

LCLU Breakout

1) What should be the priorities for the NASA LCLUC program for the next 10 years

- 3 funding cycles
- Time-frame for new satellite assets
 - LDCM, VIIRS, EV2 TBD
 - Sentinels, CBERS, RADARSAT, also developing nation systems
- Need to fund development of land use mapping methodologies, recognizing that can integrate multi-resolution multi-sensor data to get land use, also integrate models, image understanding, GIS and census data
- Leverage the recently freely available high resolution cad4nasa data
- Leverage upcoming satellite systems, including evaluation of their capabilities with respect to potential limitations, and fusion of different data streams
- Need to fund/co-fund development of an annual repeat global 30m Land Cover Map

2) Should we be strengthening the Land Use aspects of the LCLU program – if so what are the priorities?

YES

- Need to fund development of land use mapping methodologies as (1)
- Reach out to / facilitate the integrated assessment modeling (IAM) community, understand LCLUC as a process that can drive IAM e.g., community census LCLU model
- Pull the social science questions into what the LCLU program can support
- Pattern to Process, Land Use and Change understanding
- Climate Vulnerabilities, Impacts and Adaptation
- Sustainability, water, agriculture and energy

3) Do you have any other recommendations for the program ?

- Improved PR/Outreach for LCLU to NASA management (funding) and wider community