

TREES Training on “SAR Data Processing and Analysis for Land Applications with Special Emphasis on L & S Bands”

Earth Ecosystem Research and Training Division (ERTD)
VEDAS Research Group (VRG), EPSA, Date: 24-28 September, 2018



A Five-day training programme was conducted on “SAR Data Processing and Analysis for Land Applications with Special Emphasis on L & S Bands”. The training programme was attended by 25 participants from 19 institutes / organisations from all over country.

Overall 14 lectures covering various aspects of SAR Data Processing and Analysis were delivered. The lectures on NISAR Mission overview, L&S band Airborne SAR, and Research areas. The Basics covered SAR – Sensor perspective, SAR Target Interactions, SAR Signal processing. With respect to Advanced SAR, Applications of SAR Polarimetry, Tools and Techniques for Polarimetric analysis of SAR data were covered.

Besides these fundamentals and tools, Applications of SAR in Urban Studies, Agriculture, Soil moisture, Geosciences, Forestry, Wetlands, Costal Studies and Cryosphere were also covered. More than Eighteen hours of Tutorial / Practical’s on Basics of SAR data processing and Analysis, Polarimetric data processing, Use of in-house developed Polarimetric Tools and open source Tools, Analysis and applications of different themes 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.