

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*

## **Product Delivery Report for K&C Phase 2**

**Edson E. Sano  
IBAMA/Brazil**

Science Team meeting #15  
JAXA TKSC/RESTEC HQ, Tsukuba/Tokyo, January 24-28, 2011

## K&C deliverables

### Papers and Reports

#### 1. Published

- K&C Phase-1: Law enforcement deforestation assessment (March, 2009)
- K&C Phase-2: to be prepared
- Contributions to K&C booklet: needs updating
  
- *Paper 1 (Proceeding)*

Mesquita Jr., H.N.; Silva, M.C.; Souza, R.A.; Moraes, D.F.; Dupas, C.A. 2009. ALOS PALSAR to complement operational Amazonian deforestation monitoring system. In: SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 14. *Proceedings...* Sao Jose dos Campos: INPE, p. 7339-7346.

## K&C deliverables Papers and Reports

### 1. Published

#### *Paper 2 (Proceeding)*

Nascimento, F.L.; Silva, F.V.; Silva, M.C.; Souza, R.A. 2009. Avaliacao dos metodos de segmentacao de nuvens e sombras de nuvens em imagens CBERS e da utilizacao de imagens ALOS PALSAR na identificacao de areas desmatadas. In: SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 14. *Proceedings...* Sao Jose dos Campos: INPE, p. 6983-6990.

*(Evaluating segmentation methods involving clouds and shadows from CBERS and ALOS PALSAR imageries to identify deforested areas)*

## K&C deliverables

### Papers and Reports

#### 1. Published

##### *Paper 3 (Proceeding)*

Xavier, E.A.; Freitas, C.R.; Souza, R.A. 2009.  
Análise do corte seletivo na Amazonia Legal em imagens ALOS PALSAR a partir de verificação por modelo de mistura espectral em imagens CBERS. In: SIMPÓSIO BRASILEIRO DE SENSORIAMENTO REMOTO, 14. *Proceedings...* São José dos Campos: INPE, p. 7521-7527.

*(Analysis of selective logging in the Legal Amazonia through ALOS PALSAR imagery and through spectral mixture model from CBERS imagery)*

## K&C deliverables

### Papers and Reports

#### 1. Published

##### *Paper 4 (Proceeding)*

Mesquita Jr., H.N.; Dupas, C.A.; Silva, M.C.; Valeriano, D.M. 2008. Amazon deforestation monitoring system using ALOS PALSAR complementary data. In: ISPRS CONGRESS BEIJING 2008, 21. *Proceedings...* IAPRS, vol. 37, Part B8, pp. 1067-1070.

## **K&C deliverables**

### **Papers and Reports**

#### 2. Submitted/in preparation

##### *Paper 1 (Proceeding)*

Vianna, B.V.G.; Freitas, D.M.; Souza, R.A. 2011. Potencialidades das imagens polarimétricas do ALOS/PALSAR na discriminação de alvos em Rondônia – RO. Submitted to the Brazilian Symposium on Remote Sensing to be held at Curitiba, PR, on May, 2011.

*(Potentials of polarimetric ALOS PALSAR images to target discrimination in Rondônia, State of Roraima)*

**K&C deliverables**  
**Data sets and Thematic products**  
**(mosaics, classification maps etc.)**

1. Completed and Delivered to JAXA

2. Completed, but not yet delivered

- *Shapefiles of new deforestation polygons identified with ALOS/PALSAR images from frame 24 to 40*