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Ministerio
del Ambiente

SUBMISSION BY PERU

Subject: Submission on the 14th Research Dialogue

1. Summary Note

Peru strongly appreciates the work done in closing knowledge gaps and advancing research for supporting decision making. Therefore, the Peruvian government appreciates the organization of the 14th Research Dialogue organized by the SBSTA, and the opportunity to submit its views on possible themes for this event, recognizing the importance of promoting the exchange of usable and accessible scientific information and all relevant knowledge for policy in order to increase ambition under the Paris Agreement.

2. General comments on the Research Dialogue events

Having participated in the previous dialogues, Peru would like to suggest considering a more interactive session giving more time for a “dialogue”, which means for participants and presenters to have more time to deliver, address and discuss issues related to the themes.

3. Views on possible themes for the 14th Research Dialogue

Based on the general themes proposed in the past dialogues, Peru would like to propose some sub-themes under those.

- A. Theme 1. Climate system dynamics: New knowledge and its implications for decision making
 - Current impacts of human activities on tropical glaciers and mountain ecosystems.
 - Impacts of climate change in the Amazon region.
 - Gaps in the availability of climate data, processing tools, number of researchers and scientific production between the global South and North.
 - Advances in regional climate modelling and evaluation of uncertainties.
 - Processes, ecological impacts and projections associated with acidification and desoxygenation of the ocean.
 - Extreme marine events associated with climate change (e.g., hypoxia, algal blooms, marine heatwaves)
 - Impacts of El Niño and La Niña events in the Humboldt current system under climate change scenarios.
 - Status of regional atmospheric modelling in High Mountain regions.
 - Extreme events in South America under Climate Change scenarios.
 - Regional modelling of atmospheric circulation patterns.
 - Uncertainty management strategies in climate change scenarios for decision making.
 - Identification of applications of climate services aimed at adaptation and resilience.

- B. Theme 2. Resilience for and by nature: Building knowledge and understanding to weave the protection and restoration of nature into decision making on mitigation and adaptation



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- Contributions and feedback between scientific and ancestral knowledge.
- Inter-institutional management in monitoring and surveillance of El Niño for decision-making: ENFEN, the Peruvian experience.
- Adaptation to climate change of fishing communities.

In the same manner, Peru has also considered important the possibility to include a poster session to foster the exchange of views between climate scientists, Parties, and Observers. In that regard, Peru would highly appreciate taking into consideration the following scientific production of its technical bodies in relation to climate change research.

1. South Eastern Pacific Circulation from ARGO floats (SEPICAF) Project
2. Dynamical downscaling for regional scenarios over Peru to 2050
3. Oceanic extreme events associated to climate change off Peru
4. Inventory of tropical glaciers and glacial lagoons
5. Climate trends over Peru from 1965 to 2019.