

ALOS

K&C Initiative
An international science collaboration led by JAXA

K&C project issues

KC#19

Remote Sensing of Environment K&C Special Issue



- 16 papers contributed, 13 accepted
- 2nd round of reviews ongoing
- Publication foreseen in late 2013

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
- Submission deadline: April 30, 2013
- Publication target: Early 2014

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



WEM K&C Special Issue

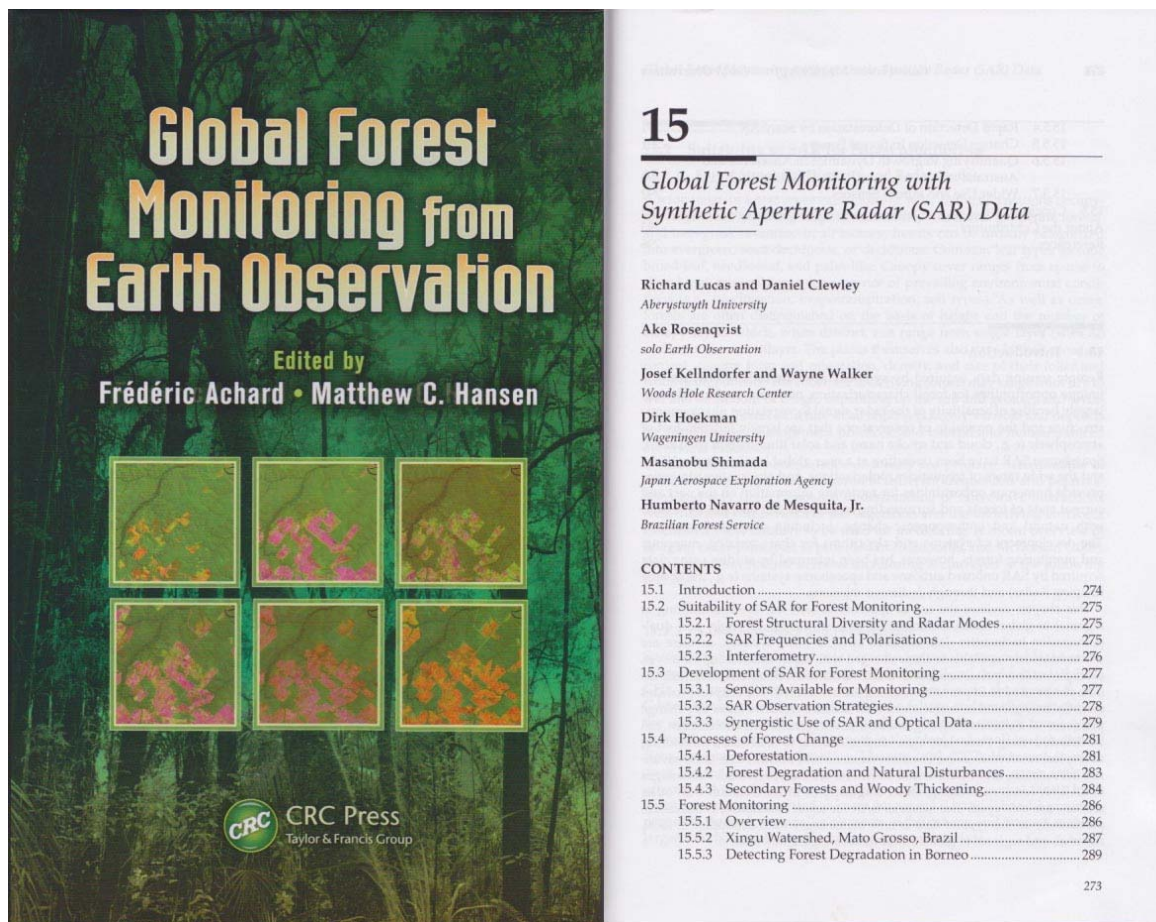
Intro	The ALOS Kyoto & Carbon Initiative – enabling the mapping, monitoring and assessment of globally important wetlands	Rosenqvist & Rebelo
1	Geospatial analysis of multi-source Earth Observation datasets for the characterization of large inland wetlands	Lisa Maria Rebelo
2	Application of ALOS PALSAR 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
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

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

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SAR book chapter in *Global Forest Monitoring from EO*



K&C authors:
Richard Lucas (lead)
Ake Rosenqvist
Masanobu Shimada
Josef Kellndorfer
Dirk Hoekman
Humberto Mesquita

Published Jan 2013



IPCC GPG Wetlands Supplement

- K&C input to the Second Order Draft of the 2013 Supplement to the *2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands* (Wetlands Supplement)
- Deadline for comments April 7, 2013
- Comments provided by Ake, Richard, Haruyama-san. (Anybody else?)

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The Wetlands Encyclopaedia (Richard)

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EARTH OBSERVATION

RADARSAT-1 Malfunction

by Staff Writers

Longueuil, Canada (SPX) Apr 10, 2013

On March 29, 2013, Canada's first Earth Observation satellite, RADARSAT-1, experienced a technical anomaly.

As a result it entered into "safe mode", a semi-dormant state by which the spacecraft conserves energy. This provides the Canadian Space Agency's (CSA) operations team with the required time to investigate and assess any necessary remedial action.



illustration only