**ECV Protocol Status Reports and Coordination Process – Camacho/Guillevic**

(link to slide presentation - <http://tinyurl.com/hj2ujpj>)

ECV protocol – proposed best practices is one of the main objectives for LPV

Land Product Protocol release schedule

LC 2006

LAI 2015

Albedo, LST, fAPAR, BA 2018

VI 2018

Biomass 2019

Phenology ET SM 2020

Main Requirements

Characterize in situ and val data at sat product resolution

Characterize uncertainties, identify issues w algorithm, data, geometry, satellite drift

Protocol template

Outline based on LAI (see presentation)

Doesn’t necessarily apply to all FAs

Expectation of Teams

Drafts for Albedo and LST are in GoogleDocs

After draft completed, will be distributed to community to gain consensus (community? listserv? LPV WG before or after community?)

Short term actions – look at outline, adjust for each product

Provide info about methods used in respective community

Upload existing protocol documents or references to previous validation work

Book captain for each protocol.

Identify one person to champion the document, edit, respond to comments.

MR: We have funding to help with this. Schedule. Want to get albedo out, work has started, there are references out there that can be used to start filling out the outline (i.e., definitions – GS paper on nomenclature). Scaling of albedos using geostatistical analysis, needs to be synthesized. Use the literature where we can to start building these so we build as little from scratch as necessary. Leads need to direct this, but we can help.

LST: Pierre leading, has expertise in this area.

BA: Progress with some drafts. Papers in the pipeline. Luigi says they can use part of the template for definition of variables, defining the metrics. In situ vs. satellite validation, that will be completely different.

LC: Will need update. Using 2006, recommendations paper, acceptable practices. Use the 2012 papers and the 2014 paper w Pontus and crew to develop a new protocol document.

Suggestion that the protocols for LC, particularly LCC, work with BA to be consistent with assessing changes and error occurrence. Need sampling techniques that allow them to visit changes where the changes occur. Use statisticians that work across different groups.

Schedule: Albedo, LST, Fire – Fapar, Snow – LC – SM, Biomass

SP: Vitally important that all protocols involve the widest possible community to assure the best document and global acceptance. Also needs to be a living document.

These points are both well understood. We should also revisit recommendations from the LAI protocol. May be some lessons learned here.