About IIRS

Indian Institute of Remote Sensing (IIRS) an ISO 9001:2008 institute, a constituent unit of Indian Space Research Organization (ISRO), Department of Space, Govt. of India is a premier training and education institute setup to develop trained professionals in the field of Remote Sensing, Geoinformatics & GPS technology for natural resources, environmental and disaster management. 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 & educational programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia. Its alumni include around 11,000 participants from India and about 1100 international participants from 95 countries.

The institute also conducts distance learning programmes which are first of its kind in the country in the field of 'Earth Observation and Geo-information technologies'. To widen its outreach, IIRS has started live and interactive Distance Learning Programme (DLP) since 2007. Today around 580 institutions and organizations are networked with IIRS and about 52,000 participants have attended various DLP courses. IIRS has also launched e-learning courses on Remote Sensing and Geo-information Science since 2014. Its experienced faculty offer a multi-disciplinary dimension to the training programmes. IIRS is also one of the most sought after Institute for conducting tailor made courses for professionals from Central and State Government Ministries and stakeholder departments for effective utilization of Earth Observation (EO) data. The institute campus also hosts Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), affiliated to UN and conducts international training programs in Remote Sensing and GIS.

Location & Accessibility

IIRS is located in Dehradun and its campus is endowed with scenic beauty, Dehradun is well connected to major cities via, air/rail/road. City is famous for its picturesque landscape, pleasant climate, high quality school education and several scientific organizations of national & international repute. Places of religious & tourist importance like Haridwar, Rishikesh, Mussoorie etc. are located in the vicinity of Dehradun.

Average temperatures in last week of January would be 8-9^{0}C (evening) and 19-22^{0}C (day). Participants are advised to bring woollen clothes with them.

For more details please visit: www.iirs.gov.in

CONTACT DETAILS

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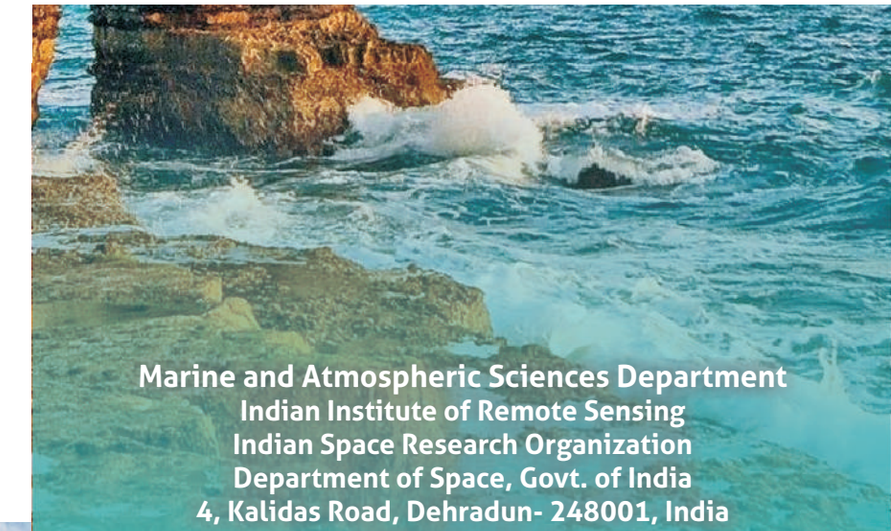
Workshop Cum Training Programme on

COASTAL AND OCEAN MANAGEMENT

JANUARY 28 - FEBRUARY 1, 2019



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Introduction

Coastal management is a specific aspect of coastal biology that focuses on the aquatic environment and how to sustain one of our most sensitive and delicate resources. Oceans provide food, recreational and transport corridors to mankind. As a result villages, townships and cities are concentrated all along the coasts throughout the globe. The coastal and ocean ecosystems are subjected to stresses imposed by developmental activities, land use change, environmental pollution, over fishing and natural hazards like cyclone and tsunami. In addition to this, the effect of climate change is creating more challenges for the coast and marine environment. Sustainable development and conservation of ocean and coastal resources requires the insights of a number of monodisciplinary, multidisciplinary as well as integral studies and approaches. In the context of climate change, conservation and management of coastal and ocean environment including mangroves and coral reefs, sea grass and wetlands require reliable, regular and updated information about their status and health in space and time. Strengthening in-situ observations and adopting geospatial techniques to study the dynamics of these ecosystems is one of the most important research objectives. The advent of satellite remote sensing has initiated a new era of monitoring planet Earth. The sensors on the satellite provide vital information to study and understand the coastal and ocean environment and their dynamics. Several satellite systems with different sensors provide data for a wide range of coastal-ocean parameters like ocean color, phytoplankton booms, ocean bathymetry, primary productivity, potential fishery zones etc. This information help us to manage the coast and ocean more efficiently and effectively.

