Agenda: MSU- UM Project Meeting

LCLUC Synthesis: Ecosystem-Society Interactions on a Changing Mongolian Plateau

Date: September 30, 2014

Place: Center for Global Change (CGCEO), Manly Miles building, Suite 218, 1405 S. Harrison Rd., East Lansing, 48823

Participants: Jiquan Chen, Dan Brown, Ranjeet John, Changliang Shao, Ginger Allington, Peilei Fan, Hogeun Park, Wei Li, Yaoqi Zhang (Skype)

1400: Data synthesis: issues of data and metadata formats and distribution for the social science data before we query folks about data holdings, as well as general roles and responsibilities.

- End note library
- MSU (Ranjeet/Hogeun's PPT) and UM Data inventory lists
- Metadata compilation of existing databases for both teams
- Hosting of spatial data at MSU/UM
- Archive all presentation .ppts and scenario documents (Hogeun will upload to web server)
- Project web-page, with links to groups, descriptions of what they are doing, events, and opportunities (Hogeun has created a basic web page but it needs to be expanded on)
- Survey forms and instruments developed by Yaoqi Zhang (Auburn) & Amaraa (University of Humanities, Mongolia) will be hosted at MSU (Committee members Amaara, Maria, Yaoqi, Martin)
- Field spectrometry data and associated biomass data and species/communities data from Dr. Yichun Xie, in IMAR and in Mongolia (This will allow us to enhance our existing spectral library which we can use to assist Martin's spectral library work and future hyperspectral validation campaign.)
- Changliang is working with Gang Dong to upload flux data from EC flux towers x 4.
- We will need to agree on a list of files, content, and deadlines for delivery/sharing.

16:00 Model Synthesis

- Which model to be applied?
- Leader(s)
- Schedules?

1630 Communications, meetings, timelines, products, etc.

- Future meeting (Skype?)
- Scenario planning exercise paper (Maria Fernandez, Jiquan Chen, Dan Brown).

- Herders Advancement through Market Integration? (Amartuvshin Amarjargal, Mieke Meurs and Otgontugs Banzragch)
- Model data fusion exercise using TEM and biomass models with flux and soil data (Qianlai Zhuang, Ranjeet John, Maria Fernandez, Ochirbat Batkhishig).
- Simultaneous ASD spectral and post launch satellite overpass. Development of spectral libraries from ASD collections for scale up & validation (Martin Kappas, Ranjeet, Yichun Xie).
- Integrating existing data from various projects with models (Maria Fernandez, Jiquan Chen, Dan Brown+??).
- RAMS/WRF Regional Climate prediction of MG plateau based on different land cover trajectories & greenhouse RCPs (Nathan, Ranjeet, Xue Li).
- Agent based modeling (ABM) to study herder adaption to climate change and market forces pressure (Hogeun, Susie, Ranjeet, Peilei Fan, Dan Brown, Arika-Ligmann, Amaraa, Yaoqi).
- Grazing effects on energy exchange in a desert steppe on Mongolian Plateau (Changliang Shao, Jiquan Chen, Linghao Li, Ranjeet John).

1700 Adjourn

17:30 Group dinner

- Location TBD : (Gourmet Village Chinese Restaurant, 4790 S Hagadorn Rd, E. Lansing)