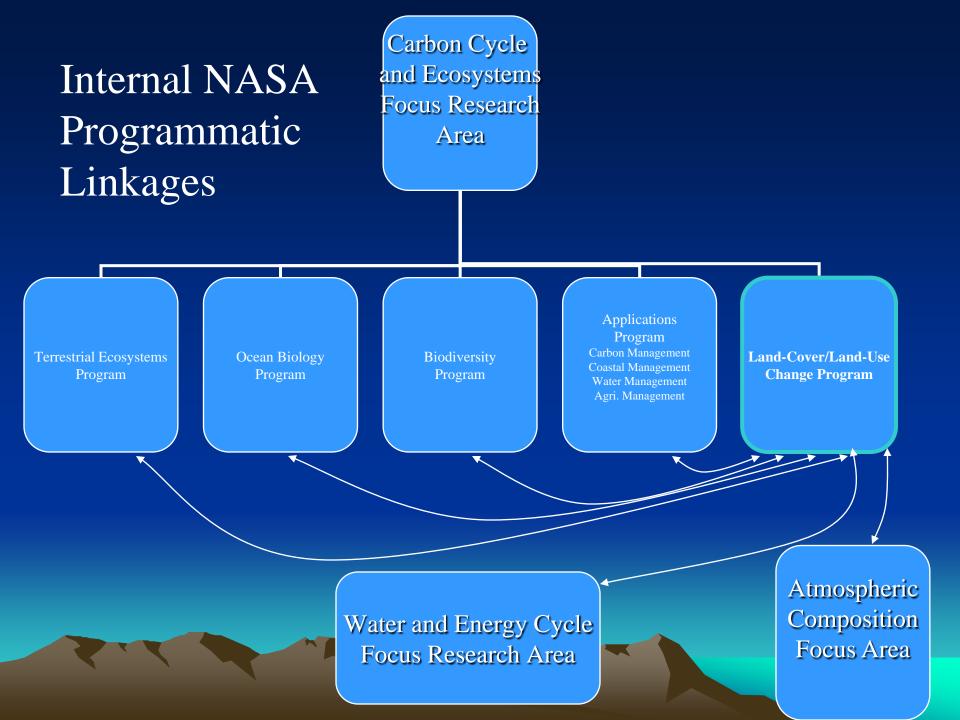
NASA's Land-Cover/Land Use Change Program Welcome to the LCLUC Cherry Blossom ST Meeting

- Status of the LCLUC program
 - Internal and external linkages
 - Activities and reporting
 - Regional Initiatives
 - DB Component
 - Data issues
 - LCLUC-related projects
 - NRA's
- Future plans





External Linkages

- National
 - U.S. Climate Change Science Program LULC element)
 - USGS (Landsat-based Global Land Surveys)
- International
 - GTOS/Global Observations of Forest Cover and Land-cover Dynamics (GOFC-GOLD) – International Project Office (IPO) in Canada
 - IGBP
 - Global Land Project (GLP) IPO in Denmark
 - Integrated Land Ecosystem-Atmosphere Processes Study (iLEAPS) – IPO in Finland
 - Northern Eurasia Earth Science Partnership Initiative (NEESPI) – IPO in Finland
 - Monsoon Asia Integrated Regional Study (MAIRS) IPO in China

Assembling the LCLUC Team

- Science Team consists of LCLUC research funded through various elements in NASA programs but administered under LCLUC Program
- LCLUC Program
- EOS Program
- IDS Program
- Carbon Cycle Program
- Water Cycle Program
- ACCESS/MEASURES
- Students Fellowship Program
- New Investigator Program

LCLUC Program Make-up



Total ~60 projects

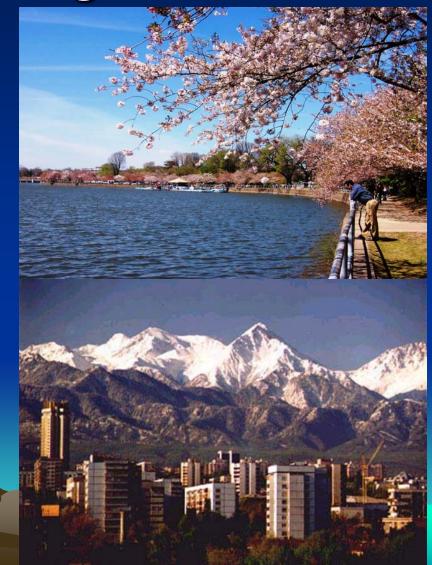
 LCLUC Monitoring/Modeling
 LCLUC/Carbon Cycle
 LCLUC/Water Cycle
 LCLUC/Climate, Environment, Biodiversity

LCLUC Science Team Meetings

National Spring "Cherry Blossom" Washington, DC area

International Fall 2008 (shifted to Jan'09) Khon Kaen, Thailand

2009 September Almaty, Kazakhstan



ST Meetings' Objectives

- -program status
- -feedback from the PI's
- identifying programmatic gaps, discussing new directions
- -Format: less oral talks (mostly joint topical reviews), more discussions
- International: enhancing linkages with international programs and regional networks

