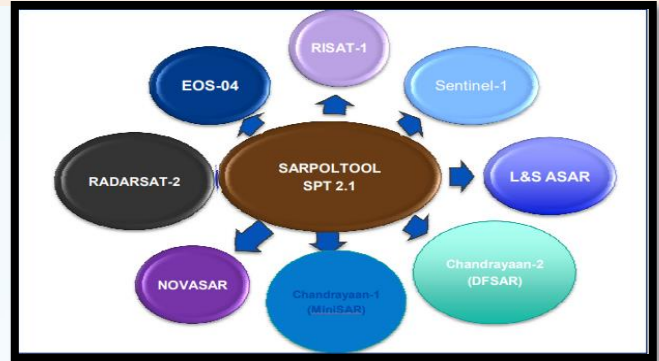


SARPOLTool – Multi-Mission POLSAR Processing and Analysis Tool

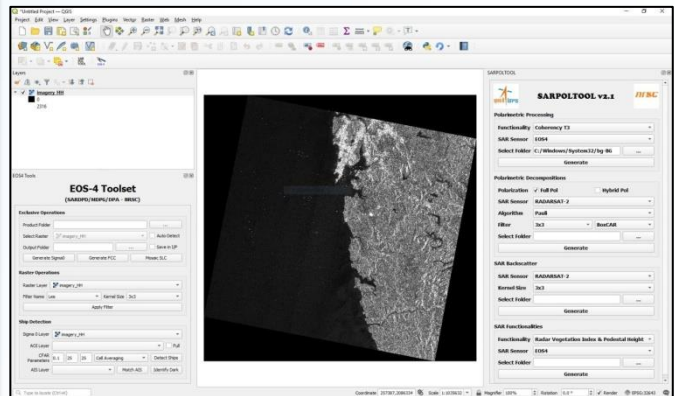
SARPOLTool is in-house developed Multi-Mission SAR Toolbox for carrying out SAR data based Remote Sensing applications and Geospatial analysis. It provides adequate support for the end-user in order to carry out multi-sensor SAR data analysis using target scattering mechanisms, Radar backscatter signatures, textural variation in data and so on which are the basis for Classification and Segmentation. This tool is available at Bhoonidhi for download under processing Tools.

Functionalities:

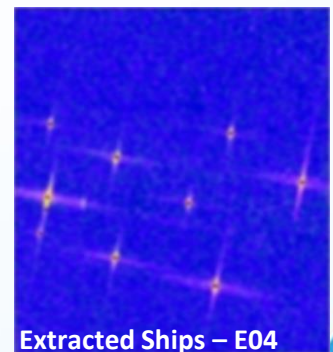
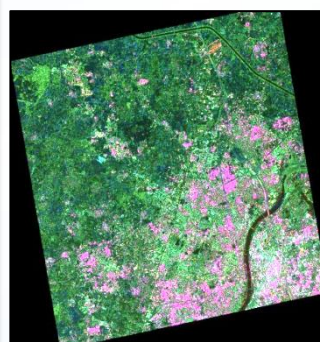
- ✓ Full and Hybrid Polarimetric Processing
- ✓ Full-Quad and Hybrid Polarimetric Target Decompositions
- ✓ Sigma Naught Backscatter Product Generation
- ✓ The Radar Vegetation Index (RVI) and Pedestal Height Estimation
- ✓ Textural Features Extraction
- ✓ Oil Slick Detection and Look-Alike Separation
- ✓ Intuitive Support for EOS-4 products
- ✓ False Colour Composite (FCC) Generation
- ✓ Mosaicing of Beam wise SLC products
- ✓ Customized filters for enhancing the Image Quality
- ✓ CFAR based integrated Ship Extraction using EOS-04 data
- ✓ Chandrayaan 1 and 2 SAR data polarimetric Processing



SAR Sensors Supported



SARPOLTool Interfaced with QGIS



EOS-04 GFU Decomposition (Left) Ships Detection(Right)

<https://bhoonidhi.nrsc.gov.in/bhoonidhi/help/tools.html>

Web links:

bhoonidhi.nrsc.gov.in
bhuvan.nrsc.gov.in

For further details, please

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