



About Workshop

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially. Currently, about 730 universities / institutions spread across India are networked with IIRS. The online workshop is latest addition to the IIRS distance learning activities. The second online workshop in this mode is being organized on "Microwave Remote Sensing in Agriculture". Earth observation data are limited in the monsoon season due to frequent cloud cover and to limited region of Northern India in winter due to haze, dust and cloud. The workshop on Microwave Remote Sensing in Agriculture" will provide an overview of the current potential/ capabilities and the role of these datasets in addressing the priority application areas in Agriculture .

Workshop Outline

This online workshop will cover following topics:

- Microwave Remote Sensing Fundamentals & Satellites
- Passive Microwave data application in Agriculture
- Microwave Remote Sensing Applications for Soil Moisture
- Microwave Remote Sensing Applications in Crop studies including PolSAR applications
- Finally a group panel discussion will be conducted with all online users and expert panel

Target Participants

The course is designed for professionals from Central / State Govt. / Private Organizations / NGO/ students & researchers engaged in disaster management related activities.

Expected Outcome

The workshop will be instrumental in raising awareness on the utility of Microwave data applications on Agriculture. Role of space based information for monitoring Agriculture by enabling interaction among professionals from Central / State Govt. / Private Organizations / NGO & wide range of stakeholders at all levels engaged in crop acreage monitoring and production estimation activities including students and researchers involved in crop related studies.

Workshop Registration

- Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>
- To participate in this programme the interested organizations/ universities/ departments/ Institutes has to identify a coordinator at their end. The identified coordinator will register online his/her Institute as nodal center in IIRS website.
- All the participants has to register online through registration page by selecting his/her organization as nodal center.

Workshop Reception

Programme can be received through Internet connectivity of 2Mbps or better. Following hardware and software set-up is required at user end:

Hardware Requirements :

- High-end Computer/Laptop (Windows OS);
- Good quality web camera ;
- Headphone with Microphone;
- Speakers ;
- Large Display Screen (Projector or TV) .

Software and Internet Requirements

- IIRS Learning Management System.

Connectivity & Other configurations:

- NKN or any other high speed internet facility (preferably without firewall, with minimum of 2 Mbps bandwidth)
- Network requirements: Port 80 and RTMP (port 1935) protocol should be unblocked from user's computer and Firewall.

Contact Details

Dr. Dipanwita Haldar

Workshop Coordinator,
Disaster Management Studies Department,
Tel: 0135-2524139
Email: dipanwita@iirs.gov.in

Dr. Harish Karnatak
Head, GIT& DL Dept.
Tel: 0135-2524332
Email: harish@iirs.gov.in

Dr. Poonam S Tiwari
DLP contact, GIT& DL Dept.
Tel: 0135-2524332
Email: poonam@iirs.gov.in

Workshop on "Microwave Remote Sensing in Agriculture"

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Organised by

Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
4 Kalidas Road, Dehradun 248001

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