

Earth Ecosystem Research and Training Division (ERTD)  
Vedas Research Group (VRG), EPSA/SAC  
“Satellite based Hydrology and modelling”

Date: 08 -11 August, 2017

Training and Research in Earth Eco-system (TREES)

A Four-day training programme was conducted on “**Satellite based Hydrology and modelling**”. The training programme was attended by 29 participants from 14 institutes / organisations from all over country.



Overall 14 lectures covering various aspects of Satellite based hydrology and modeling were delivered. The lectures on remote sensing covered Basic principles of Remote Sensing and its broader Applications. Image processing, Specific Applications of remote sensing for Hydrology, Satellite based soil moisture retrieval, Water quality monitoring, urban storm water management Satellite altimetry, wetland hydrology and Snow hydrology were covered.

Besides Hydrology, ground water estimation from space and hyperspectral applications for Satellite derived DEM extraction were included addressing potential research areas. The basic Geographic Information System (GIS), its applications were also covered. ET tools and techniques were addressed. Eight hours of Tutorial on Image processing,

GIS, ground water Resource development, water quality and Hydrological modeling was also devoted so that participants can appreciate the theoretical aspects covered.

The participants highly appreciated the course content and its presentation. The feedback received was encouraging; most of participants wanted to be part of research programme.