

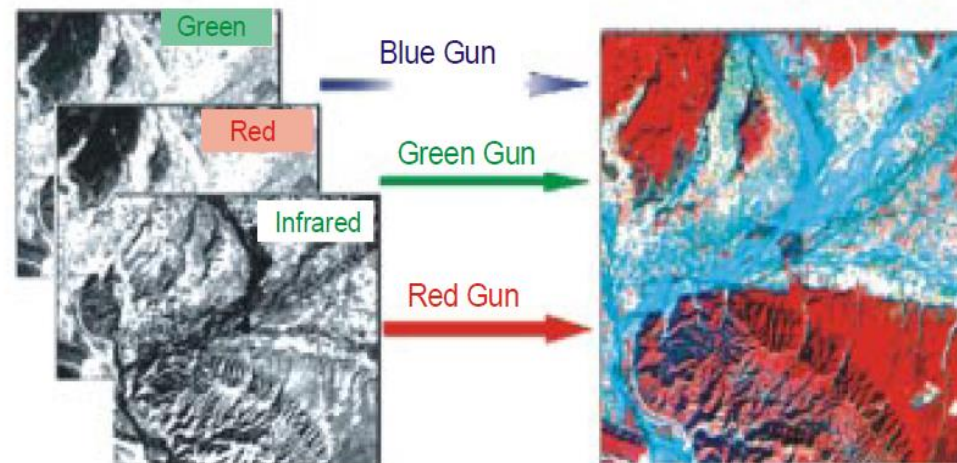


Data products



False Color Composite (FCC)

While displaying the different bands of a multispectral data set, images obtained in different bands are displayed in image planes (other than their own) the color composite is regarded as False Color Composite (FCC). High spectral resolution is important when producing color components. For a true color composite an image data used in red, green and blue spectral region must be assigned bits of red, green and blue image processor frame buffer memory. A color infrared composite 'standard false color composite' is displayed by placing the infrared, red, green in the red, green and blue frame buffer memory

