

# CEOS LSI Constellation Progress Report

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## Progress Since Plenary and SIT-22

- February Study Team Meeting in Sanya, China.
  - Reviewed and reflected on 2007 activities.
  - Look strategically at LSI Constellation activities.
- Prepared a LSI Constellation 2008 Work Plan.
  - Complete unfinished tasks from 2007.
  - Initiate a new radar focus area.
  - Compile regional data sets over selected areas.
- Briefed Landsat Science Team and Interagency Meeting on Forest Mapping and Deforestation.
- Progressing with Work Plan implementation.

## 2007 Task Completion – Status & Plans

- Three Cooperative Project Plans developed to add substance to the 2007 Declaration of Intent.
  - Disappointing response to the invitation to agencies with mid-resolution systems to participate in those projects.
  - In cooperation with WGISS, progress is being made toward the development of a common website to enhance user access to mid-resolution system information and data.
- The SEO is taking on lead responsibility for completing development of standards for mid-resolution systems of the future.
- LSI Constellation is in the process of providing needed data to the FRA2010 Project.

## Radar Focus Area – Status & Plans

- Terms of Reference have been written for the Working Group on Radar (WGR).
- WGR Co-Chairs have been selected, and they in the process of soliciting working group members.
- WGR will lead overall definition and implementation of work required to establish meaningful LSI Constellation activities in the area of radar land surface imaging.
- LSI Constellation radar activities will be project focused than have activities related to mid-resolution optical systems.
- The first project to receive such focus will be GEO Task AG-09-01b: *Forest Carbon Tracking*.

## Regional Data Set Compilation – Status & Plans

- Terms of Reference have been written for the Working Group on Regional Data Set Compilation (WGRDSC).
- Co-Chairs are working to complete membership selection, and the first meeting of the WGRDSC will be held soon.
- WGRDSC will select 1-2 sub-continental sites for which mid-resolution agencies will provide existing data and acquire new data to achieve full coverage of the area(s).
- WGRDSC is responsible for identifying existing data and proposing a strategy and schedule for acquiring new data.
- The regional data compilations will become part of the GLS 2010, and the activity will help prototype GLS 2010 efforts.

## LSI Constellation Relevance to GEO

- The CEOS LSI Constellation expects to facilitate a wide range of land remote sensing applications important to the global society.
- Current LSI Constellation activities of practical and potential importance to GEO and its activities include:
  - Projects designed to enhance cooperation among CEOS agencies and benefit users of LSI data and through them the global society.
  - Providing data to the FRA2010 Project.
  - Developing and implementing a strategy for enhancing the value to society of current radar land surface imaging systems.
  - Developing compilations of mid-resolution data over regional areas as a prototype for providing data to the GLS 2010 Project.