

Title: Global Mangrove Inventory

Product Leader: Richard Lucas

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Product Team (confirmed members only):

- Australia
- French Guyana
- Brazil
- West and central Africa
- Indonesia

Agreement status: Pending

Preferred agreement type (individual/institutional): Individual

Project objective(s):

- To develop and implement techniques for mapping the extent of tropical and subtropical mangroves in the mid 1990s (using JERS-1 SAR) and mid 2000s (using ALOS PALSAR– with optical data - and quantifying change

Tropical and Subtropical mangroves

Prototype Area 1: Northern and north-eastern Australia

Corresponding observation plan polygon(s): C2

No. PALSAR paths/coverage: full mosaics

PALSAR request (Year 1-3): Over operational period

Input data (EORC products): PALSAR image mosaics (Sigma-0, SRTM corr., 50m)

Ancillary data requests: JERS-1 SAR mosaic (Northern Australia)

Prototype Area 2: French Guyana, Brazil and central-west Africa

Corresponding observation plan polygon(s): B2, C1, C2, E3, E4, G1

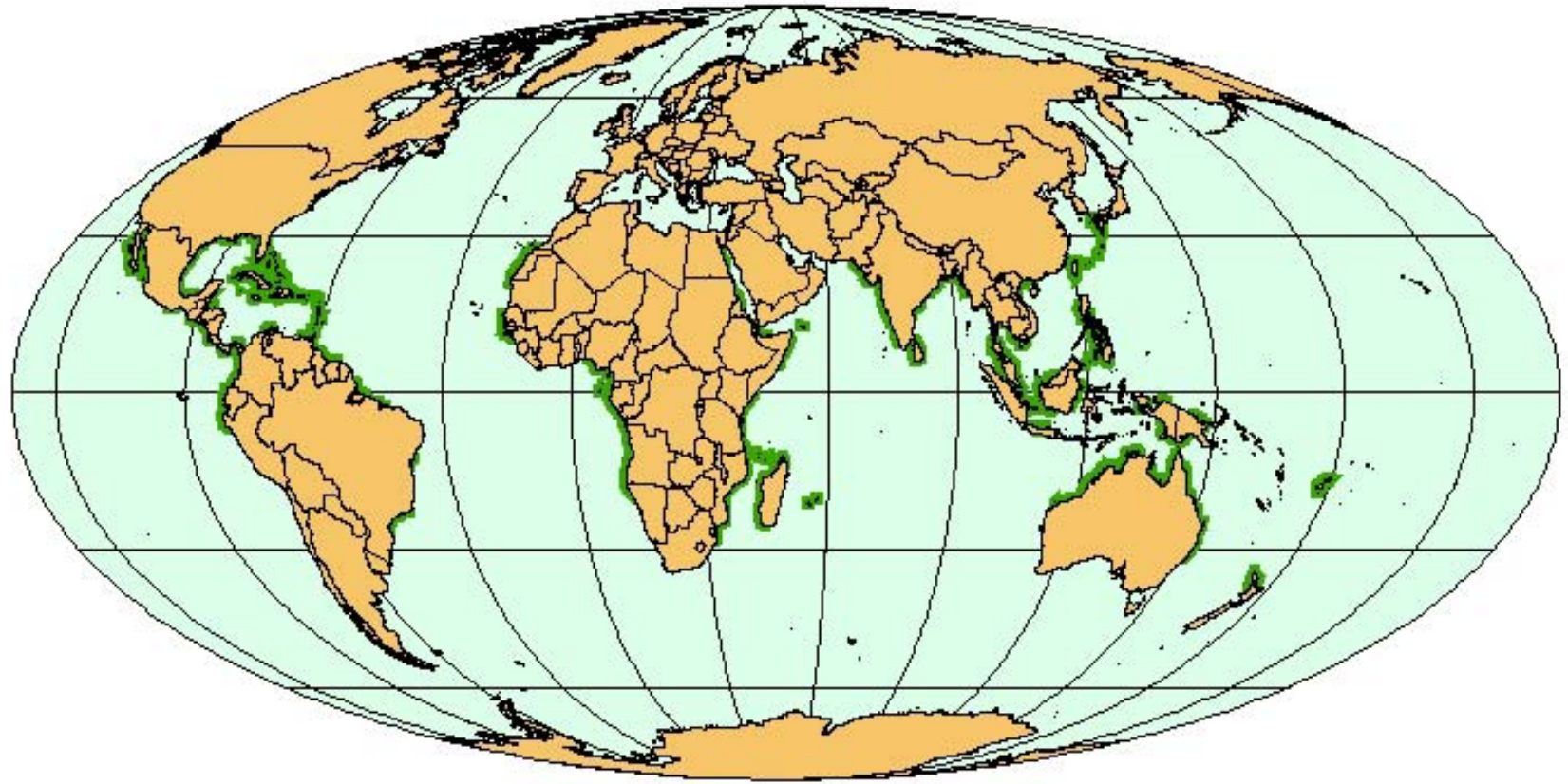
No. PALSAR paths/coverage: full mosaics

PALSAR request (Year 1-3): Over operational period

Input data (EORC products): PALSAR image mosaics (Sigma-0, SRTM corr., 50m)

