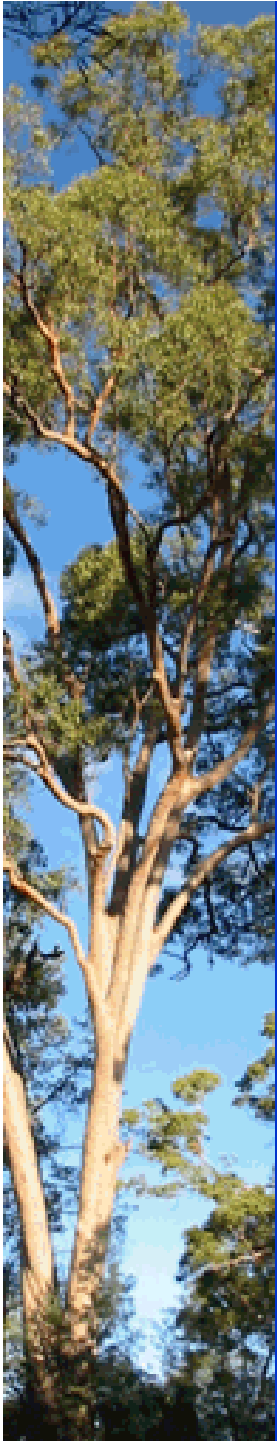
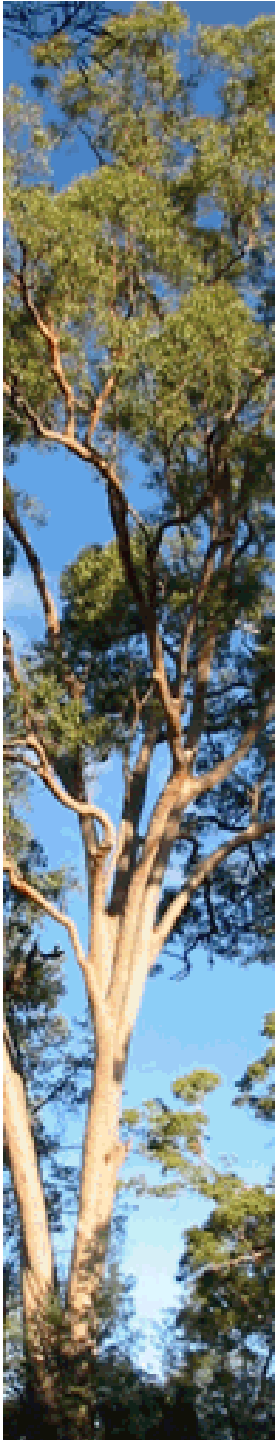


JAXA K&C Initiative Forest Theme



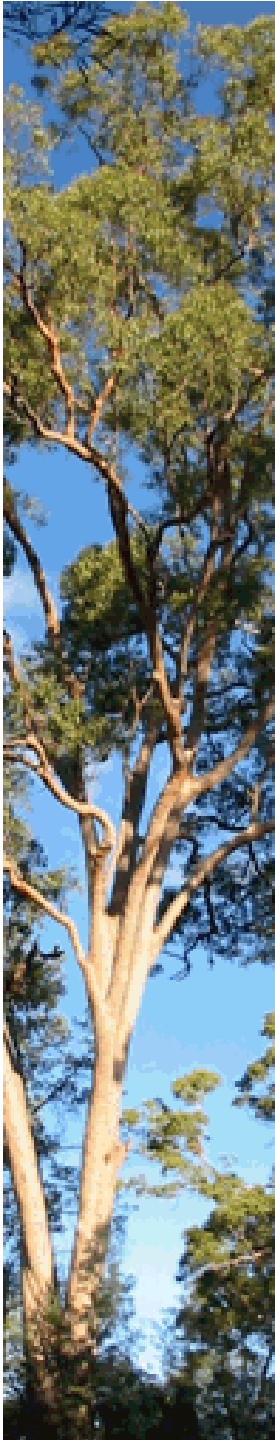
Forest Change

- **Deforestation**
 - Identification, particularly in areas of persistent cloud cover
 - Provision of near real time detection
 - Differentiation of old and new deforestation and clearing mechanisms and drivers of change (logging, agriculture)
- **Forest Regeneration**
 - Mapping of forest regeneration extent and stage
 - Updating deforestation maps to include regeneration



