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# UPDATES ON EMERGING SCIENTIFIC FINDINGS AND CLIMATE CHANGE RESEARCH OUTCOMES

Side event organized by the United Nations Framework Convention on  
Climate Change Secretariat

With contributions and participation of:



DIVERSITAS IGBP IHDP WCRP



## SBSTA research dialogue

- *Between Parties and regional and international climate change research programmes* -

- **Initiated in response to COP decision on research needs relating to the Convention (9/CP.11)**
- **Objective to regularly inform the SBSTA of developments in research activities relevant to the needs of the Convention**
- **Parties to inform research community on their research priorities**
- **Parties have emphasized the usefulness of continuous and enhanced dialogue between Parties and research programmes and organizations**



## Mandate

At SBSTA 32:

- Parties invited regional and international climate change research programmes and organizations to provide updated information on emerging scientific findings and research outcomes at SBSTA 33
- Side event to facilitate provision of such information



## **SUBMISSIONS FROM PARTIES** (UNFCCC/SBSTA/2010/MISC.12)

- Possible ways to enhance the research dialogue in the future
- Themes to be addressed in the workshop to be held in conjunction with SBSTA 34, including for example:
  - Research on matters relating to 1.5 degrees Celcius temperature increase limit
  - Advances in knowledge e.g. in the areas of ocean acidification, sea level rise
  - Gaps in knowledge, scientific uncertainties and possible priorities for further research, including for IPCC's AR5
  - Identifying scientific gaps and research needs relevant to the review of the LTG proposed under AWG-LCA



## SUBMISSIONS FROM RESEARCH PROGRAMMES AND ORGANIZATIONS

(SBSTA/FCCC/SBSTA/MISC.15)

- Updates include information on:
  - Capacity development for climate impact and vulnerability assessment; and APN Climate Synthesis (APN);
  - Climate change impacts on biodiversity and ecosystem services (DIVERSITAS);
  - Science updates emerging from research carried out by Global Change Programmes (ESSP)
  - Information on hurricanes and coastal zone vulnerability (IAI)
  - Ocean acidification; carbon cycle, terrestrial biosphere (IGBP)
  - Human security; urban areas; coastal vulnerability; capacity development (IHDP)
  - Activities and information on advancing climate science and providing information for decision makers (WCRP)

