

NASA's Land-Cover/Land Use Change Program

Wrap-up, Future Plans,
Final Remarks

Garik Gutman,
NASA Headquarters
Manager, LCLUC Program



ST Meetings

- Feedback from the PI's
 - Format: less oral talks - mostly joint topical reviews, more discussions
 - Continue with the Early Career Scientists session
- New website
 - Building the database (info on collaborators in the project, data, educational info) – PLEEEASE, be responsive
- Identifying programmatic gaps, discussing new directions
- Each ST meeting has a special focus
 - Invite international partners to attend
 - Have an invited key note speaker?
- International: enhancing linkages with international programs and regional networks
 - Related to large international programs (e.g. NEESPI, MAIRS)
 - Related to GOFC-GOLD regional networks

Future Steps: Data Products

- Identify GLS Quality issues
 - Stability
 - Consistency
 - Gaps
 - Seamlessness
 - QC of the gap-filled L-7 data
 - Scene selection
 - Potential and limitations of the long-term time series sampling
 - Geodetic correction
- Develop Global Forest Cover at 30-m resolution and change products
- Foster synergy between the GLS projects; work on synthesis
- Test potential of the full archive of available data (seasonal composites)
- Work on special products, e.g. global urban, crops, water mask, etc.
- Develop GLS-2010 and start preparing for global annual mapping from LDCM and Sentinel-2
- Continue international efforts (under CEOS) towards virtual constellation of other partners (INPE, ISRO, etc.) and work on compatibility of production
- Continue promoting the REAL constellation concept of compatible sensors launched in coordinated fashion to achieve global, daily coverage for producing MODIS-like suit of land products

Solicitations

- Small contributions to non-NASA ongoing international projects programs (mid-term) – Do we need anything like this again?
- ROSES-2009 LCLUC to be selected in September
- Selected IDS have been posted
- ROSES-2010 non-LCLUC calls
 - United States Participating Investigator (USPI) element in ROSES-2010 (SALMON in ROSES-2008)
 - develop access of NASA-affiliated researchers to foreign space agencies assets
 - may be as a Co-Investigator (Co-I) for an instrument, experiment, or technology demonstration that is being built and flown by a sponsor agency other than NASA
 - Carbon Cycle (joint with USDA)

What we have heard from the community at this meeting – **do we have this right?**

- Narrowing the focus of the LCLUC NRA calls to reduce # of proposals is OK
- 1-2 larger team synthesis proposals should be solicited which would include detection, process synthesis and prognosis components (LCLUC/IDS)
 - e.g. institutional changes and LCLUC FSU, China Urban expansion global teleconnections
 - Move towards a Community Land Use Model in step with NAS LUIWG Study
- An LCLUC Mini-workshop needed to flesh out LCLUC Adaptation Science
 - Attendees to start the process at the GLP Meeting
 - Community champions needed to plan organize a workshop
- An LCLUC Mini-workshop of GLS/Measures Synthesis and Next Steps
 - Annapolis 3: what can we say using current data sets, what are the gaps, what is our next strategic push on data sets
- The Spring Meeting Format is GOOD
 - Review Presentations and longer discussions
 - Breakouts to identify issues needing more attention
 - Student Session and Posters

Future Steps: Programmatic

- Social science component in LCLUC projects to become an integral part of EACH proposal (on science!)
- Balance the program thematically and geographically (not in one year!)
- Foster global products generation
 - Develop synthesis of global forest from GLS projects
 - More emphasis on non-forest land-cover types
- Promote our products internally and externally
- Start planning the second LCLUC program book
- Develop LCLUC calls on a regular, annual basis
 - Step-1 Dec 1, Step-2 June 1
- Revise the solicitation procedure (re. 2 steps)?
- New, improved LCLUC website
- Continue the twice-a-year ST meetings structure

The Future LCLUC Science Team Meetings

- Aug 2010: Tartu, Estonia
 - The agenda is practically ready
 - Most speakers are confirmed
- Apr 2011: DC area
 - 15th anniversary Cherry Blossom ST meeting
- Fall-Winter 2011
 - SE Asia, follow up on the MAIRS-LCLUC



See the website for LCLUC-related Meetings.

GLP Open Science Meeting in Arizona, Oct 2010
Deadline May 15



Thank you,
Enjoy
Spring time