

The logo for the Advanced Land Observing Satellite (ALOS) program, featuring the letters 'ALOS' in a white, serif font against a dark blue background.A banner for the K&C Initiative, featuring a satellite image of a river delta in shades of green and blue. The text 'K&C Initiative' is in a white, serif font, and 'An international science collaboration led by JAXA' is in a smaller, white, serif font below it.

*K&C Initiative*  
*An international science collaboration led by JAXA*

## **K&C Product Delivery Report and Schedule for 2010**

Humberto Navarro de Mesquita Junior  
Brazilian Institute for Environment and Natural Renewable Resources  
- IBAMA

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

## K&C deliverables

### Papers and Reports

#### 1. Published (please provide PDF file)

- K&C Phase-1 report
- "Significant finding" on K&C Wiki
- MESQUITA JUNIOR, H. N.; SILVA, M. C.; SOUZA, R. A.; FREITAS, D. M.; DUPAS, C. A. ALOS PALSAR to Complement an Operational Amazonian Deforestation Monitoring Systems. In: SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 14. (SBSR), 2009, Natal. Anais... São José dos Campos: INPE, 2009. p. 7339-7346. DVD, On-line. ISBN 978-85-17-00044-7. Report available at: <<http://urlib.net/dpi.inpe.br/sbsr@80/2008/11.17.20.57>>. Acesso em: 14 jun. 2010. Paper x (journal/proceeding reference)
- MESQUITA JUNIOR, H. N.; SILVA, M. C.; SOUZA, R. A.; FREITAS, D. M.; DUPAS, C. A. , VALERIANO, D. M. - K&C Science Report œ Phase 1 Law Enforcement Deforestation Assessment in:K&C Science Report available at: <[http://www.eorc.jaxa.jp/ALOS/en/kyoto/phase\\_1/KC-Phase1-report\\_Mesquita.pdf](http://www.eorc.jaxa.jp/ALOS/en/kyoto/phase_1/KC-Phase1-report_Mesquita.pdf)> (report).
- XAVIER, E. A.; FREITAS, C. R.; SOUZA, R. A. Análise de corte seletivo na Amazônia Legal em imagens ALOS PALSAR a partir de verificação por modelo de mistura espectral em imagem CBERS. In: SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 14. (SBSR), 2009, Natal. Anais... São José dos Campos: INPE, 2009. p. 7521-7527. DVD, On-line. ISBN 978-85-17-00044-7. Report available at: <<http://urlib.net/dpi.inpe.br/sbsr@80/2008/11.17.20.07.41>>. Acesso em: 14 jun. 2010.

#### 2. Submitted/in preparation (all presented here are planed)

- INDICAR a possible solution for an operational RADAR satellite monitoring system for Amazonian Vegetation (SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 15, abri 2011)
- ALOS – AVNIR, PRIS and PALSAR to monitor small vegetation remnants of Atlantic Forest (SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 15, abri 2011)
- ALOS polarimetric approach to monitor deforestation in East of Pantanal Vegetation (SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 15, abri 2011)
- Interferometric analysis for to analyse Amazonia vegetation changes in Alta Floresta-MT (SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 15, abri 2011)
- Evaluation of ALOS Palsar to monitor Brazilian Vegetation: Cerrado, Pantanal, Pampa, Caatinga and Atlantic Forest (SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 15, abri 2011)
- Deforestation Monitoring using PALSAR data a case study at Cumarú do Norte (SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 15, abri 2011)

## K&C deliverables

### Data sets and Thematic products (mosaics, classification maps etc.)

#### 1. Completed and Delivered to JAXA

- *Report Phase 1*
- *Papers*
- *Posters with mid term results*

#### 2. Completed, but not yet delivered

- *Results of INDICAR system?*
- *Photos of field validation?*
- *Indicative documents produced for Enforcement Law Agents?*

## K&C deliverables

### Data sets and Thematic products (mosaics, classification maps etc.)

#### 3. To be completed during 2010

- *K&C Booklet contribution with latest results (during KC#14)*
- *Report Phase 2*
- *Polygons and Vectors of NDICAR System?*
- *Image Catalog with GEOTIFF zip compressed images and KML files.*
- *Geo Synchronized Photo Catalog – Field Checking Activities.*
- *Training of third countries (Japan and Brazil Cooperation).*