Target Participants

The workshop is designed for professionals and specialists from university, educational institutes, operational & research institutes and JRFs/SRFs/students in Marine Science, Earth Science, Oceanography, Fisheries, Environmental Science and related fields. The applicants should be Post Graduate in Science/Graduate in Engineering. Preference will be given to candidates with experience in teaching/research and higher qualification.

Significance of the Workshop

The workshop is designed with a view to provide participants an understanding of the scientific concepts associated with coastal and marine ecosystems, coupled with a practical knowledge of marine management. The participants will also gain knowledge and ability to access, analyze, and apply satellite remote sensing data for coastal and ocean management. They will also understand the advantages and limitations of using remote sensing observations for coastal and ocean management.

Brief overview of lectures

- Overview of themes in coastal and open ocean applied science.
- Fundamentals of aquatic remote sensing.
- Detection of phytoplankton blooms using remote sensing techniques.
- Applications of remote sensing data for monitoring of marine pollution.
- Ocean colour detection and monitoring.
- Ocean bathymetry estimation.
- Determination of primary productivity and potential fishery zones.
- Application of remote sensing data for coastal hazards.
- Coastal ecology from multispectral satellite data.
- Long shore transport and coastal preventive structures.
- Rip currents and coastal tourism.

Duration and mode of training

The workshop would be of one week duration from January 28 - February 1, 2019. The workshop would have a blend of lecture on above topics, few expert lectures, case studies, demonstrations and hands on exercises.

Workshop Fees

A nominal registration fee of ₹3400/- per participant for Government & research institutions, university faculty and registration fee of ₹2400/- per participant for JRFs/SRFs/ students. This fees includes registration kit, working lunch, refreshment and lodging. Please send a crossed Demand Draft from any Nationalized Bank drawn in favor of 'Pay & Accounts Officer, Indian Institute of Remote Sensing' payable at Dehradun. Registration fees must be paid before commencement of the workshop.

Important Dates

The workshop will commence on January 28, 2019 and will end on February 1, 2019. Last date to apply for the workshop is December 21, 2018.

Accommodation

AC/Non-AC accommodation (as available) will be provided at IIRS campus. No accommodation will be provided to the accompanying person/children.

How to apply

The aspirant participants may fill the attached application form and send to us along with registration fees latest by December 21, 2018. Selection preference will be given to candidates with experience in teaching/research and higher qualification. Applicants are encouraged to apply well before last date. To facilitate early registration, an advance copy of your application can be send to us via e-mail/fax/post.

iirs

Workshop cum Training Programme on
Coastal and Ocean Management
January 28 - February 1, 2019

APPLICATION FORM

(For Official use only)
ARS-WC
Application No:.....
Date received: .....

Affix Recent Passport Size Photograph

1. Name (Dr/Mr/Mrs/Ms): .....
2. Date of birth (DD/MM/YYYY) : .....
3. Gender (Male/Female): .....
4. Designation.....
5. Organization: .....

   .....
6. Address (official): .....

   .....

   .....

   Tel: ..... Mob: .....

   Fax ..... Email: .....
7. Address (Residence): .....

   .....

   .....

   Tel: ..... Mob: .....

   Fax ..... Email: .....

8. Educational Qualification (from Bachelor degree onwards)

Degree	University/ Institution	Year of passing	Major subjects/ specialization

(enclose copy of highest degree obtained)

9. Have you attended any course at IIRS ☐ Yes ☐ No
10. Details of experience in the present profession (including years of experience)- max of 50 words

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11. How the workshop will help in your work/organization

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    .....
12. Accommodation required ☐ Yes ☐ No
13. Details of payment:
    (Demand Draft No., Bank Name and Address, Date of Issue)

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14. Declaration by the Candidate
    I have read the announcement brochure and will abide by the rules and regulation of the institute. I will make travel arrangements for attending the workshop and expenses (*other than mentioned in brochure*) for the period of stay.

Signature of applicant

Place:

Date:

Last date to receive the completed application is December 21, 2018

Important:
- The application which is incomplete is likely to be rejected
- The DD of those applicants who are not selected will be refunded