Thoughts for the LCLUC Program from the presentations and breakout sessions

Increasing attention being given to human managed and human modified ecosystems (most terrestrial ecosystems) e.g. agriculture, forest and fire management - suatainability science

Challenge of modeling multiple stressors on managed systems e.g. combination and interactions of climate and land management changes, interacting disturbances

Examining 'end to end' impacts of Land Use / Land Cover Change
    - as a means for mitigating climate change on carbon and biogeochemical cycles
    - on regional climate (e.g. albedo and land atmosphere)
    - on human livelihood conflicts with biodiversity

Projecting Land Use adaptations to climate and socio - economic changes

Opportunities for a tighter connection between ESE science and applications (e.g. science underpinning for societal Land Use associated with Food Supply, Water Supply, Air Quality)

Importance of securing the Long Term Observations (backwards and forwards) for LCLUC Science
- mining the Landsat archive to LDCM and National Land Imaging
- mining the AVHRR archive to VIIRS and NPOESS

Opportunities from the proposed new systems for improved land cover characterization and land use monitoring