



User Interaction Meet - 2023

March 16-17, 2023



***Trends in EO data services and applications -
the new geospatial regime***

Organised by
National Remote Sensing Centre
Indian Space Research Organisation
Dept. of Space, Govt. of India
Balanagar, Hyderabad - 500 037



National Remote Sensing Centre (NRSC)

National Remote Sensing Centre (NRSC), Department of Space, Government of India, is a key player in the Earth Observation segment of Indian Space Programme, to help and realize India's space vision. It ranks among the premier organizations in the world in operationalization of Remote Sensing and geo-information technologies, for use at the grassroot levels and provides last mile connectivity with users.

The core activities of NRSC include – acquisition and processing of earth observation satellite data, establishment of ground stations for receiving satellite data, generation of data products, dissemination to the users, development of techniques for remote sensing applications including disaster management support both in India and abroad, web-based geospatial services for good governance and capacity building for professionals, faculty and students and research in land, and atmosphere and ocean sciences.

NRSC has a world class facility – the Integrated Multi-mission Ground Segment for Earth Observation Satellites (IMGEOS) at Shadnagar near Hyderabad, to acquire, process and disseminate Satellite data from both Indian and foreign satellites. The facility also supports NRSC's data acquisition activities at other international ground stations.

NRSC also carries out Aerial Services and Data Management (ASDM) activities to facilitate generation of large scale topographic maps and very high resolution Digital Terrain Models (DTM) using state-of-the art sensors.

NRSC provides end-to-end solutions for utilization of data for Natural Resources Management, Geospatial Applications and Information Services catering to food security, water security, energy security and sustainable development. It has a single window Disaster Management Support Service for major natural disasters like floods, agricultural drought, forest fires, cyclones, earthquakes and landslides.

The NRSC Data Centre (NDC) is the interface between the remote sensing data user community and the ISRO system. NDC supports all activities related to Indian and foreign satellite data dissemination including on demand supply over any part of the globe, satellite payload planning and scheduling.

The geospatial services are provided to the users through the Bhoonidhi and Bhuvan Portals.



Bhoonidhi
ISRO's EO Data Hub



Every year, NRSC conducts the User Interaction Meet to apprise the users about the latest developments in its services and applications, unveiling products from new missions and forthcoming satellite launches. This year the meet is scheduled to be held during 14-15 March, 2023 (Tuesday and Wednesday) at NRSC, Hyderabad. The meet will focus on “Trends in EO data services and applications - the new geospatial regime”.

Objectives of the Meet

Main objective of this meet is to share with the geospatial user community, the developments in citizen centric applications, the implications of geospatial policy, the startup ecosystem, trends in demand driven data, new techniques in geo processing and web services, role of public and private players in furthering the geospatial ecosystem, data assimilation algorithm and model development, among others. Users shall be briefed on the application potential of Indian Remote Sensing Satellite (IRS) Missions with special emphasis on the recently launched satellites like EOS – 4 (RISAT-1A) and EOS-6 (Oceansat-3), future satellites and other important issues relevant to the user community. This is also an important forum for the satellite mission teams to get feedback on different aspects of data and quality.

Submission of Case Studies

The users will be allowed to make presentations on case studies showcasing the utilization of IRS data for about 10 minutes duration each. Selection of papers will be done by an expert committee. There is no registration fee for the participants. However, in order to ensure participation from all sectors, the number of participants from each organization is restricted to two persons.

Extended abstracts are invited on any novel, innovative work undertaken by the users using RISAT-1A(EOS-04), Cartosat-3, Oceansat-2, Resourcesat-2/2A and Cartosat-2S satellite data. Research scholars / students are encouraged to submit their case studies / research activities. This is also a good platform for students to meet scientists. The dates of submission for the extended abstract is given below:

Extended abstract

Submission : **February 20, 2023**

Acceptance : **March 1, 2023**

General Guidelines to Users Presenting Case Studies :

The Organizers will be happy to receive case studies which will be included in the proceedings. In order to ensure uniformity of presentation and ease of production of conference proceedings, a few guidelines for submission of papers are recommended.

1. The study should be novel and innovative
 2. Extended Abstract : in English / Hindi (Word limit 1000 words)
 3. Problems encountered / visualized – you may desire to further categorize these problems
 4. Conclusions
 5. Recommendations : These may be placed before the panel for discussion
 6. The soft copy shall be in MS Word Format
 7. The soft copy of the Abstract / Full paper should be sent to nrsc_uim@nrsc.gov.in
- The organizers of the conference, wherever needed, have the right to edit the paper without changing the essence of the matter.

Registration : Registration is free for all and can be done through the NRSC website www.nrsc.gov.in

About Hyderabad

Hyderabad, the capital city of Telangana state is the sixth largest city in India. Located on the banks of the river Musi and at an altitude of 542 m (1,778 ft.) above Mean Sea Level, Hyderabad is popular for its landmarks like Charminar, Falaknuma Palace, Salarjung Museum and the statue of Equality. It offers moderate temperature and pleasant weather during March.

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