

U.S. Geological Survey Stakeholder Outreach

- USGS Requirements, Capabilities & Analysis (RCA) activity
- Landsat Science Team
- National Geospatial Advisory Committee - Landsat Advisory Group
- USGS Fort Collins Science Center Surveys and Case Studies
- Department of the Interior Remote Sensing Working Group
- Office of Science & Technology Policy-led Earth Observation Assessment
- U.S. Group on Earth Observations (USGEO)
- National Research Council Earth Science Decadal Survey
- Landsat Ground Station Operators & Technical Working Groups
- AmericaView Nationwide Consortium for Remote Sensing
- Committee on Earth Observation Satellites (CEOS)
- Intergovernmental Group on Earth Observations (GEO)
- Joint Agency Commercial Evaluation (JACIE) Workshop
- Day-to-day interaction with users, meetings, conferences, workshops

From Needs to System Requirements

- Assemble and review collective body of user needs and applications
- Develop detailed lists of requirements associated with these needs (e.g., land surface temp, vegetation condition, landcover type, etc.)
- Capture forward-looking and “breakthrough” requirements
- Develop attributes that define key aspects of each requirement (e.g., collection frequency, resolution, spectral aspects)
- Conduct analyses to identify adequacy of current or proposed systems to meet requirements
- Account for partnership opportunities to meet needs
- Conduct technology analysis and assessments, where scientists and engineers engage with user groups to help define the system requirements (sensor specs, orbit, and ground segment)
- Conduct trade studies to develop optimal system capabilities and configurations to meet continuity and emerging needs within budget