

STATUS of PHASE 1 DEVELOPMENTS



GENERATION of the K&C AFRICA PALSAR MOSAIC

Methods and code for geo-coding and
radiometric revision

Automated processing chain

Prototype mosaic over Central Africa (92
strips)

Development of calibration and
mosaicking algorithms and prototyping
on other data sets (e.g. Queensland
mosaic)

in collaboration with U. Aberystwyth, Wales, UK.

Extension Phase Proposal

PALSAR Continental Scale Mosaics and Thematic Products

OBJECTIVES

- Final version of the Africa mosaic
- Compilation of the Europe-Siberia mosaic
- Thematic products concerning land cover mapping in Africa
- Update of the GRFM Central Africa wetlands map
- Research and development of methods for forest structural and biophysical parameters retrieval from K&C mosaics and other remote sensing data

Extension Phase Proposal

PALSAR Continental Scale Mosaics and Thematic Products

OBJECTIVES and TIMELINE

- Final version of the Africa mosaic: **May 2009**
- Compilation of the Europe-Siberia mosaic: **Dec 2009**
- Thematic products concerning land cover mapping in Africa: **Dec 2010**
- Update of the GRFM Central Africa wetlands map: **Sep 2009**
- Research and development of methods for forest structural and biophysical parameters retrieval from K&C mosaics and other remote sensing data: **Dec 2011**

Extension Phase Proposal

PALSAR Continental Scale Mosaics and Thematic Products

Data Requirements

- All SIGMASAR strip slant range data needed for the Africa mosaic are currently available – no further requests
- Gap fillers for the Europe-Siberia mosaic (to be confirmed)
- A few (order of 10) high resolution full-pol data to support the R/D phase on spatial statistics and bio-physical parameters retrieval

Extension Phase Proposal

PALSAR Continental Scale Mosaics and Thematic Products

Deliverables

- Mosaics' data sets and auxiliary data (e.g. DEMs, incidence angle maps)
- Thematic maps related to:
 - *Congo river floodplain*
 - *Forest-savannah transition zones at the borders of the Congo basin*