

Agenda item 5(b).iii

Joint work with the Executive Committee of the Warsaw International Mechanism on Loss and Damage

Technology Executive Committee, 19th meeting
Bonn, Germany, 16–19 September 2019



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1. Background

- In 2018 TEC and ExCom agreed to develop a joint policy brief on *Technologies for averting, minimizing and addressing loss and damage in coastal zones*
 - ✓ The topic reflects common areas of interest of two bodies
 - ✓ The preparation of the joint policy brief will be coordinated by a TEC-Excom joint working group
 - ✓ Experts in relevant fields will be engaged on a voluntary basis
- TEC 18 agreed to the outline of the policy brief, and endorsed the co-organization of Expert Dialogue to support development the policy brief

2. Agreed outline of the joint policy brief (recap)

Chapter 1 – Introduction

Brief overview on: types of loss and damage, comprehensive risk management, recovery and rehabilitation in coastal zones, and technology categorisation (hardware, software, orgware)

Chapter 2 - Technologies for coastal zone risk assessment

Overview of types of technologies available to observe and assess climate impacts in the coastal zones, case studies, opportunities and challenges

Chapter 3 -Technologies for coastal zone risk retention

Overview of types of technologies available to manage and accommodate climate impacts in the coastal zones, case studies, opportunities and challenges

Chapter 4 -Technologies for recovery and rehabilitation

Overview of types of technologies available for recovery and rehabilitation in the coastal zones, case studies, opportunities and challenges

3. Expert Dialogue

- 17 June 2019 – in conjunction with SB 50 in Bonn, Germany
- Attended by TEC and WIM Excom members, Parties, observer organisations, 11 experts and practitioners as speakers/resource persons/contributors to policy brief
- Dialogue is structured around the 4 chapters of the brief
- Outcomes to feed into development of the brief



Technologies for risk retention

- Technological solutions exist to manage and adapt, ranging from climate-resilient housing, saline water purification, protection seawall, and mangrove green belt to prevent erosion
- There may not be ‘one-size fit’ solution for coastal protection
- Nature-based solution can help manage risks and strengthen nature



Technologies for recovery & rehabilitation

- Various measures including integrated solutions for flooded areas, re-building after hurricane, and enabling orgware for long-term implementation and maintenance
- Hardware, software and orgware are useful in implementing recovery and rehabilitation process



Challenges identified (cross-cutting)

- Lack of data
- Poor/insufficient capacity
- One size fits all approach would not work
- Technologies alone cant address issues
- Insufficient funding



Enablers identified to overcome challenges

- Partnership with various stakeholders, including business and private sector
- Involvement of local communities
- Indigenous and endogenous solutions are important elements to be taken into consideration
- Information on cost effectiveness of the approach
- Combine climate technologies with other technologies (e.g digital tech)

5. Preparation of draft joint policy brief

- Initial timeline anticipates a draft be presented at TEC19
- Due to various issues, including contribution is done on voluntary basis, the compilation of inputs for all four chapters took longer than anticipated
- Currently: Materials for chapters 1 & 2 have been collected, chapters 3 and 4 need more time
- Proposed revision to the timelines:

Activity	Original	Revised
Preparation of draft	July- August 2019	September - October 2019
Draft policy brief	TEC 19 (Sept 2019)	Excom 10 (Oct 2019)
Final inputs	Excom 10	TEC 20 (Spring 2020)
Release for publication	COP 25 (Dec 2019)	Post TEC 20 (spring 2020)

6. TEC consideration

- The TEC is invited to take note of the information provided and provide guidance on the further preparation of the joint policy brief and the revision of the timelines

Thank you!



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