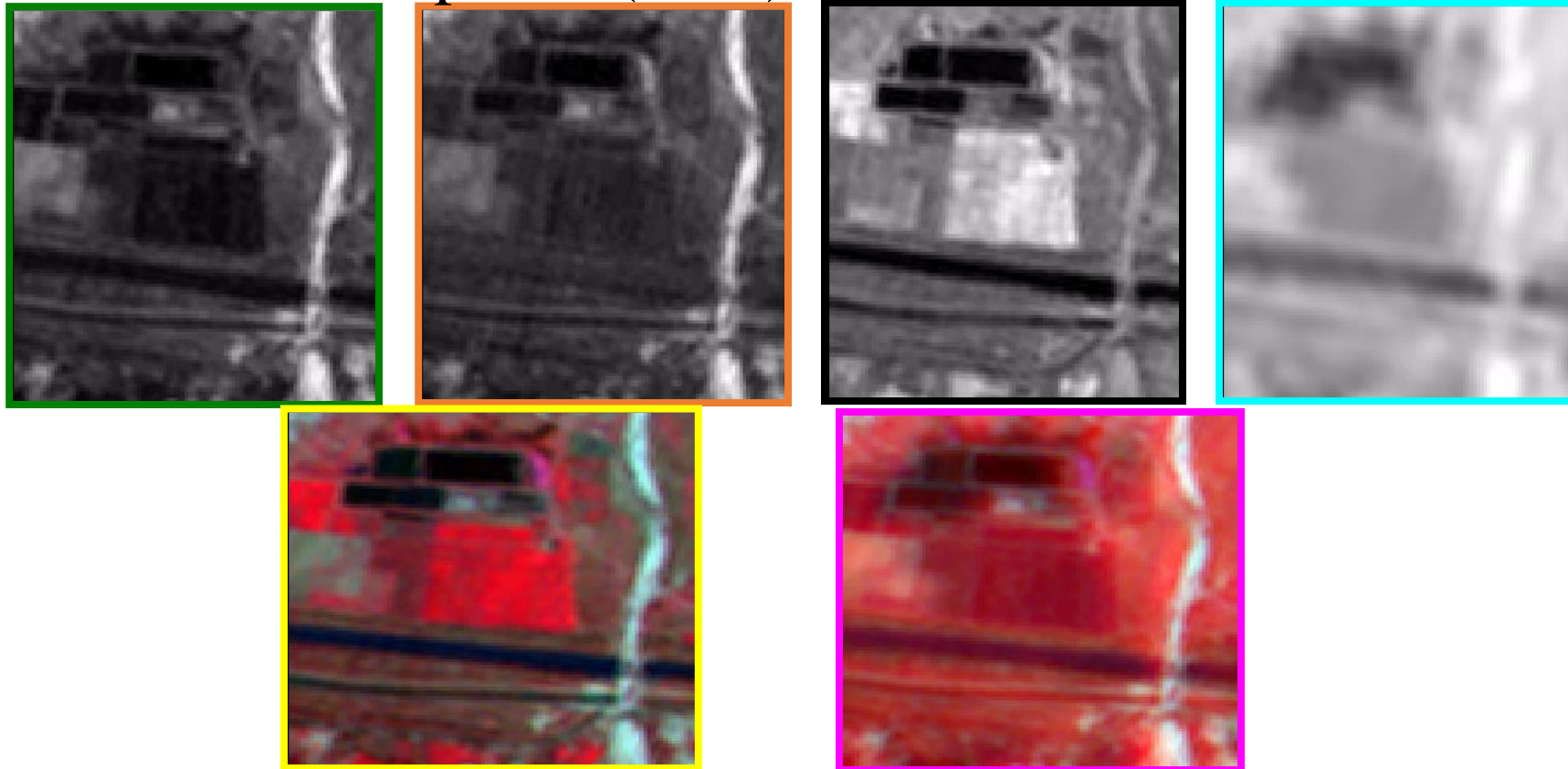




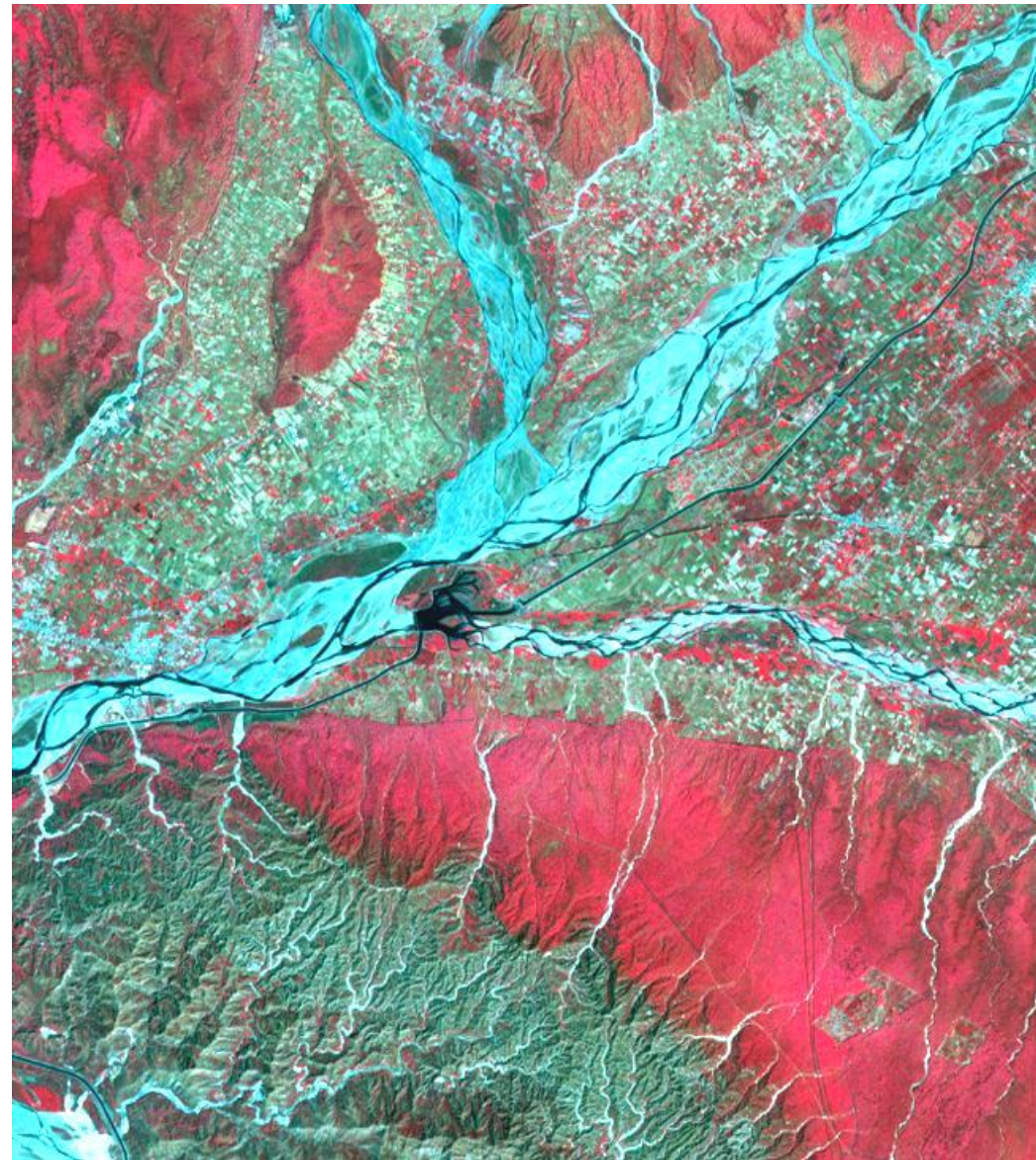
FALSE COLOR COMPOSITE



When images obtained in separate bands are composed/displayed against some different image planes (other than their own) the color composite is regarded as False Color Composite (FCC)



STANDARD FCC ORDINARY FCC



Standard False Colour Composite LISS III



Data product levels



Level	Processing	Data product
Level 0	Uncorrected	Raw data
Level 1	Radiometrically and geometrically corrected only for Earth rotation	Browse product
Level 2	Both radiometrically and geometrically corrected	Standard product
Level 3	Special processing like merging, enhancement etc. after level 2 correction	Special product



- Photographic products
 - Black & White – Films
 - FCC – Paper prints
- Digital products
 - Computer Compatible Tapes (CCT)
 - Cartridges
 - Floppies
 - Digital Audio Tapes (DAT)
- Stereo products
- Geocoded products





Classification of Satellite Data

	Medium Resolution 100 to 20 m	High Resolution 20 to 5 m	Very High Resolution Less than 5m
Optical Multi Band	TM, LISS-III LISS-II, MSS LISS-I, AWiFS	SPOT MLA* LISS-IV*	IKONOS* QB ORBVVIEW QB
