United Nations Framework Convention on Climate Change

Agenda item 4.a.ii

Emerging climate technologies Report on thematic dialogues at APCW

Technology Executive Committee, 23rd meeting 7–10 September 2021 – virtual meeting



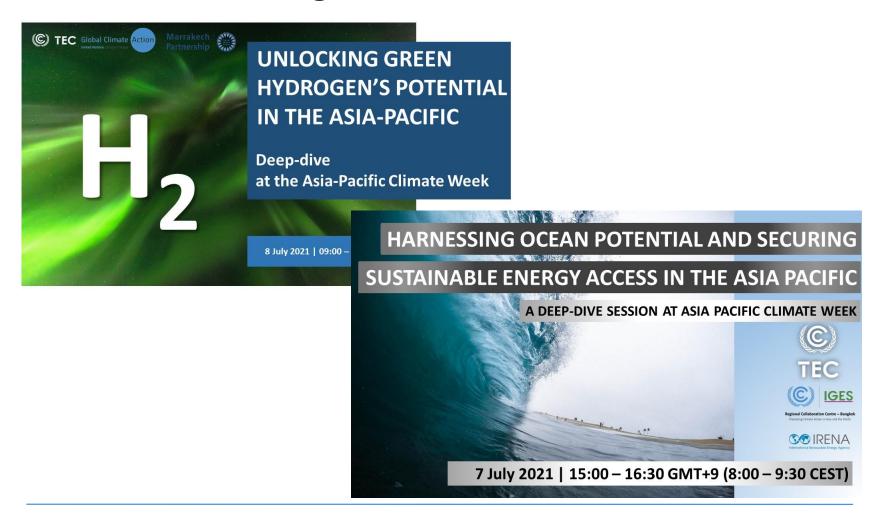
Background

As per activity 2 of the thematic area Innovation of its workplan 2019-2022, the TEC is to analyze **key emerging climate technologies**. This includes:

- A technical paper on emerging climate technologies in the energy supply sector; and
- Thematic dialogue(s) to organize in conjunction with regional climate weeks.



The thematic dialogues





Main outcomes on green hydrogen

- In the race towards a net-zero and resilient future, green hydrogen is becoming increasingly recognized as a viable solution. It is both technically and economically ready to be scaled up.
- While many countries' existing hydrogen strategies are rich in ambition, they are poor in policy detail, stressing the urgent need for joint public and private sector collaboration.
- There is a need to overcome social barriers to success and nurture a well-informed society that embraces the energy shift.



Main outcomes on ocean energy

- Offshore RE have huge potential with multiple co-benefits, particularly in SIDS, yet remain unexploited. This opens up the opportunity to promote innovation, research and development.
- The marine infrastructure of most countries in the Asia-Pacific region is not highly developed and demonstration projects are still small scale. This makes it difficult to predict possible environmental impacts and whether the projects can deliver the desired amount of energy.
- The need is for a local supply chain that can be established to bring down the cost of importing the necessary technology and skill sets needed to deploy the ocean energy technology.



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Thank you!

