

5005th Webinar Series

on

Object Based Image Analysis for Earth Observation Optical data

Prerequisites

- Remote Sensing Basics, Resolutions
- Elements of Visual Image Interpretation
- Basic Image Statistics
- Digital Image Pre-processing Concepts
- Image Classification :Supervised ,Unsupervised

➤ Image pre-processing techniques- Optical remote sensing

Contents:

- Errors in the RS images
- Causes of the errors
- Types of corrections

➤ Radiometric corrections and normalization for satellite data

Contents:

- Radiometric errors and calibration
- Approximate corrections
- Scene-to-scene normalization

➤ Atmospheric corrections of Optical imagery

Contents:

- Radiative Transfer equation
- LUT based Atmospheric correction models
- Illustrations

➤ Object Based Image Analysis for Earth Observation Optical data

Contents:

- Traditional Image Analysis - Approaches and Limitations
- Object Based Image Analysis (OBIA) Concepts
- Image Segmentation Methods
- Case Study Examples

➤ Object Based Image Analysis for Earth Observation Optical data

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