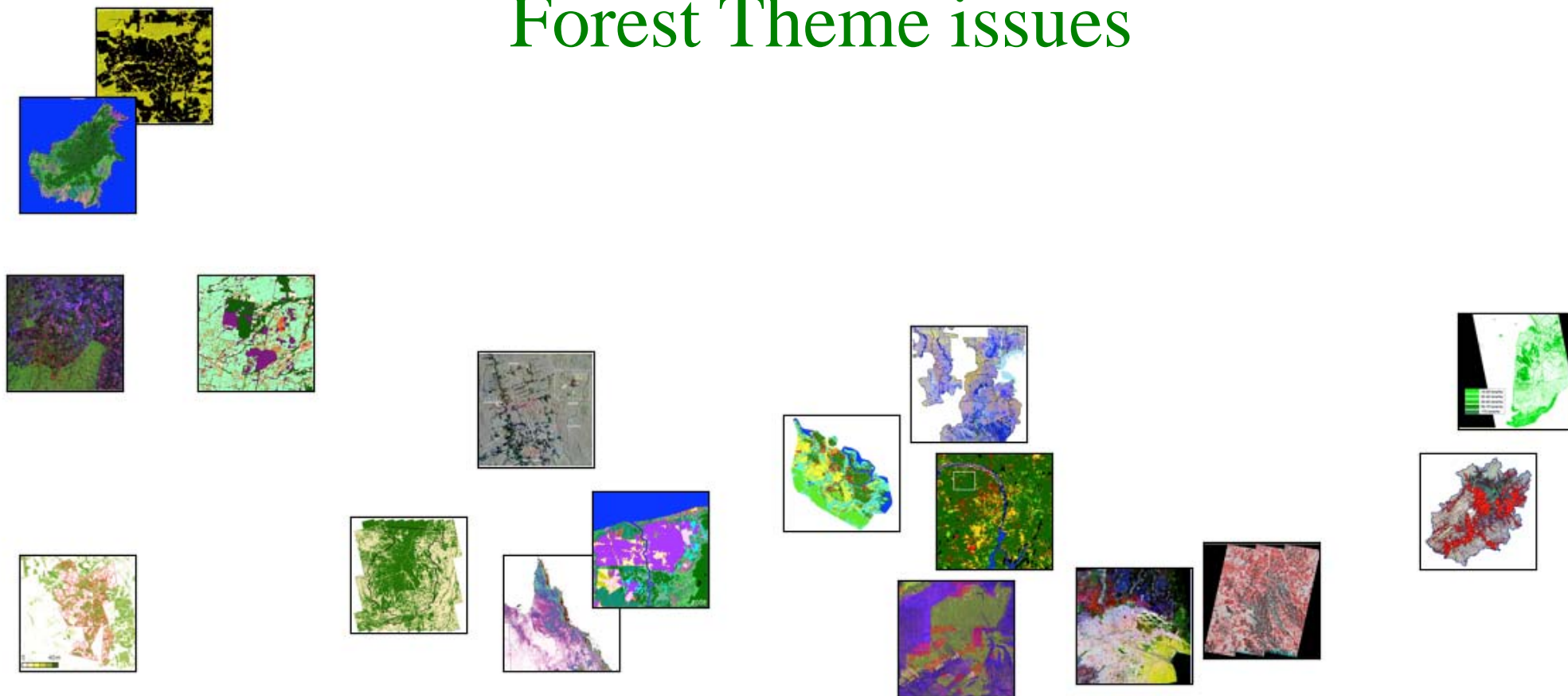


Forest Theme issues



Topics

- Procedures for member contributions to the EORC FNF mapping effort
- K&C Journal Special Issue
- PALSAR book chapter
- DLR proposal to JAXA and K&C members: TanDEM-X/PALSAR synergy
- K&C Mosaic Homepage: complete 50 m mosaics on-line
- AOB

Validation and improvement of EORC forest/non-forest maps

- JAXA will provide (according to the agreement) tiles of the FNF map to K&C science team members for assessment
- First version of the mosaic does not need "formal" validation, as revision is now on-going
 - JAXA will continue the use of eCog-based thresholding
 - KC members to indicate images inconsistencies, whereas JAXA makes initial (regional) adjustment of the algorithm
- "Formal" validation of v.2 of the FNF map

Journal of Forest Ecology & Management Special Issue

- Richard is in discussion with ~~GCB-RSE~~ Editor for a K&C Special Issue
- Both Forest and Wetlands Theme
 - 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 of 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.)*

- 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)

ALOS book chapter in *Global Forest Monitoring from Earth Observation*

- New book series new series of books on Earth Observation and Global Change, by Taylor & Francis Publishing group.
- Special issue edited by Frederic Achard (JRC) and Matt Hansen (U. South Dakota)
- Invitation to K&C to contribute to one chapter: forest monitoring by SAR
- Contribution by Richard Lucas, Ake Rosenqvist, Masanobu Shimada, Dirk Hoekman, Josef Kellndorfer and Humberto de Mesquita submitted in March 2012
- Publication late 2012 (early 2013?)