Reporting and Communication

The Web site: <u>http://lcluc.hq.nasa.gov</u>

- Project Abstracts
- Progress reports
- Presentations
- Project update: 1 slide (bullets + visual)
- Posters as ppt presentations!
- Lists of publications and references
- Project metadata and data set links
- Sensitive info to me by separate <u>e-mail</u>
- Submit these materials to Kelly on an ongoing basis to ensure accurate reflection of all the great work you are doing
- PI's are encouraged to host their own websites to showcase their results in more detail and to make their data sets available- provide links.
- Announcements, events, job ops, news
- Forthcoming meetings
- Outreach (discoveries, journal covers, LCLUCers in the news, books)





Submit Form

LCLUC Project and Data Set Information Form

Fields in Red are Required

Grant Number:	
Project Title:	
Project Call:	Earth Observing System
Science Theme:	Detection and Monitoring
Regional Initiative:	Large Scale Biosphere-Atmosphere Experiment in Amazonia
Project Start Date (mm/)	/yyy):
Project End Date (mm/y	yyy):
No-cost Extension Until	(mm/yyyy):

Abstract:



Submit Form

Information about the Project Members

Project Members (add as many as necessary)

+	Add	Anot	her M	lem	ber
T	Auu	Allou	ICI IV	enn	Dei

- Remove Last Entry

Row ID		Name	Role
	Name:	Title:	
	Dept:	Inst:	O PI
	Email:	Phone:	C Co-Pl C Co-Investigator
0	Address 1:		Collaborator Non-US Collaborator
0	Address 2:		C Fellow
	City:	State:	O NIPs O Other
	Zip/Country Code:	Country:	Specify if Other:
	Personal Website:		

LCLUC Education

• Each PI will provide

- information on MS and Ph.D.
 students graduating during and after the project
- Thesis title, dates
- Statistics on LCLUC educational "products" will be collected
- Students achievements (awards, discoveries)
- All this info together with recent selections from NASA Student Fellowship solicitation will be listed on the LCLUC web site



Information about Funded Students



	ded Students/Researchers d as many as necessary)	Both Past and Present	
	+ Add Another		
-	Remove Last Entry		
Row ID		Name	Academic Level
	Name:	Graduation Year:	
	Thesis Title:		O Postdoc O Graduate
)	Publications:		O Undergraduate O Other
	Awards:		Specify if Other:
	Name:	Graduation Year:	
	Thesis Title:		C Postdoc C Graduate
1	Publications:		O Undergraduate O Other
	Awards:		Specify if Other:
	Name:	Graduation Year:	
2	Thesis Title:		C Postdoc C Graduate
	Publications:		O Undergraduate O Other
	Awards:		Specify if Other:

Kudos

- To Kelley and Tres to incorporate the new "information engine" on the website
- To Lydia for developing the new brochure