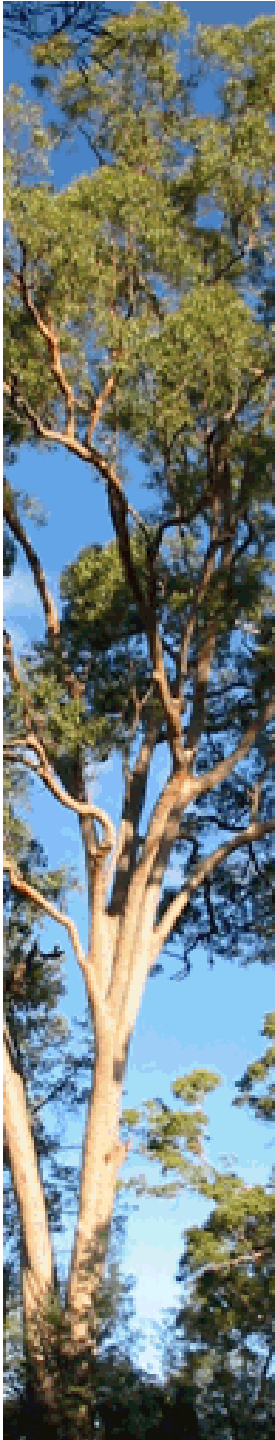
Carbon Cycle

- **Biomass estimation**
 - **Lower biomass forests (below saturation)**
 - Direct or inferred
 - **Higher biomass forests**
 - Mangroves
- **Biomass change**
 - **Changes in land cover**
 - **Regeneration stage**
 - **Forest disturbance**



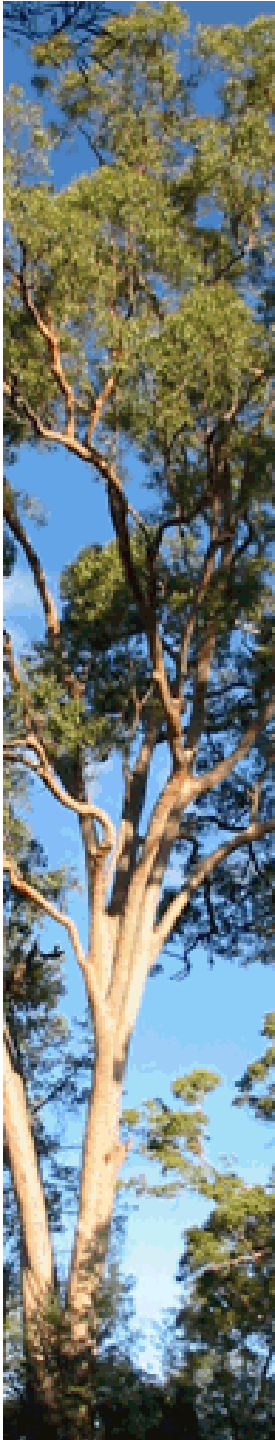
Forest type mapping

- **Forest type**
 - Peat swamp forests
 - Mangroves
 - Tropical rainforest
 - Boreal forest
 - Wooded savannas
 - Temperate forests
- **Structural classifications**
 - Integration of data from other sources
 - Height retrieval



