

TREES Training on

“Agricultural Applications using Space Based Observations”

Earth Ecosystem Research and Training Division (ERTD)
VEDAS Research Group (VRG), EPSA, Date: 21-25 January, 2019



A Five-days training programme was conducted on **“Agricultural Applications using Space Based Observations”**. The training programme was attended by 26 participants from 20 institutes / organisations from all over country.

Overall 12 lectures covering various aspects of Satellite based Agricultural Applications and allied sectors were delivered. The lectures on remote sensing covered Basic principles of Remote Sensing and its broader Applications, Image Processing Crop Classification Fundamentals, Crop statistics, Agro-meteorological applications and fodder crop assessment for Dairy development were delivered. Specific Applications of remote sensing of SAR and Hyper Spectral data for Agriculture, Microwave applications were delivered. Besides Optical and SAR, lectures on Regional crop yield modelling Geospatial applications in allied sectors and Horticultural crop insurance applications, and applications of mobile data collection, Live demonstrations of VEDAS were covered.

Three Tutorial / Hands on exercise of Twelve hours on Image Processing and crop classification using Optical remote sensing, SAR based crop classification, Crop stress, crop yield modelling, and products utilities were demonstrated. So that participants can appreciate the theoretical aspects.

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