



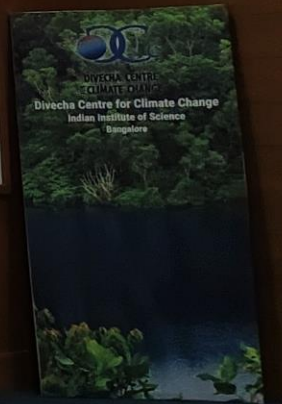
Dr. Santosh Panda
Associate Prof. GIScience
Natural Resources and Environment
University of Alaska Fairbanks (UAF)
skpanda@alaska.edu

Education:

- > B.Sc. Geology and Mineralogy, Sambalpur University, India
- > M.Sc. Applied Geology, IIT Roorkee, India
- > Ph.D. Geology (Remote Sensing), University of Alaska Fairbanks, USA

Appointments at UAF:

- > 2020 - present: Associate Prof. GIScience
- > 2016 - 2020: Assistant Research Prof. Remote Sensing
- > 2014 - 2016: Research Associate
- > 2012 - 2014: Postdoctoral Research Fellow

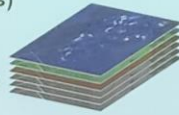


B. On-demand Hyperspectral Imagery

Multispectral vs Hyperspectral

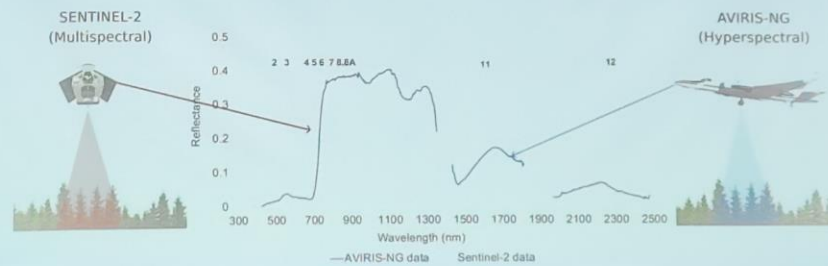
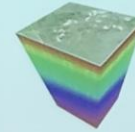
Sentinel 2 (13 bands)

- Fewer bands
- Global coverage
- Freely available



NASA AVIRIS-NG (425 bands)

- Hundreds of bands (narrow bandwidth)
- Local coverage with limited availability
- Expensive






DIVECHA CENTRE
CLIMATE CHANGE
Divecha Centre for Climate Change
Indian Institute of Science
Bangalore