Space Applications Centre-ISRO, Ahmedabad

Web based TREES Training Programme on

Satellite based Flood Assessment and Modeling

India is one of the most flood prone countries in the world. Satellite based observations provide synoptic coverage of flood inundated areas which are helpful in assessing the impact of flood and carrying out the risk and damage assessment at remote locations.

Hydrological events such as flood varies in space and time domain. Extremes of such events is the major area of concern for proper planning and decision making. This is one of the major research area in the field of satellite hydrology which includes flood monitoring from Radars, Altimeters, Passive Radiometers and development of forecasting techniques. Satellite based measurements provide unprecedented information that helps in risk assessment and disaster management.

Hydrological remote sensing is being carried out using measurements from various Indian satellite systems such as SARAL-Altika Mission (Water stage), RISAT-1 SAR Mission (Surface water spread), Resourcesat-1/2, Oceansat-2 Missions (Wetlands, water spread, Water quality), INSAT-3D/3DR Missions (Rainfall, Solar Radiation), and SCATSAT-1 Mission (Inland water level). Future Indian satellite missions such as Resourcesat-3, GISAT, OCM-3, NISAR etc. and global missions such as SWOT would further strengthen the hydrological studies.

Training on Satellite based Flood Assessment and Modeling

Space Applications Centre, Ahmedabad, is organising a training programme on 'Satellite based Flood Assessment and Modeling' for Indian Participants under TREES initiative of VEDAS. This programme aims to provide scientific basis and tutorials to the participants of this programme. The programme will help in capacity building for the utilisation of satellite data from Indian and global Mission.

Details of The Training Program

The training programme consists of forenoon lectures covering topics on flood assessment using various satellite data by eminent scientists working in related fields in ISRO, followed by tutorial demonstration in the afternoon. Lectures and tutorial session will be conducted through web platform. Participants will also be participating from their respective places through web.. No fees will be charged for the training. Participation certificates will be provided after completion of the training.

Date	03-05 November 2020
No. of participants	30 (maximum)
Target Group	State/Central Government officials, Scientists, Research Scholars, Teachers and Faculties affiliated to recognized Universities and Research Institutions working in field of Remote Sensing and Hydrology Modelling.
Prerequisite	Basic knowledge of Remote Sensing and working knowledge of image processing software.

Only 30 participants can be accommodated for the training programme. If more number of applications are received, the selection will be made on the basis of applicant's background experiences and qualifications.

Interested persons may send the filled-in application form by email only on or before October 23, 2020 to:

Dr. S.P. Vyas
Head, ERTD/ VRG/EPSA
Space Applications Centre (ISRO)
Bopal Campus, Ahmedabad - 380058
Phone: 079-26916223/6224
Fax: 079-2691-6287
Email: trees@sac.isro.gov.in

For further details please visit our website https://vedas.sac.gov.in/

Space Applications Centre-ISRO, Ahmedabad

Application for TREES training on

Satellite based Flood Assessment and Modeling

(03-05 November, 2020)-web based/Online

Affix Recent Passport Size Photograph

(Please type or write in CAPITAL Letters)

Name :

Date of Birth (DD/MM/YYYY) :

Gender (Male/Female) :

Contact Information :
(include Email, Phone, Fax details)

E-mail

Mobile

Designation :

Educational Qualification :
(Graduation onwards; *include percentage of marks and specialization)*

Have you applied/ attended any other SAC Training programmes. *(Tick) TREES, SMART, HRD/SAC or any other?*

:

Research Interest *(Mention your publications on Remote Sensing and Hydrological applications)*

Justify your Selection for the Training Programme *(specify your experience in Hydrology, Remote Sensing data handling, software used and intended future applications)** :
(Attach separate sheet if required)*

Signature of the Applicant with date :

:

Recommendation from Head of the Department / Institution with seal if possible- (Optional) :

Send Scanned Signed Copy by e-mail only: **trees@sac.isro.gov.in**