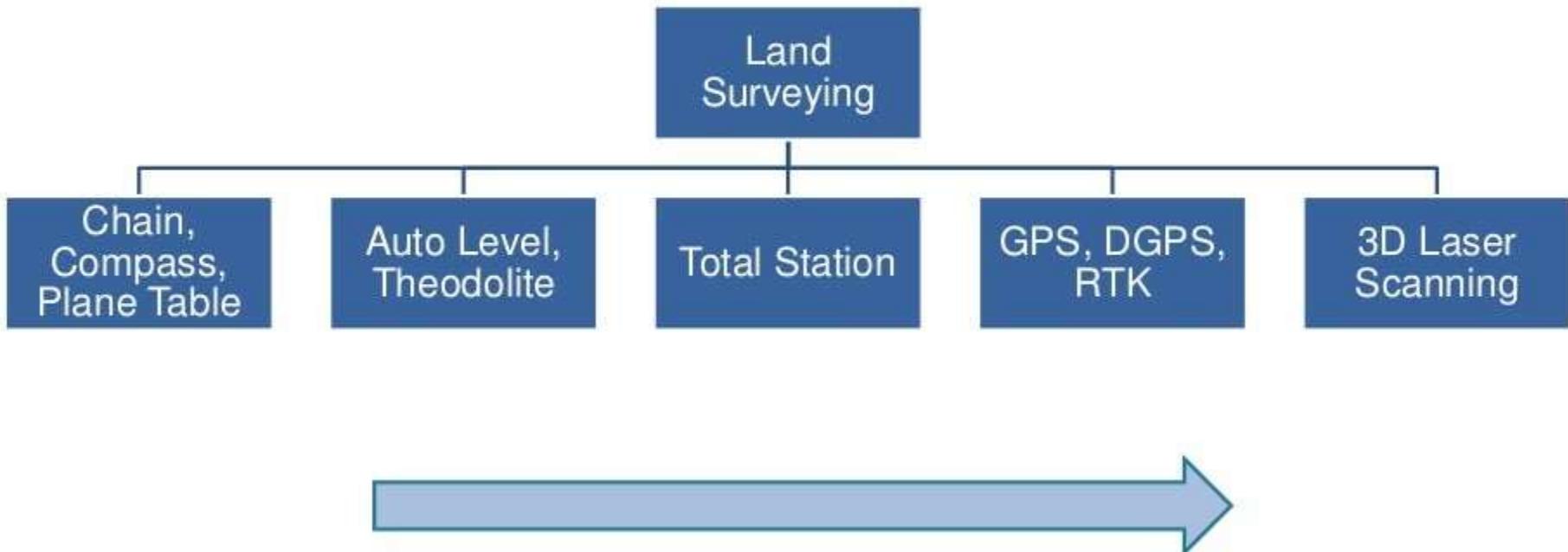


**Dr. Swarnima Singh, Dept of Geography**

# **INTRODUCTION TO PHOTOGRAMMETRY (REMOTE SENSING & GIS)**

**UNIT – I**



# Remote Sensing

Aerial  
Photography

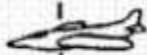
Satellite

LiDAR





(spaceborne sensors)  
geostationary orbit 36000 km  
near-polar orbit 600 - 1000 km



