

The logo for the Advanced Land Observing Satellite (ALOS) program, featuring the word "ALOS" in a white, serif font against a background of a satellite image showing a river network in a forested area.

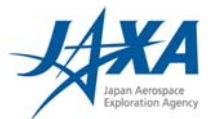
K&C Initiative
An international science collaboration led by JAXA

ALOS Kyoto & Carbon Initiative Science Team meeting #14

Meeting summary

Ake Rosenqvist, K&C Science Coordinator

Science Team meeting #14
JAXA TKSC/RESTEC HQ, Tsukuba/Tokyo, June 14-18, 2010



- K&C summary paper [Ake & Science Team] – for RSE special issue
- K&C information flyer (2000 printed copies) for IGARSS'10 [Ake, Tony, Shimada] & to be included in GRSS Newsletter
- CBD COP-10/Nagoya: “KC video loop” (Oct 18-29)
- Abstract & Generic K&C Phase 1 (&2) results presentation (for anybody to use) [Ake & Science Team]
 - AGU-Americas in Brazil August (Laura), AGU fall mtg (Bruce), Radarsat-2 Symp (Maycira), ALOS PI symp (Ake); AARSE in Addis Ababa Sept/Oct (Lisa)
- Product assessment :
 - Mosaic product quality assessment (absolute & temporal co-reg) and intercomparison by JAXA, JPL, JRC, OASU [lead: Bruce. Shimada, Paillou, JRC, Ake, Maurizio, Francesco] By: Late August
 - Borneo/Sumatra classification intercomparison [Nicolas SVM; JAXA eCognition, Dirk] Lead: Richard (?) and Nicolas Longépé (during early fall)
 - ScanSAR mosaic evaluation [Shimada, Lisa, Laura, Maycira, Bill, Bruce, Francesco]

Summary

- Science questions for KC#15
 - Forest Theme:
 - Forest/non-forest product generation methodology. Step-by-step
 - Forest/non-forest
 - LC
 - Forest change
 - Confusion issues (e.g. degradation, regrowth, analysis of Africa classification confusion etc.)
 - Wetlands Theme
 - Backscattering signatures
 - Discussion on the integration of PALAR products with approaches for modelling CH₄ emissions from wetlands [Bill Salas ?]
 - Nomenclature and classification systems
 - To result in a Wetlands synthesis paper (spring 2011)
 - Mosaic Theme
 - Outcome of the comparative study of mosaic products

Global Change Biology Remote Sensing of the Environment Special Issue

- Richard is in discussion with GCB-RSE Editor for a K&C Special Issue
- Both Forest and Wetlands Theme
- Science team members action – provide tentative paper titles and status of completion [planned; in draft; nearly completed etc.]
 - Lucas et al: *Recent response of mangroves to climatic and sea level change, Gulf of Carpentaria, Australia [ready by September]*
 - Lucas et al: *The potential for recovery off carbon stocks and biodiversity in the Brigalow Belt Bioregion, Queensland, Australia [ready by September]*
 - Rebelo, Seyoum, El Mograhby: *Future changes to the Sudd wetland: the potential impacts of upstream interventions [ready by September]*
 - Longépé, Shimada, Rakwatin, Isoguchi, Uryu: *Decadal change of forests in Sumatra [ready by Sept/Oct]*
 - Humberto de Mesquita: *Proposition of ScanSAR data near real-time monitoring tropical deforestation in Brazil [ready by November]*
 - Hoekman: *Consistent annual forest change monitoring in Borneo (by Nov.)*

Remote Sensing of the Environment Special Issue

- Maycira: Spatial distribution of geochemically different lakes in the Pantanal (by end of 2010)
- Maycira 2: Climatic driven spatio-temporal variability of aquatic vegetation in the lower Amazon floodplain (late 2010)
- Silvana: ALOS PALSAR ScanSAR data in the Brazilian Amazon Forest Monitoring System
- Bill Salas: Methane inventory for California using PASAR and MODIS [ready within 2 months)
- Bill: Java avian influenza risk mapping with PALSAR [by Nov]
- John Lowry: Wetlands health of the Alligator rivers region [by Jan/Feb 2011]
- Shimada + Hokudai + JFRC: Estimation of GHG emissions in central Kalimantan caused by peatland subsidence by InSAR [By Jan 2011]
- Shaun Quegan: Deforestation monitoring in central Sumatra
- Chapman: Orthorectification and calibration of ALOS K&C PALSAR mosaic data (end Nov.)
- Kevin Telmer: (end 2010)
- Ake: K&C intro paper (and 2010)
- Philippe: A new river somewhere... (end of 2010)