Ancillary data requests: JERS-1 SAR (GRFM) mosaics from mid-1990's

Tropical/subtropical mangroves



Subtropical and tropical mangroves

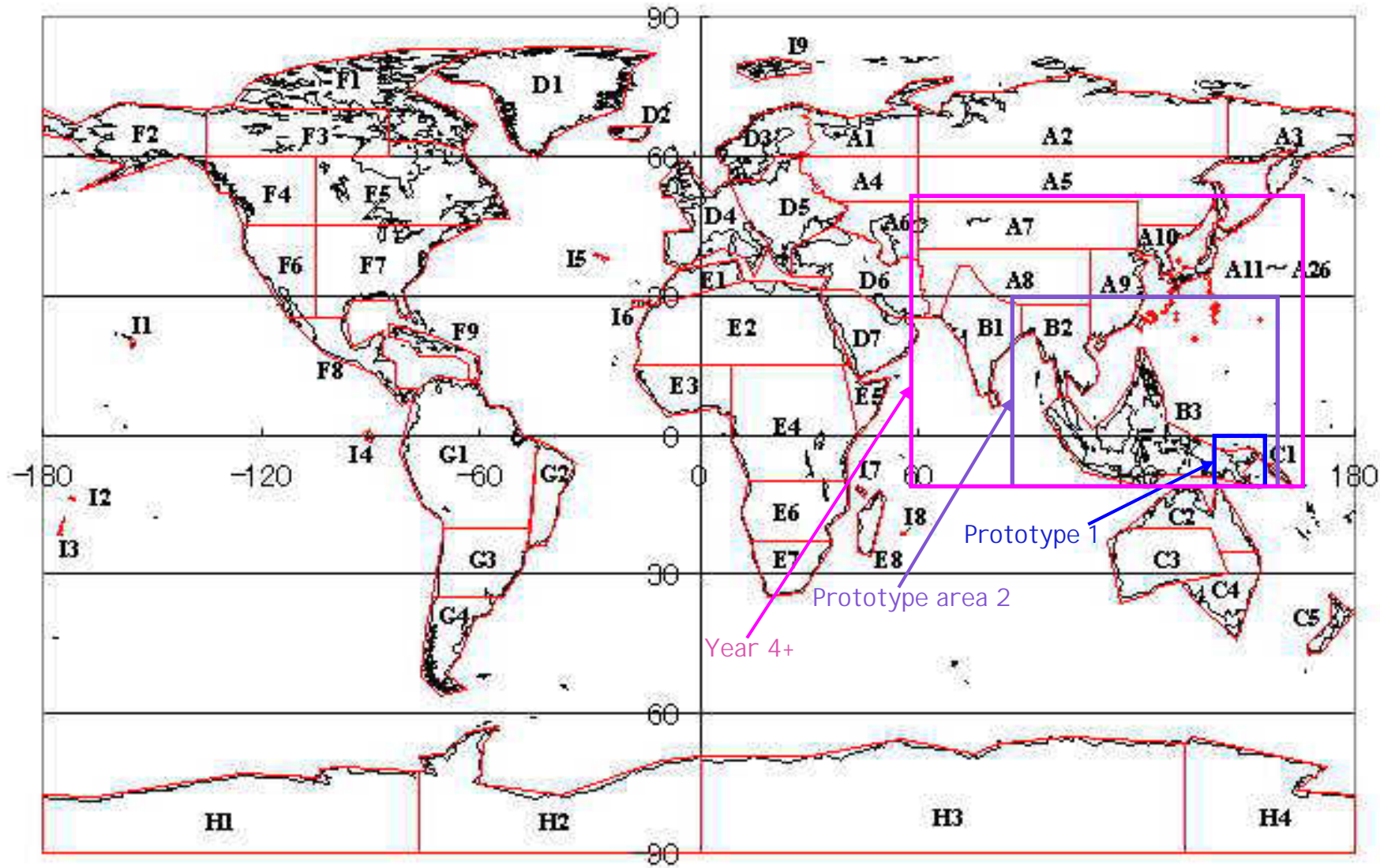
K&C Product Deliverables (before end of Year 3):

- Methods for mapping the extent and key attributes (e.g., density, biomass and species/community composition) of tropical/subtropical mangroves and changes therein (Stage I).
- Maps of the extent and key attributes (e.g., density, biomass and species/community composition) of tropical/subtropical mangroves for selected regions (e.g., Northern Australia; Amazon Stage II)

Prospects for Years 4-6 (assuming agreement extension)

- Extension to all tropical and subtropical regions (Stage III)
- Mangrove Change Maps (1990s); (2007-2008); (2008-2009); (2009-2010)

Annual monitoring of ARD in SE Asia



Location of Prototype Areas