

National workshop on “Space based Information Support for Climate and Environment Studies”

July 18 – 19, 2022, New Delhi

Summary report

A two-day National workshop on “Space based Information Support for Climate and Environment Studies” under National Information System for Climate Sciences (NICES) programme was inaugurated by Shri S. Somanath, Chairman, ISRO/Secretary DOS at New Delhi on 18 July 2022. Dr. R. Krishnan, Director, IITM Pune was the guest of honour for the programme. Inaugural ceremony also saw presence of Scientific Secretary, ISRO, Mr. Shantanu Bhatwadekar, Director, NRSC, Dr. Prakash Chauhan and Deputy Director, ECSA, Dr Rajashree V Bothale. Indian climate research community provided key inputs for future NICES activities through more than 20 talks from the eminent scientists. Around 120 participants from 45 institutes/organizations participated in two days event.

The talks were organized in four plenary sessions where deliberations were held on climate and space based observations and satellite observations for climate change indicators. Expert talks on state of climate change over India, meteorological observations, space based climate observations were given. Other talks included land use land cover changes, forest ecosystem, Forest fire, water resource dynamics, snow and glacier melt runoff, glacial lake outburst floods, Himalayan cryosphere, Polar cryosphere, Himalayan geology, LST & heat wave, aerosol variability, greenhouse gas variability, meteorological observations, atmospheric lightning, extreme climate event, ocean climatic variables pertaining to Indian region, climate and environment studies over north-east regions of India. These sessions were chaired by Shri Shantanu Bhatwadekar, Scientific Secretary, ISRO, Dr. Kalachand Sain, Director, Wadia Institute of Himalayan Geology, Dehradun; Dr. Prakash Chauhan, Director, National Remote Sensing Centre, Hyderabad & Dr. A. K. Patra, Director, National Atmospheric Research Laboratory, Gadanki.

Chairman ISRO and other Chief Guests inaugurated the poster exhibition arranged during the workshop. Apart from posters on NICES products, posters indicating few studies from Space Application Centre (SAC), Ahmedabad and Indian Institute of Remote Sensing (IIRS), Dehradun were displayed in the exhibition. Student poster competition was added attraction for the student community. Out of the 10 selected student posters, authors of three best posters (MNIT, Allahbad, University of Kashmir and MGR institute, Chennai) were given opportunity to present the work to August gathering.

NICES programme was explained through presentation on NICES portal, a video showcasing information about all ECVs and geophysical products, a 2 minute curtain raiser shown during inaugural programme, NICES brochure and NICES booklet. Booklet and brochure were released during inaugural session by Chairman, ISRO.

Panel discussion at the end of this 2 day workshop saw the feedback and suggestions from the participants towards road map for future of NICES.





Prize winners

