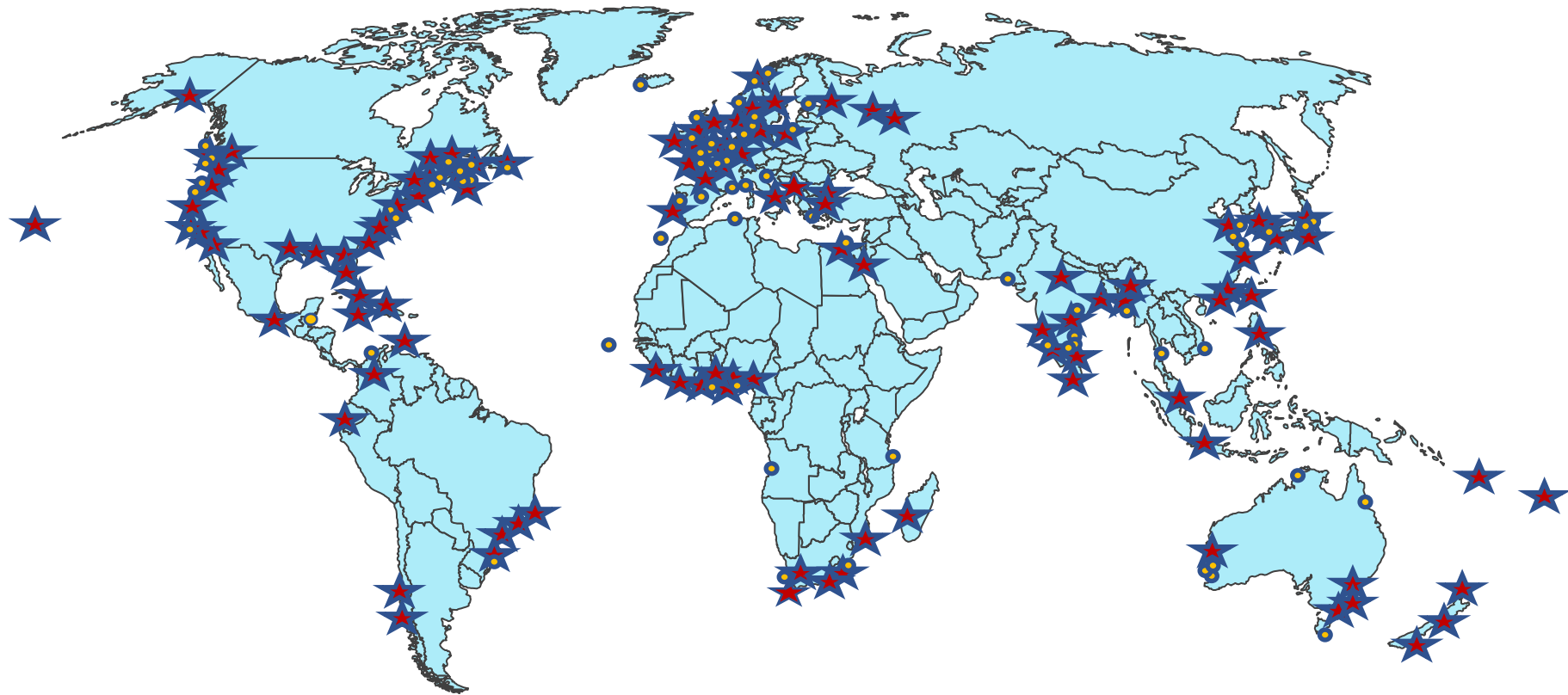
2019 IPCC Special Report on The Ocean and Cryosphere in a Changing Climate (SROCC)



- Major scientific assessment of the role of oceans and ice in climate change and the related impacts and risks
- The IPCC received a total of **569 nominations from 57 countries**
- **101 experts from 41 countries** were invited to take on roles in the *Special Report on the Ocean and Cryosphere in a Changing Climate*
- **86 were Coordinating Lead Authors and Lead Authors** with the collective responsibility for the contents their assigned chapters in the report
- **15 of the experts are Review Editors** to ensure that all substantive comments during the review stages are given appropriate consideration by the Authors
- **36% of the selected experts from developing countries and countries with economies in transition**
- **64% from developed countries**
- **31% were women and 69% men**