Optical Single Band		SPOT PLA* 1C/1D PAN*	IKONOS* P5 PAN* ORBVVIEW
Microwave	ERS-1/2	Radarsat 1 Fine beam	Radarsat2 Fine /Ultra

* Stereo Capability



CHOICE OF DATA PRODUCTS



- ✓ **Sensor:** Spatial (PAN)& radiometric resolution (LISS III)
- ✓ **Type of Product:** Geocoded product though costly best for accuracy
- ✓ **Scale of Imagery:** PAN 1:12,500; LISSIII 1:50,000
- ✓ **Season of data:** Teak Forest – Leafless in January – May
– Best season for delineation of teak and non-teak areas
Coastal Forestry – November to December for density classification
- ✓ **Data Quality:** Cloud cover in the data < 5%
- ✓ **Budget:** If fund is not a constraint, high resolution Geocoded product can be used otherwise low resolution standard products can be procured
- ✓ **Objective of the User:** For State level 1:250,000
District level 1:50,000 or 1:25,000; Village level 1:12,500



Photointerpreter, Image Analyst



- Interpretation from paper photographs as well as digital images
- It is based on *a priori* knowledge and experience
- Deals with:
 - Sources of Imagery
 - Elements of Imagery Interpretation
 - Applications for Interpretation
 - Image Interpretation keys
 - Field Observations
 - Accuracy Assessments

THANK YOU