

ALOS

K&C Initiative
An international science collaboration led by JAXA

K&C project issues

KC#20

Remote Sensing of Environment K&C Special Issue



- 17 papers contributed, 14 accepted
- 2nd round of reviews ongoing
- Publication in 2014

Remote Sensing of Environment K&C Special Issue

1	Using time-series PALSAR gamma-naught mosaics for automatic detection of tropical deforestation: a test study in Riau, Indonesia	Takeshi Motohka
2	Observation of vegetation vertical structure and disturbance using L-band InSAR over the Injune region in Australia	Paul Siqueira
3	Land cover classification using PALSAR data: a semi-automated approach for regional (global) mapping	Nicolas Longepe
4	Evaluation of ALOS PALSAR sensitivity for characterising natural forest cover in wider tropical areas	Rajesh Thapa
5	Boreal forest change detection from ALOS PALSAR dual-polarisation data	Johan Fransson
6	Biomass assessment in Cameroon savanna using ALOS PALSAR data	Stephane Mermoz

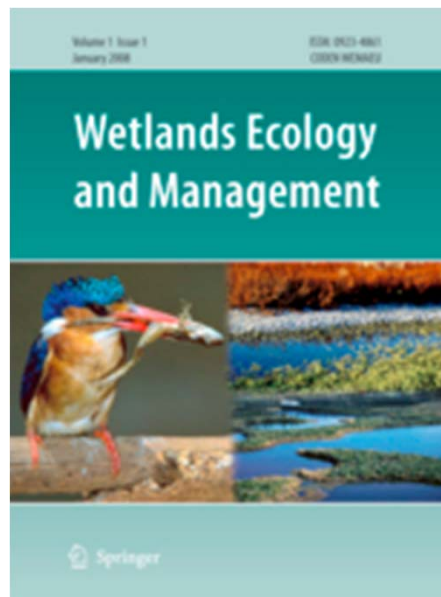


Remote Sensing of Environment K&C Special Issue

7	Growing stock volume estimation in Siberian forest from ALOS L-band polarimetric coherence	Tanvir Chowdhury
8	SAR interoperability: Filling the data gaps in continuous, wall-to-wall forest measurement	Anthea Mitchell
9	Mapping rice agriculture across Monsoon Asia with ALOS PALSAR	Nathan Torbick
10	L-band ALOS PALSAR for biomass estimation of Matang Mangrove, Malaysia	Hamdan Omar
11	Mapping forest growth stage in the Brigalow Belt Bioregion of Australia through integration of ALOS PALSAR and Landsat-derived Foliage Projective Cover (FPC) data	Richard Lucas
12	Large-Scale Habitat Mapping of the Brazilian Pantanal Wetland: A Synthetic Aperture Radar Approach	Teresa Evans
13	The ALOS PALSAR Global Systematic Acquisition Strategy: Assessment of its 4.5 years in operation	Ake Rosenqvist

Wetlands Ecology & Management Special Issue on

“Radar remote sensing of globally important wetlands”



WEM Editors have accepted K&C proposal
(caveat: *papers that simply deal with the reporting of developing technology in RS and contribute little science should be excluded*)

- Guest editors: Lisa Rebelo, Ake Rosenqvist & Maycira Costa
- Publication target: 2014

<http://www.springer.com/life+sciences/ecology/journal/11273>.



KC Issue: Radar remote sensing of globally important wetlands

Intro	The ALOS Kyoto & Carbon Initiative – enabling the mapping, monitoring and assessment of globally important wetlands	Rosenqvist & Rebelo
1	Geospatial analysis of multi-source Earth Observation datasets for the characterization of large inland wetlands	Lisa Maria Rebelo
2	Application of ALOS PALSAR data for Regional Detection of Mangrove Change	Richard Lucas
3	PALSAR-based estimation of potential fruit production from <i>Mauritia flexuosa</i> palm stands, Araça Indigenous Area, Roraima, Brazil	Alexander Hada & Bruce Nelson
4	PALSAR-based habitat and flood mapping in support of resource management and conservation at Mamirauá Sustainable Development Reserve, upper Amazon floodplain	Laura Hess
5	Biomass assessment in Cameroon savanna using ALOS PALSAR data	Tiago Silva & Bruce Forsberg
6	Mapping winter rice paddy habitat in the Sacramento Valley, USA with PALSAR and Landsat	Nathan Torbick & Bill Salas
7	Towards an operational SAR monitoring system for monitoring environmental flows in the Macquarie Marshes	Anthea Mitchell & Tony Milne
8	Defining lake geochemistry variability in the Brazilian Pantanal using radar satellite imagery	Maycira Costa

<http://www.springer.com/life+sciences/ecology/journal/11273>.

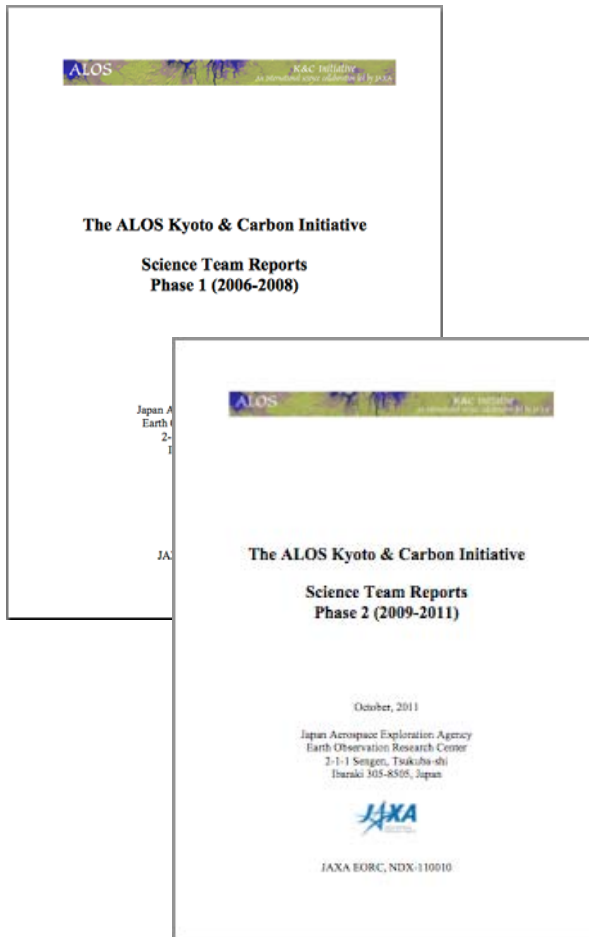
Phase 3 - final reporting

- K&C Phase 3 expires on March 31, 2014.

To be provided to JAXA:

- "Deliverables" according to your agreement (Art. 6).
- Ground truth data (Art. 6 c)
- Technical report (Art. 6e: "Summary report")

Phase 3 – Technical report



- Format: IEEE paper (same as Phase 1 and 2 reports).
- To be compiled into a Phase 3 Science Team Report compendium
- Submission deadline: March 31, 2014
- Word template will be provided.

A banner at the top of the slide features satellite imagery of a river delta system. The water is dark blue, and the surrounding land is shown in shades of green and brown, indicating vegetation and terrain. The text 'ALOS' is overlaid on the left side of the banner.

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Phase 4 ...