Ocean and Coastal University and Research Institutes

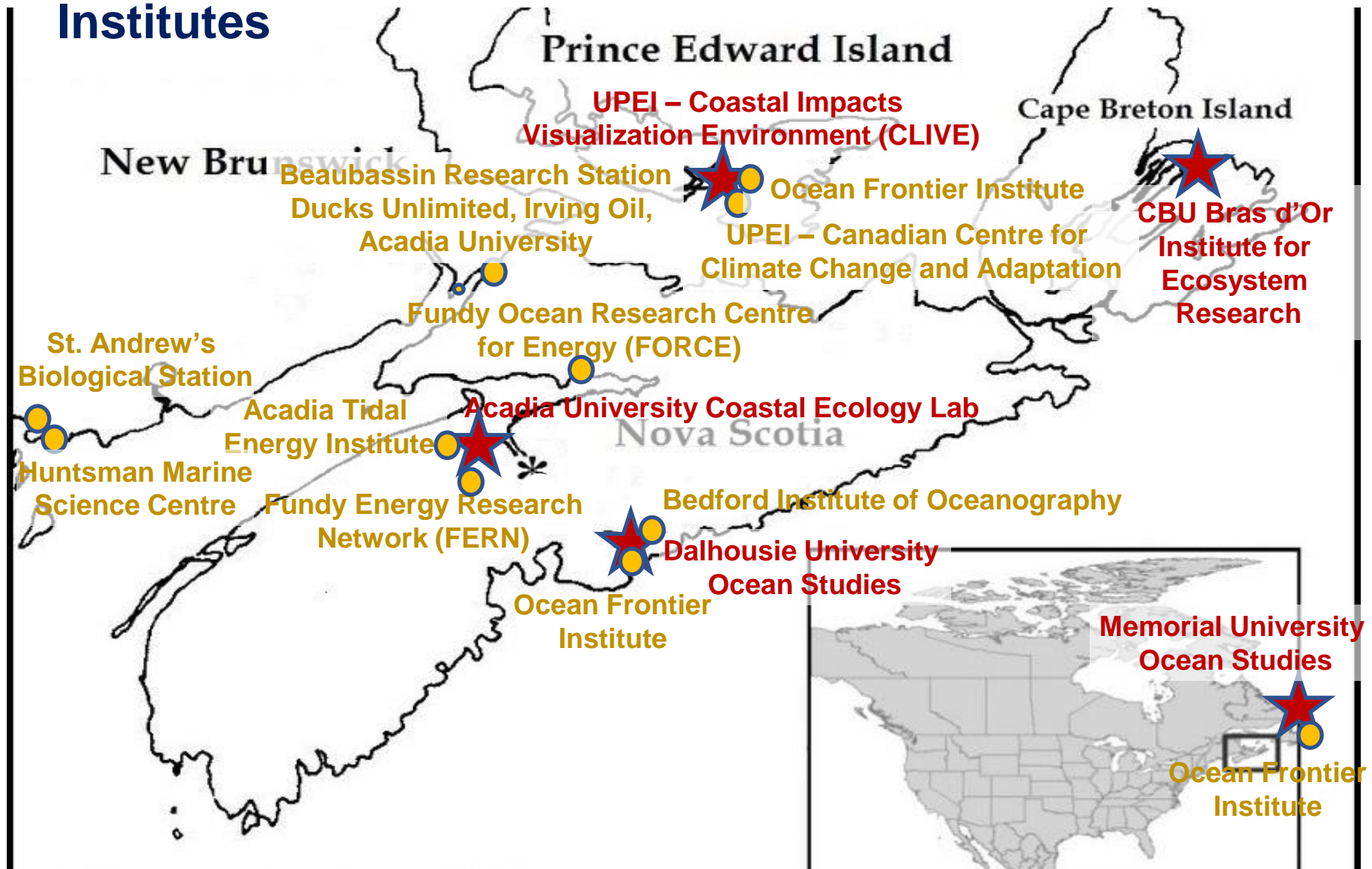
(with support of Dotun Olutoke, Acadia University)



