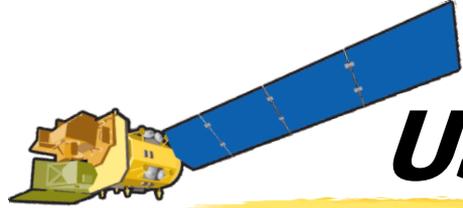


# ***USGS & SmallSATS***

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- USGS is Interested in Emerging SmallSAT Technology
  - Both Lower-Cost Single Platforms and Constellations
  - Increased Frequency of Coverage (Better Revisit Times)
  - Greater Ability to Address Hazards and Emergency Response
  - Developments that Drive Better Sensor/Instrument Designs (for All Classes of Instruments)
  - Technology has Potential to Reduce Costs for All Mission Classes
  
- Still Need to Meet Current and Future Requirement Set
  - Resolution, Ground Coverage, Comparability to Historical and Current Landsat, Radiometric and Geometric Accuracy
  - Continue Current Free and Open Access Data Policy
  - Though may have Opportunities to Address Other USGS Land-Imaging Requirements



# ***USGS SmallSAT Plans***

- Considered SmallSAT Options in Previous Landsat Architecture Study Team (AST)
  - At the Time, Did Not Find a Way to Replicate Current Landsat Capabilities in a single SmallSAT Configuration
  - Constellation Approach Possible, but Drives Additional Costs, Eliminating Costs Savings for Smaller Spacecraft
- Working with NASA on System Architectures for Landsat 10 and Beyond
  - NASA ESTO Studies
  - Sustainable Land Imaging Studies
  - Study Results Will be Used to Inform Plans and Ops Con for Future Landsat Mission Procurements
- Other Applications Besides Landsat/Land Imaging Likely to Emerge as SmallSATs Become more Common