Telecon Agenda March 8 2016

Attendees: Bruce Wylie, Brad Rundquist, Rebecca Phillips, Mikki Eken

Subject: NASA RFP FOR CARBON MAPPING IN DAKOTA PRAIRIE GRAZING LANDS

1. Introductions

2. Project requirements with respect to MRV, CMS and REDD+…definitions according to Mikki and Brad

• Studies using remote sensing data products to produce and evaluate prototype MRV system approaches and/or calibration and validation data sets for future NASA missions;

• Studies that conduct MRV-related work in support of international REDD or REDD+ projects;

• Studies that address research needs to advance remote sensing-based approaches to MRV (e.g., quantification of forest degradation; independent assessment of the accuracy of airborne remote sensing observations of biomass and carbon stocks; use of airborne flux observations as an alternative method for quantifying net carbon emissions/storage).

• Studies to improve the characterization and quantification of errors and uncertainties in existing and/or proposed NASA CMS products, including errors and uncertainties in the algorithms, models, and associated methodologies utilized in creating them; and

• Studies of stakeholder interests and requirements that offer to 1) understand and engage the user community for carbon monitoring products and/or 2) evaluate current and planned NASA CMS products with regard to their value for decision making by these users and to assist in having existing products used for stake-holder activities. Priority will be given to proposals where potential stakeholders have in-kind contributions to ensure transfer of CMS activities into their own ongoing or future activity.

3. http://www.ecologicalinsights.org/#!prototype-mrv-map/dv9ww

4. Overview of previous discussions with Brad and Bruce (Rebecca)

CARBON FLUXES (NEP)

ABOVEGROUND CARBON (AGC)

BELOWGROUND CARBON (BGC)

Issues with reconciling flux data with field data. Monitoring Reporting and Verification programs need BGC data. Can we use AGC and/or NEP to estimate BGC with a scaling up approach?

5. Scale of current work and carbon research needs to meet the call (Bruce)

6. Can we think of a better to improve carbon estimates at large scales?

7. What can we really accomplish with the dollars and time available, given field collections, data processing, administration, data management and data delivery requirements?