

Geospatial Technologies for Climate Studies

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The knowledge on the climate change and associated technologies is ever increasing with reference to observations made by satellite sensors and model simulations. This is essential to understand the changing climate and sustainable living on this Earth system by reducing adverse impact to the mankind. Hence, in support of the climate studies, Indian Space Research Organisation at the National Remote Sensing Centre (NRSC) is engaged to monitor natural resources with satellite data acquired and processed in long term basis. Recently, National Information System for Climate and Environmental Studies (NICES) has been initiated to build a quality controlled satellite data base on geophysical products from satellite data to qualify for climate monitoring in collaboration with other ISRO centres and national institutes working in similar fields. In the process, advanced geospatial technologies have been used to collect data and build information on the planet Earth in different scales of time and spatial resolution. The results are being analysed by expert groups and thematic scientists to unravel the signs of a changing climate.



Since the knowledge acquired from the Earth resource databases using geospatial technologies need to be spread across the stakeholders, NRSC is planning a training program for effective utilisation of NICES products. In this regard, NRSC invites individuals from state and central organisations, institutes and universities and those having the background in the Earth science studies and geospatial technology with remote sensing.

Training Focus:

This training course focuses on imparting basic concepts on the climate change and geospatial tools that were incorporated into climate change studies to enhance participant's knowledge. After the training, participants are expected to perform in the following tasks, such as, (i) on different tools and technologies available for processing different data sets, (ii) on different methods for processing the environmental data sets and (iii) ultimately enable utilisation of satellite data / information products for climate and environmental studies.

Who Can Apply?

Applications are invited from interested candidates from State Government / Central Government Departments, Faculty/Research Scholars from Academic Institutions, NGO and Private Companies who intend to have an understanding and acquire knowledge on the climate and environmental studies. Participant should have minimum qualification of Masters Degree in Science or Bachelor's degree in Engineering. Exposure to geospatial techniques is desirable. Right of Admission reserved with NRSC.

