

IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 Universities/ Institutions has now grown substantially to 3400+. The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Government Departments
- Forest Resource Professionals
- State Forest Departments/Forest Training Academies
- Research Institutes
- Geospatial Industries
- NGOs

About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia. While nurturing its primary endeavour to build capacity among the user community by training mid-career professionals, the Institute has enhanced its capability and evolved many training and education programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia. IIRS also conducts e-learning programme on Remote Sensing and Geo-information Science (<http://elearning.iirs.gov.in>).

Forestry and Ecology Department

Forestry and Ecology Department (FED) is the oldest department of IIRS, established in 1966 with the aim of providing training and skill development on the utility of aerial photography for forest mapping, resources inventory, monitoring and resource management for forest managers in particular and scientific community in general. The scope and activities of the Department have evolved and enlarged over the years keeping pace with technological advancements. FED strives to achieve excellence and remain in the forefront for research and capacity building in RS and GIS applications in forestry and ecology. The Department has a history of very strong research group contributing to the methodology development and execution for various nation-wide research projects for forestry sector in the country.

Contact Details

Workshop Organisers

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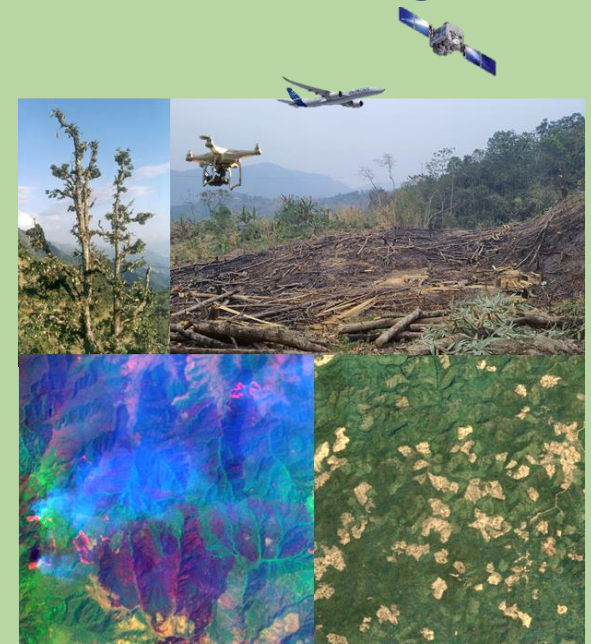
IIRS DLP Team

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IIRS Outreach Programme



Workshop
on

Monitoring Forest Disturbances using Geospatial Technology

Date: October 4, 2023



Organised by

Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
Dehradun

www.iirs.gov.in

About the Course

Forest disturbance refers to any event that causes a change in the structure and composition of a forest ecosystem. It can be caused by natural or anthropogenic factors and can have complex and diverse effects on forests and people, depending on the type, scale, frequency, intensity, and interactions of the disturbances. Examples of forest disturbances include forest fire, logging, pest infestation, expansion of invasive species, etc.

Geospatial technology can be effectively applied to monitor forest disturbances. It can facilitate detecting, measuring, and understanding the changes that occur in forest ecosystems due to natural or anthropogenic factors. It can provide accurate, timely, and comprehensive information on the extent, type, and severity of forest disturbances across large areas. It can help identify the causes and drivers of forest disturbances, as well as the impacts and risks on forest resources, biodiversity, services, and livelihoods. It can support decision-making and planning for forest restoration, rehabilitation, and adaptation strategies. It can enhance communication and awareness among stakeholders and the public about the state and trends of forest disturbances. It is important to understand the causes and consequences of forest disturbances and to manage them in a sustainable way that balances the needs of people and nature.

Hence, we invite you to attend this online workshop on "Monitoring Forest Disturbances using Geospatial Technology". The workshop is scheduled on October 4, 2023. It will comprise lectures related to various aspects of forest disturbance. The lectures will be delivered by the experts from the leading centres of ISRO and other national organisations.

Overview of Program

The course is conducted through IIRS outreach facility. IIRS has successfully conducted 163 courses so far through its outreach programme with 6,89,415 participants from 3400+ Institutions/Universities (as of 31st August, 2023) spread across India.

Objective of the Course : To familiarize forest managers, academicians and researchers about the utility of geospatial technology in forest disturbance studies.

Content: Forest disturbance study using microwave remote sensing, Assessment of spatio-temporal pattern of vegetation disturbance using optical time-series satellite data, Forest fire disturbance, Automated approach for forest disturbance detection.

Target Participants

The course is designed for Professionals, researchers and students (at least Graduate) engaged in the field of Forest Management, Conservation, Vegetation Ecology, Environmental Studies, Geospatial Technology and Modelling.

Registration Fee

There is no registration fee.

Course Registration

- Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>.
- All the participants have to register online through registration page available on above web page.

Award of Certificate

All the participants who attend the programme through e-class portal will get a e-certificate for participation.

Programme Reception

Individuals can attend the course live via any web browser through the e-class portal of IIRS, Dehradun i.e. <https://eclass.iirs.gov.in>.

Important links

Courses updates and other details will be available on URL – <https://www.iirs.gov.in/EDUSAT-News>

To participate in this programme the interested,organisations/universities/departments/institutes have to identify coordinator at their end. The identified coordinator will register online his/her institute as nodal centre in IIRS website (<https://elearning.iirs.gov.in/edusatregistration/coordinator>)

All the participants have to register online through registration page by selecting his/her organization as nodal centre on below link: <https://elearning.iirs.gov.in/edusatregistration/student>

There are limited number of seats. Registration will be done on first come first serve basis