

## **Vigyan Samachar: MoES News 05/10/2020**

### **International Virtual Conference on Earth's Changing Climate: Past, Present & Future (15-17 October 2020)**

The Society of Earth Scientists is going to organize an International virtual conference on Earth's changing climate: past, present and Future with co-sponsors Birbal Sahni Institute of Palaeosciences, Indian Institute of Tropical Meteorology (IITM), National Centre for Polar and Ocean Research (NCPOR), National Institute of Disaster Management, and National Institute of Advanced Studies during 15-17 October 2020.

The event aims to provide an opportunity to the scientists to present their ideas and discuss outstanding issue, identify knowledge gaps and plan to move forward to address issue such as human impacts and benefits; climate variability and change.

Following factors will be discussed in the conference:

- Palaeoclimate events/variability in Earth's geological history and associated disasters
- Quaternary climatic changes and climate cycles (land and ocean records);
- Anthropogenic interferences
- Extreme weather events; El Niño and La Niña episodes
- Natural variability in the climate system: Natural climate forcing (Solar and Volcanic variability; Earth's orbital changes)
- Environment and green energy: Actions by public and private sector industries
- Climate change and water resources
- Indian Ocean warming, coastal ecosystem and sea-level rise
- Teleconnection between Poles and Tropics
- Carbon budget: Emission space and Equity
- Priority Challenges to be addressed for SDGs: Climate Change; Healthy Oceans; water Security; Clean Air; Weather and Disaster Resilience;
- Sustainable Soil Management
- Disaster management and policy framework; Climate Actions: stock take in India

➤ COVID-19 impact on environment and future strategies

The conferences will help in understanding the processes that drive climate change which include tectonics, orbital change, ice ages, solar and volcanic forcing, and other human activities. This event provides an overview of all natural-human system issues related climate variability and change.

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