

Case Studies Synthesis Group

Approach

- Types:
 - Vertical (putting social and physical together for same place)
 - Horizontal—comparing across regions
- Themes:
 - Understanding LCLUC drivers and consequences, commonalities and differences?
- Implications of land management on land cover/land use/biogeochemistry/climate
Coupled Natural Human Dynamics?
 - Interdiscipline: social, physical
 - GCRP themes: carbon, hydrology
 - Geographies: grasslands, tropics, boreal systems

Framework

- Framework for synthesis
 - Across Scales – local to regional integration
 - Urban/rural interactions
 - Land water interfaces
 - Data integration, fusion etc.

Research

- Fund 2 to 3 groups required to do strong social science, natural science, modeling, and remote sensing in a defined region. Linked to established groups rather than individuals. Proof you have already established and funded collaboration between social and physical scientists and producing quantitative result. Drive it with LCLUC. Two themes—urban/rural and agriculture (pasture/aquaculture)/forests

- Preparation for next round: development of a Community LCLUC Model
Identifying emergent or increasingly important drivers—urbanization and consequences
- Existing data sources are very diversified in terms of themes, sources, scales, etc. how can we use this for creating something new—Data synthesis
- What are the important questions, what do we have, what is missing?

Activities

- Activities in LCLUC that could lead to and support synthesis
 - Data exchange
 - Miniworkshops
 - On-going workshops
 - Meetings abroad
 - Regional working group
 - Funding continuing dialogue of peer review synthesis workshops with producing special issues—real products