(airborne sensors)  
high altitude data 3 - 10 km

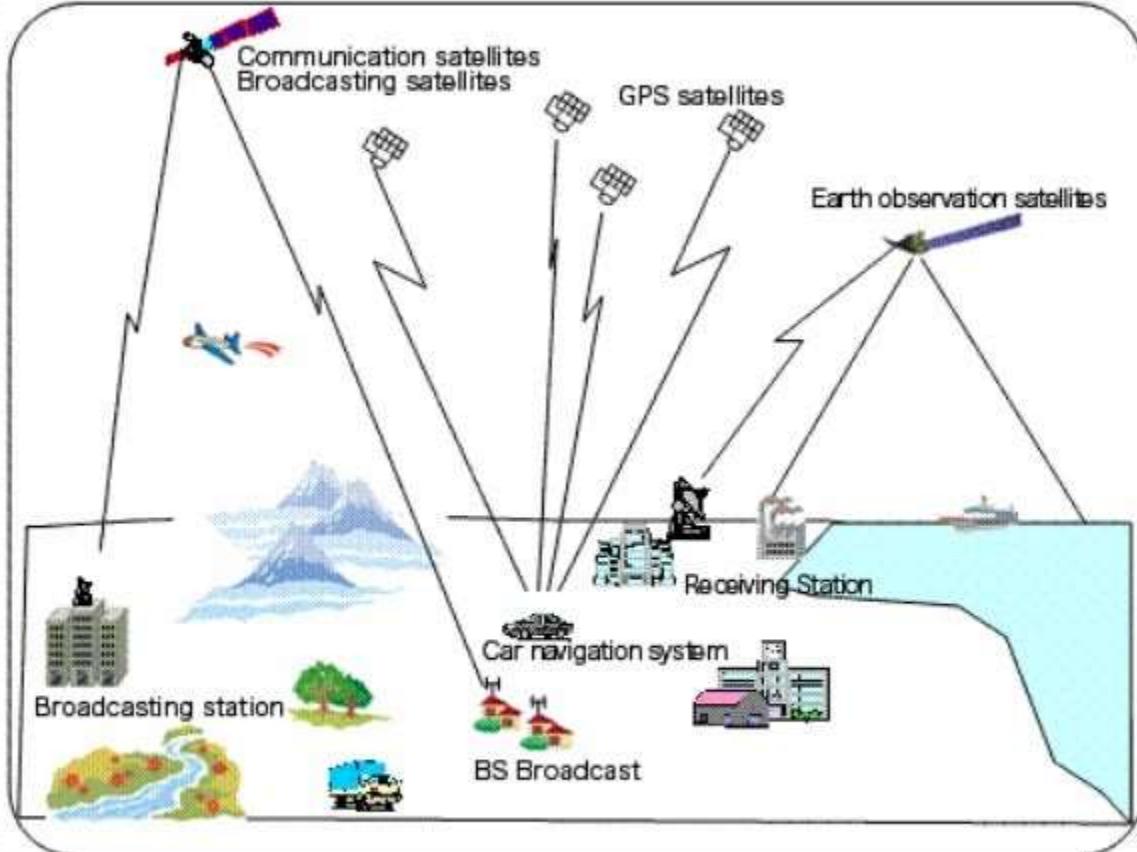


(airborne sensors)  
low altitude data 300 m - 3 km

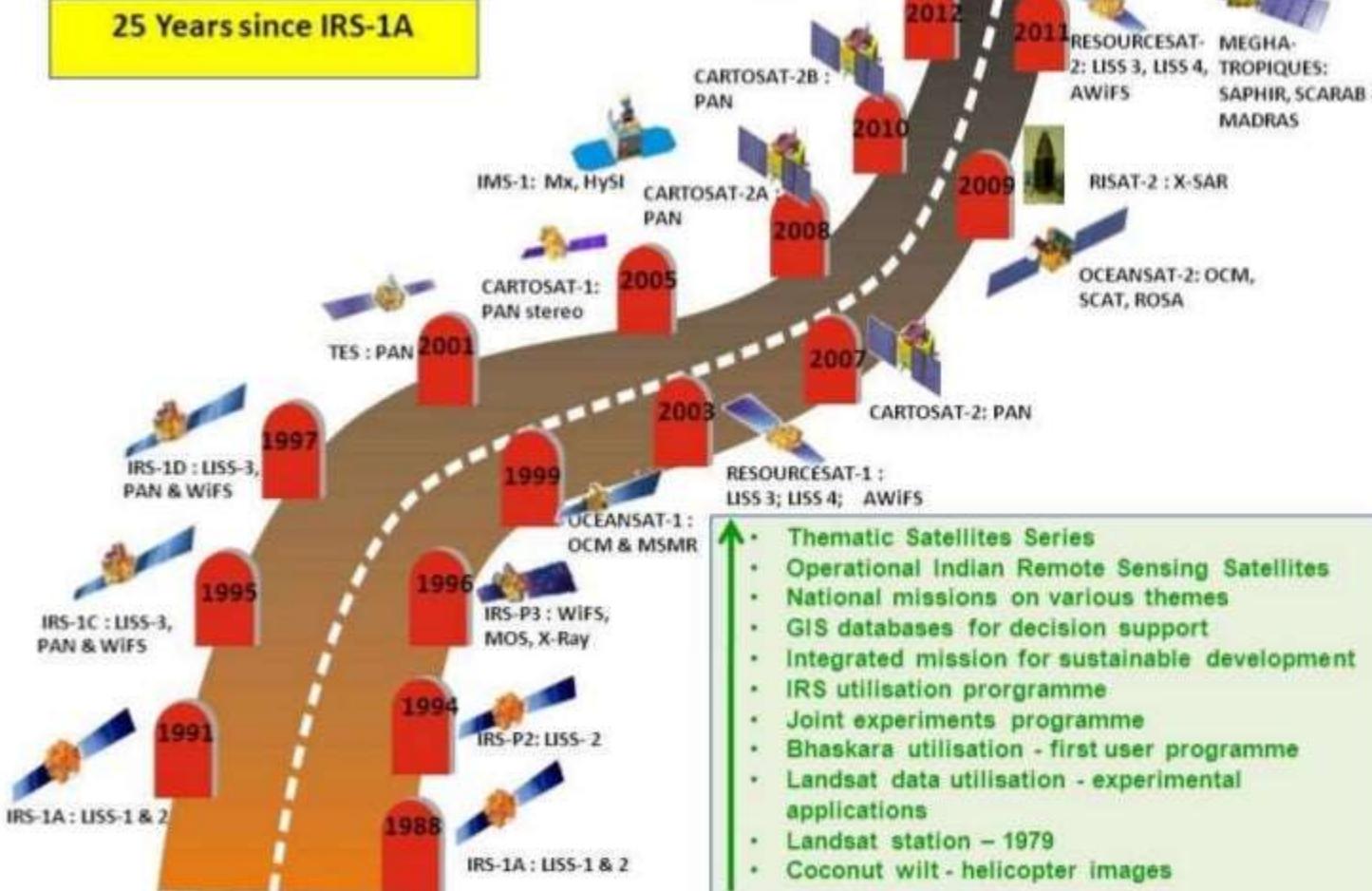


(airborne sensors)  
ultralight-aeroplane data 100 - 300 m

(ground observations)  
close range remote sensing  
sensing in situ



# THE EVOLUTION



1000 Applications & Uses



67 Major Applications