DLR proposal to JAXA and K&C members: TanDEM-X/ PALSAR synergy

- Open to K&C members who are interested to assess TanDEM-X + PALSAR synergy
- List provided to DLR after last meeting (no response yet)
- Additional KC members interested – provide lat/long for ONE study site each (during KC#17)
- Updated list will be provided to Kostas P./DLR for assessment

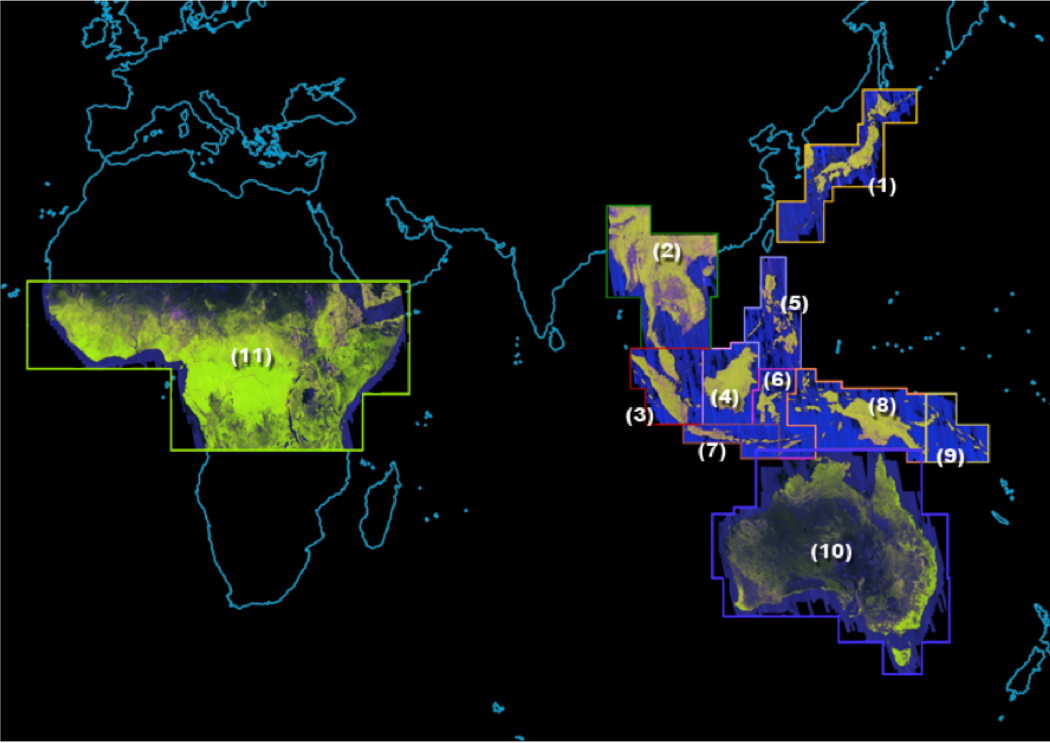
TanDEM-X/ PALSAR synergy - KC#16 input

K&C coordinates for TanDEM-X acquisitions

#	Name	Country	lat	long	Type	PI
1	Siepe	Costa Rica	8.8786	-83.5861	Mangrove	Lucas/Simard
2	Cienega Grande de Santa Marta	Colombia	10.7141	-74.4173	Mangrove	Lucas/Simard
3	Kakadu National Park, NT	Australia	-12.2165	132.2524	Mangrove	Lucas
4	Matang, Perak	Malaysia	4.7175	100.6250	Mangrove	Rosenqvist
5	Southwest Kalimantan	Indonesia	-1.8200	111.6100	Forest	Hoekman
6	Sungai Wain, East Kalimantan	Indonesia	-1.0833	116.8333	Forest	Hoekman
7	Harapan, Sumatra	Indonesia	-2.2000	103.3800	Forest	Hoekman
8	Brown River, Kokoda	Papua New Guinea	-9.5000	147.5000	Forest	Milne
9	Howland Forest, Maine	USA	45.2039	-68.7397	Forest	Kellendorfer
10	Xingu Basin	Brazil	-13.0224	-52.3790	Forest	Kellendorfer
11	Mathinna, Tasmania	Australia	-41.3866	147.7654	Forest	Milne
12	Takone, Tasmania	Australia	-41.1915	145.6048	Forest	Milne
13	Warra, Tasmania	Australia	-43.1093	146.9017	Forest	Milne
14	Rimba Raya - North (REDD+ project)	Indonesia	-2.8500	112.2250	Peat	Rosenqvist
15	Riau/Sumatra - north site	Indonesia	1.1600	101.9200	Peat swamp	Orbita/LAPAN
16	Riau/Sumatra - south site	Indonesia	-0.0500	102.6500	Peat swamp	Orbita/LAPAN
17	South Leyte Island	The Philippines	10.4520	124.9230	Forest	Tavora/De Alban
18	Gen. Nakar, Quezon	The Philippines	14.9500	121.3500	Forest	Tavora/De Alban

K&C Mosaic Homepage - PALSAR 50m Orthorectified Mosaic Product

Please click the area (area in which it is painted) which jump to downloadpage.



(1) Japan
(2) Indochina
(3) Sumatra
(4) Borneo/Kalimantan

JAXA EORC K&C Mosaic Homepage

JAXA actions:

- replace current mosaics with versions that also include radiometric correction for topography
- include all global areas
- years 2007-2010
- (recommended: generate 50 m versions of JAXA Global 25 m mosaics)
- JERS-1 SAR mosaics 50 m

AOB

- Possibility to provide the ALOS RSP maps as KML?
- Other issues?