

Agenda item 4(a)iv.

# Innovative approaches for adaptation technologies

Technology Executive Committee, 23<sup>rd</sup> meeting

7– 10 September and 13 September 2021 – virtual meeting



**Aasha Subedi**, UNFCCC secretariat  
**Emily Goodwin**, IUCN

## Background

- At TEC 22
  - Secretariat presented
    - a) report of launch of Technology Day and the first thematic session on climate smart agriculture (Nov 2020)
  - IUCN and NWP presented
    - a) concept note for the Technology Day 2021 thematic session on coastal and ocean adaptation
    - b) potential collaboration of the TEC with IUCN FEBA and NWP
  - The TEC requested the task force on innovation to continue guiding the preparation of the event intersessionally

### September 2021 (IUCN WCC)

**Event 1:** Ecosystems and Technology: Innovative Approaches to Strengthening Coastal and Ocean Adaptation (Completed)

### November 2021 (IUCN Pavilion at COP26- tbc)

**Event 3:** focus on how to build capacities to implement EbA Ocean including capacities to access finance and technologies



### October 2021 (SBSTA workplan under NWP)

**Event 2:** focuses on exchange and interaction with Parties and Non-Parties stakeholders and UNFCCC mechanisms on potential uptake of the approaches to support countries implementing their NAPs and NDCs

# Ecosystems and Technology: Innovative Approaches to Strengthening Coastal and Ocean Adaptation

Monday 6 September 2021

In parallel with the IUCN World Conservation Congress  
And part of the UNFCCC TEC "Technology Day" series of events



**FEBA**  
Friends of Ecosystem-based Adaptation



**United Nations**  
Climate Change

**NAIROBI WORK**  
PROGRAMME

**TEC**



The objective of the event was to present and discuss state-of-the-art learning and examples from integrating joint approaches of both technology and ecosystem-based adaptation in order to build the resilience of oceans and coastal ecosystems and communities, in particular to:

- (a) Identify emerging technologies and hybrid approaches that have high potential to meaningfully build resilience in ocean and coastal settings;
- (b) Showcase and discuss various innovative approaches for integrating technological and nature-based solutions, including examples in both policy and practice;
- (c) Explore how indigenous and local knowledge has been integrated into developing or promoting hybrid solutions for adaptation;
- (d) Highlight the importance of safeguards for climate technology, including gender responsiveness and consideration of youth, indigenous and other historically marginalized perspectives.





## Expert Speakers:

- *Kinga Ludmilla Csontos, TEC*
- *Dr. Hans-Otto Pörtner, IPCC*
- *Ali Raza Rizvi, IUCN*
- *Patrycja Enet, EU MSP Assistance Mechanism*
- *Emily Corwin, Director of Nature-based Engineering Solutions, CI*
- *Sylvester Wong, Vice President of Asia Pacific, AECOM*
- *Dr. Vivien Gornitz, NASA*
- *Serena Heckler, UNESCO*
- *Rojina Manandhar, UNFCCC Secretariat*
- *Wanna Tanunчайwatana, UNFCCC Secretariat*





## Notable quotes:

- *“The turning point is for the public sector to start designing, investing and building outside of the comfort zone that people have now.” – Emily Corwin, Conservation International*
- *“This is an issue of entrepreneurial urgency. It’s not just about physical solutions; it’s about people and financial infrastructure as well.” – Sylvester Wong, AECOM*
- *“Lets revitalise the knowledge that people have in their communities. People have the knowledge, and they are observing the changes... let’s work on that and work together to build that.” – Serena Heckler, UNESCO*





## Key takeaway messages:

- The overlap of technology and ecosystems is an expansive area that holds solutions which can be needs-based, data-driven and respond to the localised and moving target that climate change presents.
- Technological and nature-based solutions must come together if we are to address climate change adaptation and mitigation in a holistic manner. The two approaches cannot reach their full potential in isolation.
- Innovative approaches and case studies *already exist* for integrating technological and nature-based solutions, including many informed by local knowledge, **but there is a need for political drive to carry these approaches forward.**





## TEC consideration

- The TEC is invited to:
  - take note of the oral report of IUCN WCC event
  - provide guidance on continued engagement on this theme and potential future collaboration to advance innovative adaptation technologies
    - **Proposed immediate plan**
      - Possible creation of a joint FEBA working group on advancing innovative adaptation technology, in collaboration with the TEC and the NWP
      - Policy brief leading to recommendations to the COP

*Thank you!*



***Aasha Subedi, UNFCCC secretariat***  
***Emily Goodwin, IUCN***