Examples of Collaborative Adaptation and Mitigation Initiatives

Indian Ocean/ Bay of Bengal	Pacific Ocean	Atlantic Ocean	Caribbean Sea	Arctic Ocean	Mediterranean Sea/ Black Sea
<p>Bangladesh Storm surge and flood protection through the construction of cyclone shelters and embankments.</p> <p>Coastal Community Resilience Project to increase the resilience of coastal communities in Bangladesh and improve the adaptive capacities of the most vulnerable groups in society</p> <p>India Governance and scientific approaches through Integrated Coastal Zone Management (ICZM) for all Indian states to increase coastal sustainability in context of climate change.</p> <p>CO₂ Emission Reduction through Seagrass and Mangrove Carbon Sequestration: numerous projects on conservation and restoration of degraded blue carbon ecosystems, including 5,403 km² of mangrove forests and 518.22 km² of seagrass beds, along the Indian coast.</p>	<p>Marshall Islands Raising Land Elevations against sea-level rise.</p> <p>Indonesia Protecting Jakarta from submergence due to sea-level rise and submergence.</p> <p>Tuvalu, Nauru, and Kiribati Collaborative project to improve capacity to manage bilateral migration induced by climate change impacts.</p> <p>South Pacific The Pacific-European Union Marine Partnership Programme (PEUMP) is a multilateral fund financed by the European Union (EU) and the Swedish International Development Cooperation Agency (Sida) aiming at building sustainable fisheries in the Pacific region. The PEUMP project is being implemented by USP's Institute of Marine Resources</p>	<p>European Union Climate Change and Coastal Data and Information Centres: MyCOAST Project 2017-2020.</p> <p>United States, New England Community-based Coastal Adaptation and Conflict Management: New England Climate Adaptation Project.</p> <p>Brazil Atlantic Coastal Forest Restoration Project 2013 to 2020 and ongoing restoration supported by the Brazilian Coalition on Forests, Climate and Agriculture..</p> <p>Atlantic Canada Fundy Ocean Research Centre for Energy (FORCE): collaboration with Offshore Energy Research Association (OERA) and Acadia Tidal Energy Institute, plus private and public sector partners.</p> <p>Ocean Supercluster Initiative: consortium of businesses, post-secondary institutions and non-profits collaborating to accelerate innovation and sustainable economic growth from Canada's oceans</p>	<p>Belize/Barbados Caribbean Community Climate Change Centre coordinates the regional efforts to manage, adapt and build resilience to the impacts of global climate change.</p> <p>Dominica Climate Resilience Execution Agency of Dominica (CREAD) national strategy to make Dominica the world's first "Climate-Proof" country.</p> <p>Colombia Carbon Capture through Mangrove and Coastal Wetland Conservation and Restoration in Cispatá: collaboration between Conservation International, CVS (Corporación autónoma regional del Valle del Sinú), and the INVEMAR Research Institute.</p> <p>Cuba Local Integrated Coastal Zone Management in Southeast Cuba (COSTASURESTE (2010-2015): integrated coastal zone management and protection from climate change impacts; collaboration of Dalhousie University (DU) and universities and municipal partners.</p>	<p>Canada & US/Alaska Indigenous and community-based adaptations to hunting and subsistence practices.</p> <p>Canada The National Inuit Climate Change Strategy develops strategies for regional and community-based sustainable energy. The National Inuit Strategy on Research (NISR) targets traditional knowledge, govt, academia, and research institutions and identifies areas for partnership and action</p> <p>Circumpolar Arctic - Canada, US, Europe Atlas of Community-Based Monitoring and Traditional Knowledge in a Changing Arctic: multi-national agency and university collaborative platform.</p> <p>Norway Centre for the Ocean and the Arctic in Tromsø report (2019) analyzing the challenges and opportunities associated with further development of a sustainable blue economy in the Norwegian Arctic.</p>	<p>Egypt Protection of coastal cities (e.g. Alexandria) and coastal zones from sea-level rise and reduced water supply:</p> <p>Italy Venice's "Moses" Project: The "Moses" barrage system became operational in July 2020 when the 78 barriers were raised for the first time.</p> <p>Mediterranean Mediterranean Action Plan (MAP): Established in 1975 under the UNEP Regional Seas agreement includes increased carbon sequestration through seagrass and coastal wetland restoration beyond Marine Protected Areas; involves numerous partnerships with NGOs, IGOs, research universities, centres and and institutes.</p> <p>Black Sea Strategic Action Plan (2009) for the Rehabilitation and Protection of the Black Sea adopted by all coastal countries; numerous university and research institute partners to support ecosystem approach for climate mitigation through conservation and restoration initiatives.</p>

Canada Maritimes – Ocean and Coastal Universities and Institutes



PROFESSIONAL CERTIFICATE IN MARITIME SECURITY PROGRAM (PCMS)

- Maritime security is the provision of protection for people, operations and infrastructure from actions that might destroy, adversely modify, or disrupt them.
- PCMS is a university-industry-professional partnership:
 - Acadia University
 - Irving Shipbuilding Inc.
 - International Association of Maritime Security Professionals (IAMSP)



“Coastal nations can ill afford to suffer losses or disruptions in the maritime sector. The Professional Certificate in Maritime Security Program is a significant step for practitioners ready to take on the new challenges confronting maritime security.”

Allan McDougall, Chief Learning Officer – IAMSP

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- Contribute to sound practices across the profession of maritime security consistent with national and international policies, standards, and directives
- Addresses linkage between climate change and maritime security
- Part-time, online asynchronous
- 18–24 months – will vary depending on course load
- Courses taught by leaders in maritime security
- Visit the Virtual Ocean Pavilion (VOP) Acadia University Booth

An aerial photograph of the Acadia University campus in Nova Scotia, Canada. The image shows several large, historic red-brick buildings with white trim and multiple windows. A prominent building in the foreground features a large glass-enclosed walkway. The campus is surrounded by lush green trees and lawns. In the background, a wide river or bay flows through a green landscape towards distant hills under a soft, hazy sky. The text "Thank You" is overlaid in the center in a large, white, sans-serif font.

Thank You





**Ms. Anna Maria Marino, Liaison Officer on
Arctic and Oceans, Youth and Environment
Europe and Youth4Ocean Forum**

***The role and opportunities for the youth
in promoting ocean-based climate
solutions***



Q&A