

Wrap Up Session:
Issues from this Meeting and
Future Directions

Chris Justice

FEEDBACK From the Breakouts 1.

- **Landcover Product Suite Whitepaper**
 - Refine whitepaper based on this workshop – recirculate
 - Post on LCLUC Web Site end of April for Public Comment
- **Recommend forming a Landcover Measurement working group**
 - to further refine the potential Landcover ESDR's
 - continuing the discussions initiated here
 - provide advice on MDGLS??

Land Measurement Teams - Possible WG Construct

Measurement EXCOM /Measurement Team Leads
(address crosscutting and overlapping
issues interact/participate w. MOWG)

Land Cover /Change
VCF, Fire/Burned Area
(SR, LST, NBAR)

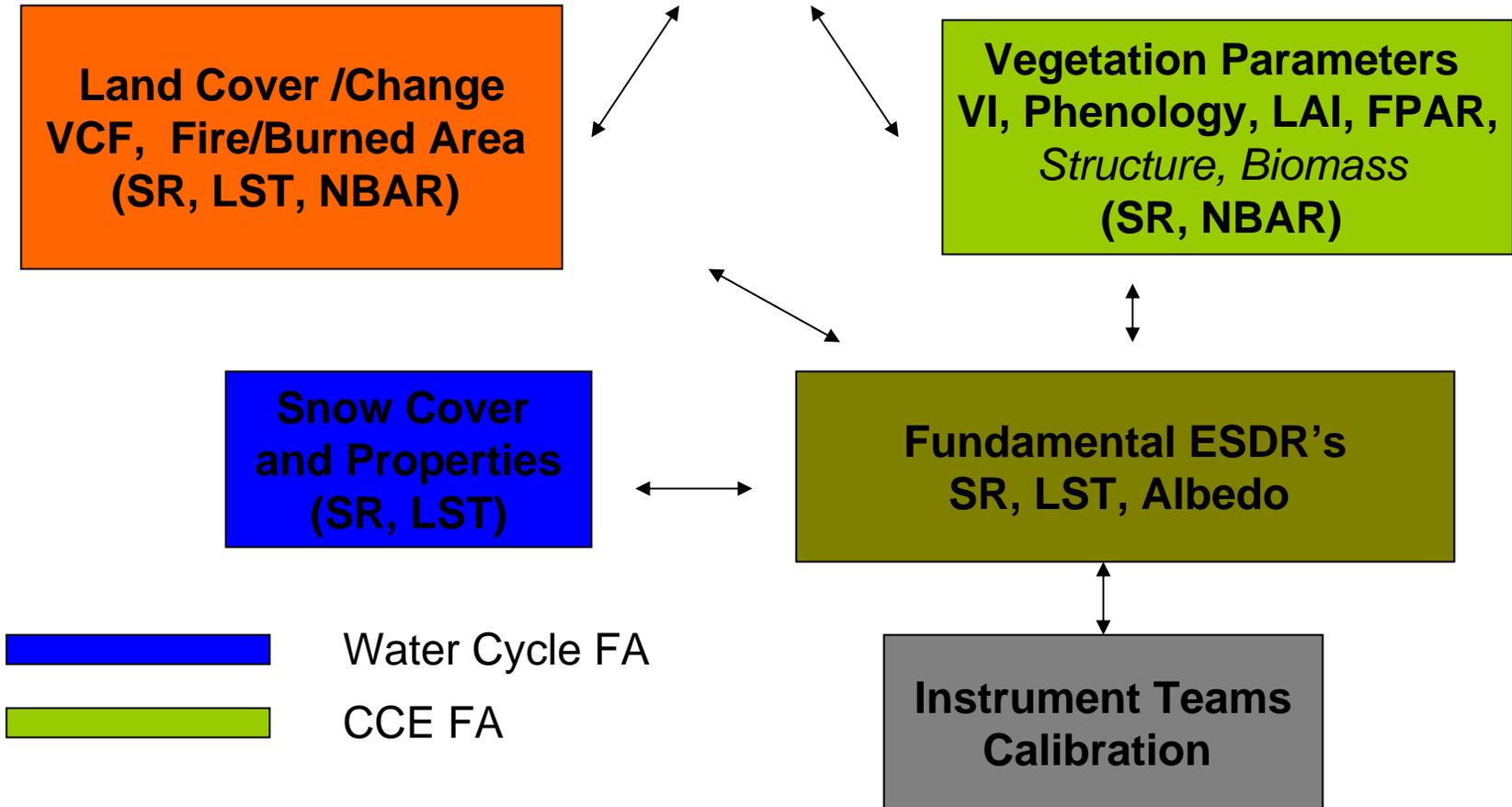
Vegetation Parameters
VI, Phenology, LAI, FPAR,
Structure, Biomass
(SR, NBAR)

