

# ALOS Kyoto & Carbon Initiative Special Session

Chair: Richard Lucas

Co-chair: Ake Rosenqvist, Laura Hess

Update presentations from K&C Science Team members:

- **Mosaic Theme** (Bruce Chapman/Laura Hess)
- **Forest Theme** (Richard Lucas)
  - Observations of forest properties in Siberia (Maurizio Santoro)
  - Polarimetric PALSAR data for forest mapping in Siberia (Christian Thiel)
  - Regional mapping of Savanna woodlands and wetlands (Richard Lucas)
- **Wetlands Theme** (Laura Hess)
  - Mapping of Boreal Wetlands (Kyle McDonald/Laura Hess)
  - Assessment of wetland ecosystems and flooding in the Lower Mekong Basin (Tony Milne)

## Mosaic Theme

- Global Dual-pol (FBD) mosaics to be generated by JAXA EORC, JPL and JRC
- To be made available in public domain (ALOS K&C www site)
- Strip processing on-going by EORC
- ALOS precise orbit location and geometric precision a key for automatic mosaic generation
- STRM correction of all mosaics (major difference from GRFM)

Discussion issue: availability of PRISM DEMs for regions above 60 deg. lat? Can this be made an operational product?

## Forest Theme

- The importance of the HV channel for forest mapping was highlighted
- Dual-polarization (HH+HV) data from summer vs. Winter coherence produced similar good results for mapping forest properties and disturbances in Siberia

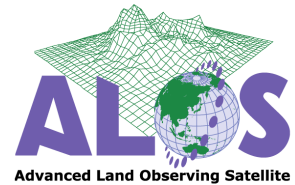
Discussion issue: Can PALSAR coherence products become an operational product from JAXA EORC?

## Wetlands Theme

- Some 20 globally significant wetland regions monitored by PALSAR ScanSAR every 46-day cycle
- ScanSAR data acquired provides unique possibilities for mapping wetlands inundation extent and dynamics
- Direct scattering effects in near range due to the large incidence angle. ScanSAR mid-range and far range should be utilized for mosaicking.

Discussion issues:

Processing of PALSAR ScanSAR strip data delayed at EORC. Processing must be resumed as soon as possible!



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## General observations

- The importance of continuing to perform systematic acquisitions on a repetitive basis was emphasized.
- PALSAR data radiometric and geometric quality very high (well done, JAXA!)

## K&C Mid-term Science Team meeting

January 21-24, 2008

RESTEC HQ, Roppongi (Tokyo)