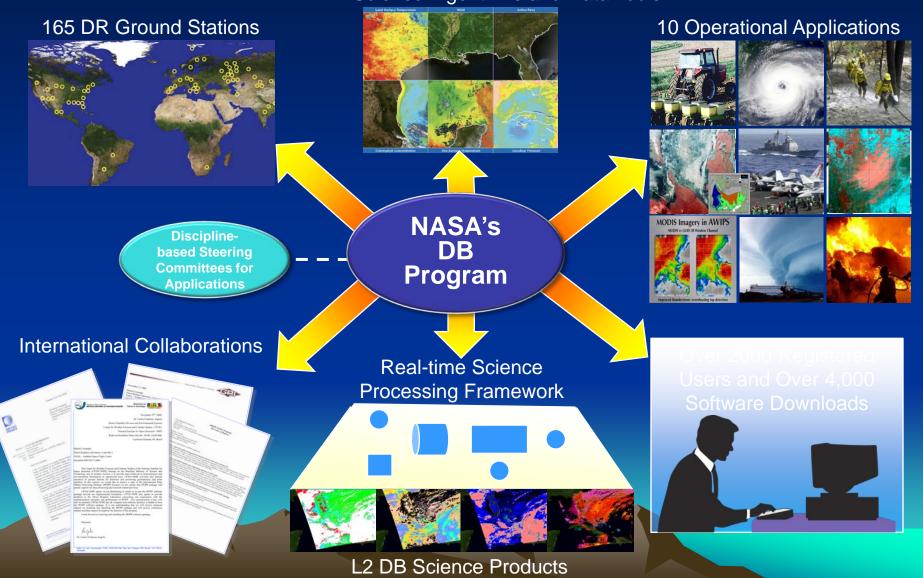
Support of Regional Initiatives

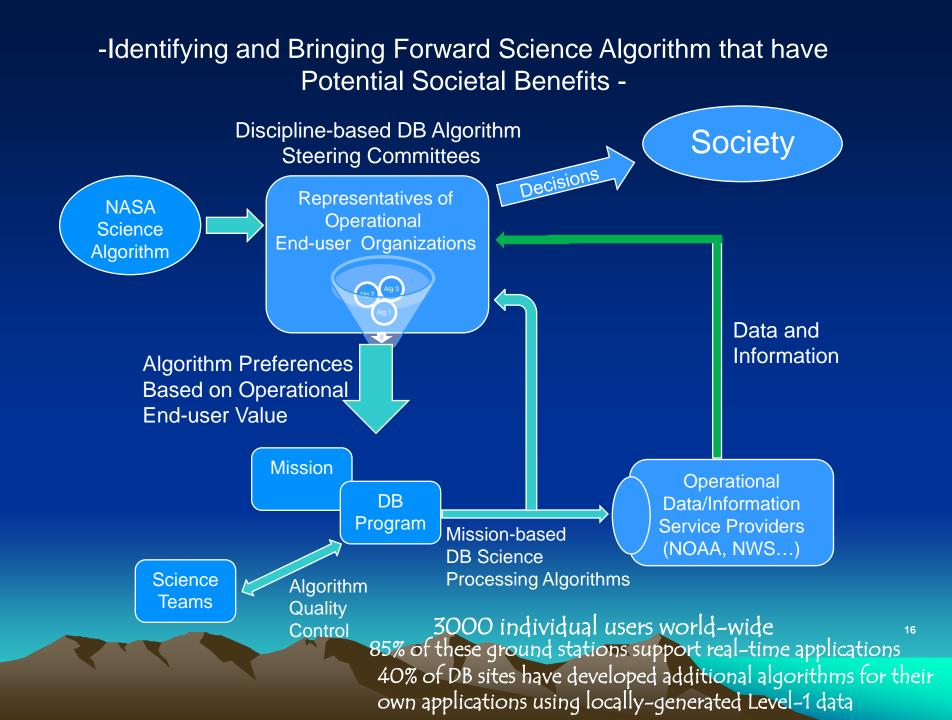
- LBA: Regional Field Campaign in Amazon
- CARPE: Central African Regional Project on the Environment in Congo Basin (with US AID)
- MAIRSNEESPI
- Next: South Asia to supplement MAIRS
- Next: South America (non-Amazon programs)





Direct Readout Component 14 L2 DB Science Algorithms and Data Tools





LCLUC Data Issues

- NASA promotes the free and open sharing of data
- LCLUC expects its PI's to make their data and products available to the broader community
- Metadata page on the LCLUC web site
- LCLUCers use established Land Cover data distribution centers (EROS, GLCF,TRFC)
- Data sharing is encouraged, some available through the Land Cover Project Office at GSFC



Information About Data Sets

And al American Deter Cot

+ A	dd Another Data Set				
-	Remove Last Entry				
Row			Data Set Meta	data	
	Data Set/Document Name:				
	Product File Type:	PDF			
				URL to Data:	
	Publication Year:			Data Keywords:	
	Temporal Resolution:			Upper Left Lat (dd):	
0	Spatial Resolution:			Upper Left Long (dd):	
	Sensors Used: (ctrl-click for multiple)	None AATSR		Lower Right Lat (dd):	
		ALOS ASAR - Envisat		Lower Right Long (dd):	
		ASTER		Other Sensor:	
		ATSR		L	
		AVHRR AWIFS			
		Cartosat			

Submit Form

Global Land Surveys (GLS)

- NASA-USGS GLS-2005 dataset based on L-5 and -7 data was developed for 2004-2007 period: <u>Complete and</u> <u>available at USGS EROS data center</u>
- The next Landsat (LDCM) data not earlier than 2013
- Landsat-7 mechanical problems may affect satellite longevity, Landsat-5 is celebrating its 25th anniversary.
- NASA-USGS joint effort on the decadal dataset (GLS-2010) similar to GLS-2005, i.e. Lansat-based
- In parallel: backup plan that would involve international contributions from non-US sensors in conjunction with the USGS-led Land Surface Imaging constellation

Ongoing Projects and Research Announcements

- EOS and MEASURES (mid-term)
- Carbon Cycle/LCLUC projects (mid-term)
- GLS LCLUC Products projects (final year)
- LCLUC Projections round (mid-term)
- Recent selections
 - Climate impact on land use, adaptation (9 projects)
 - Small contributions to non-NASA ongoing international projects under NEESPI and MAIRS programs (9 projects)
- ROSES-2009: no LCLUC call
 - But IDS has LCLUC-relevant elements watch the website

Future Plans

- Enhance social science component in LCLUC projects, especially in extra-tropical regions
- Foster GOFC-GOLD regional activities and international global initiatives: Expand to S.Asia and S.America
- Promote integration of LCLUC processes in climate models and assimilation schemes
- Synthesis of global forest cover from Landsat
- Facilitate development of land-cover/change products from the available reprocessed historical GLS datasets
- Develop GLS-2010
- Prepare LCLUC call for ROSES-2010

Thank you Enjoy Washington in bloom!