Snow Cover
and Properties
(SR, LST)

Fundamental ESDR's
SR, LST, Albedo

Instrument Teams
Calibration

 Water Cycle FA
 CCE FA



FEEDBACK From the Breakouts 2.

Mid Decadal Land Data Survey

- **Project to include an external advisory group with periodic meetings (needs travel support)**
 - **Help decide on Landsat 7/Landsat 5 balance and additional satellite data to be included**
 - **Selection criteria algorithm**
 - **Advise on product requirements**
 - **Undertake inter-comparisons (taking advantage of LCLUC study areas and investigations)**
- **Create an MDGLS Page on the LCLUC Web Site**
- **Phase 1. to include an international component**
 - **Setting the stage for a bigger role in filling the data gap**
CEOS CVWG to initiate technical intercomparison
- **Start Phase 2 design (Jeff Masek lead)**

FEEDBACK From the Breakouts 3.

Data Gap Study (NASA/USGS)

- Would benefit from community input to the discussions**
- Is there a way to enable this ?**

Operational Pathway for Landsat (OSTP)

- Would benefit from community input to the discussions**
- Is there a way to enable this ?**

Discussion Point

- Given that we will have 1990/2000
- Could MDGLS be used to prototype the 30m ESDR?
 - What products would be generated?

LCLUC Data Sharing

- Emphasis over the next two years on PI's making their data available
- PI Web Sites making data available
- Metadata advertising on the LCLUC Web Site
- Initial testing of SAXTA for Landsat and ASTER data sharing – looking for volunteers interested beta-testers

Microwave Data for LCLUC

- ALOS NASA Agreement needs reinvigorating (tropics/boreal)
 - Action item for ALOS: NASA needs to sign the MOU with the Japanese Space Agency. This has been a problem that has not been resolved for almost 4 years.
- The European microwave data archive is officially free for science applications and LCLUC can make plans to receive data sets. We might ask them to improve their data processing capability to allow large scale data processing for the LCLUC mid-decadal application.

Future Directions

- **Next ST Meeting - Oct 06 (Water), April 07 Land Use Climate, Oct 07 Modeling**
- **Solving the Landsat Problem**
- **LCLUC role in Focus Area Activities**
 - Measurement Teams - Landcover suite
- **Strengthen ties with Applications**
 - Agriculture, Hazards etc
- **Decadal Survey needs community attention / feedback**
- **CCSP continued LCLUC participation**
 - Modeling study
 - LU and Carbon Joint Meeting
 - LU Assessment
- **Continued International Coordination and Cooperation**
 - GOFCC/GOLD, IGOL, CEOS LPV, Land Project
- **Program Rebalancing Needed**
 - Decrease in Human / Physical Integration
 - Look for funding opportunities

LCLUC Program Balance

- Balance tipped to physical science – carbon, ecosystems, water
- Need to restore the Land Use Science
 - Process of LU change (drivers?)
 - Modeling of LU change
 - Societal Impacts of LU
- How do we proceed?