

**SUBMISSION BY THE SENEGAL ON BEHALF OF THE LEAST DEVELOPED COUNTRIES (LDCS) GROUP ON RESEARCH AND SYSTEMATIC OBSERVATION: VIEWS ON POSSIBLE TOPICS FOR THE FOURTEENTH MEETING OF THE RESEARCH DIALOGUE TO BE HELD IN CONJUNCTION WITH SBSTA 56**

The Least Developed Countries Group (LDCs Group) welcomes the opportunity to submit their views on possible topics and considerations for the fourteenth meeting of the research dialogue to be held in conjunction with SBSTA 56. The LDCs Group looks forward to the event and suggests following themes for consideration:

- Update on scientific understanding on loss and damage including soil fertility loss, biodiversity loss and loss of immunity of human health based on the latest findings in the literature;
- Impacts of 1.5°C overshoot scenarios on the systems with large response times (e.g., ice sheet, glaciers, sea-level rise etc.) beyond 2100;
- Advancement in the understanding of detection and attribution of climate extremes to historical and future GHG emissions using latest generation of climate simulations;
- Analysis of the emission scenarios of latest submitted NDC's considering separately the conditional and unconditional commitment of the parties;
- Update on the impact of Covid-19 on GHG emission and global temperature rise.

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