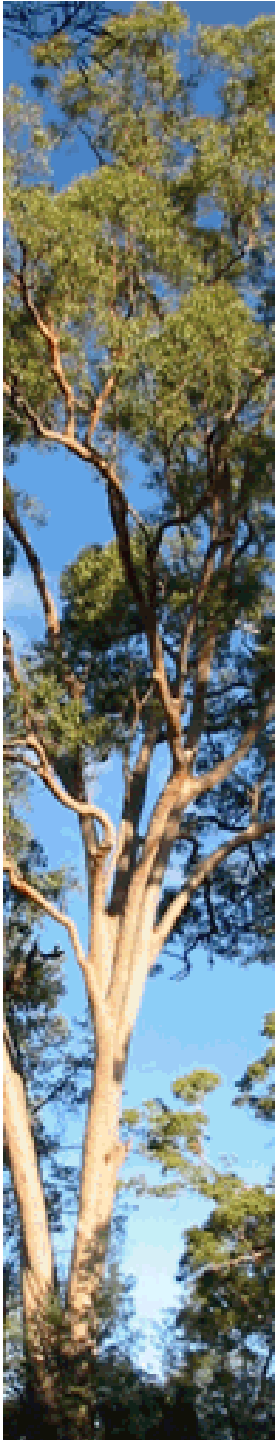
Within K&C Collaboration

- **High impact Special Issue**
 - **8-10 high impact articles outlining key findings from K&C Project**
 - Scientific and political significance
 - Global Change Biology
 - **Contact Editor following provision of titles**
 - **Establishment of working papers on wiki**
 - **Abstracts and/or draft papers by K&C Meeting in June.**
- **Collaborative studies**
 - **Forest height retrieval**
 - **ALOS and ground truth dataset provision to Paul Sequeira**
 - **Biomass retrieval**
 - **ALOS and ground truth dataset provision to Thuy Le Toan**
 - **Simulatio modelling within ESA project**
- **Processing support**



Within K&C Collaboration

- **Supporting design of follow on missions**
 - **wetlands and biomass mapping as a function of incidence angle.**
 - **Detecting forest degradation (selective logging, dieback)**
 - Differences between open and closed forests
 - **Additional benefits of polarimetric data**





Standardisation of Products

- Final products able to be reconstituted to form broad classes that are globally consistent.
 - Identify classification system (based on LCCS; FAO)
 - Generate own classes (although biomass needs to be in consistent intervals) and methods for reconstituting if needed.
 - Link with the wetlands theme classification
- Inform of and cross check algorithms
 - Biomass retrieval
 - Regeneration mapping
 - Deforestation
 - Establish discussion/information panel on wiki
- Links with other organisations/programs
 - UNEP WCMC
 - MEASUREs

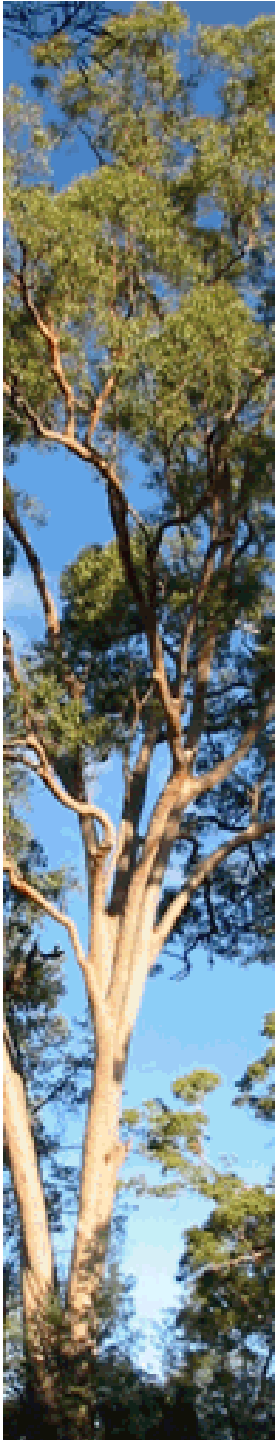


Updating of Project Reports

- Establishment of document folder on wiki
 - Regular updating of project reports
 - Highlighting and informing of key results
- Provision of existing and new publications on wiki
 - Send publications (digital versions)
 - Check copyright issues

Standardisation of Products

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 - Link with the wetlands theme classification



Public dissemination

- Work with national and international agencies such that products are integrated before or following provision of final datasets.
- Enhance links with climate modellers
 - Establish input requirements and role of SAR
- Ensure inclusion of SAR within GOFC publications/initiatives
 - Provision of case studies utilising ALOS PALSAR and associated datasets.
- Submission of papers to conferences and scientific publications
- Regular attendance at conferences
- Key involvement in processes such as REDD

