

1. January 2015 – 31. December 2017



[illegible]

# DUE GlobBiomass



## Objective:

Provide the user communities with a better characteristic of the distribution and changes, and an improved quantification of regional and global biomass

## User Consultation in Jena, October 2012:

User Requirements from:

- Science: Carbon Cycle Science Community
- Policy: National Forest Inventory and REDD
- Forest Industry: timber production and certification

## Project Activities:

1. Improve above ground biomass maps (stock and changes)
  - Better geometric resolution
  - Improved accuracy
  - Validation (discrepancy map and error statistics)
2. Platform for data sharing and validation
3. Better stratification of landscape (forest types/species)
4. Standardization of maps

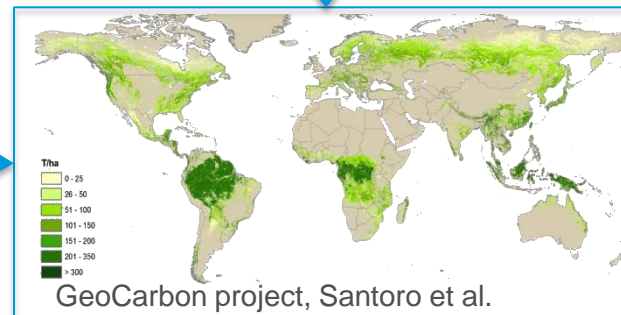
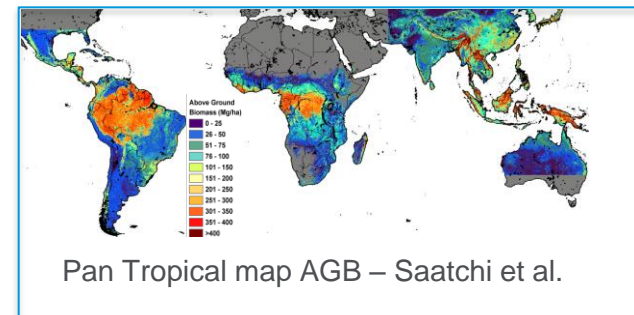
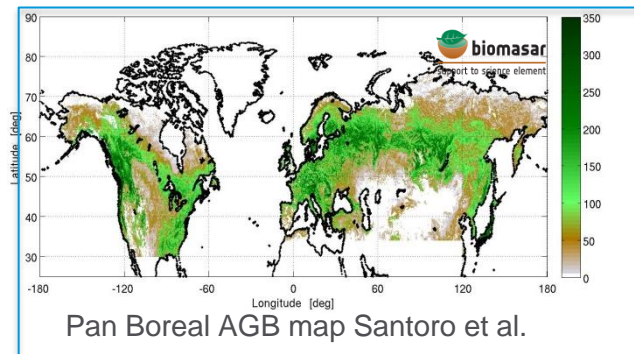
ITT issue: Q3 2014

KO: Q1 2015

Budget: €1,500,000

Duration: 3 years

# DUE GlobBiomass Approach



additional in-situ,  
airborne lidar, ...

**GlobBiomass**

**Pan-tropical WHRC –  
Bacini et al.**

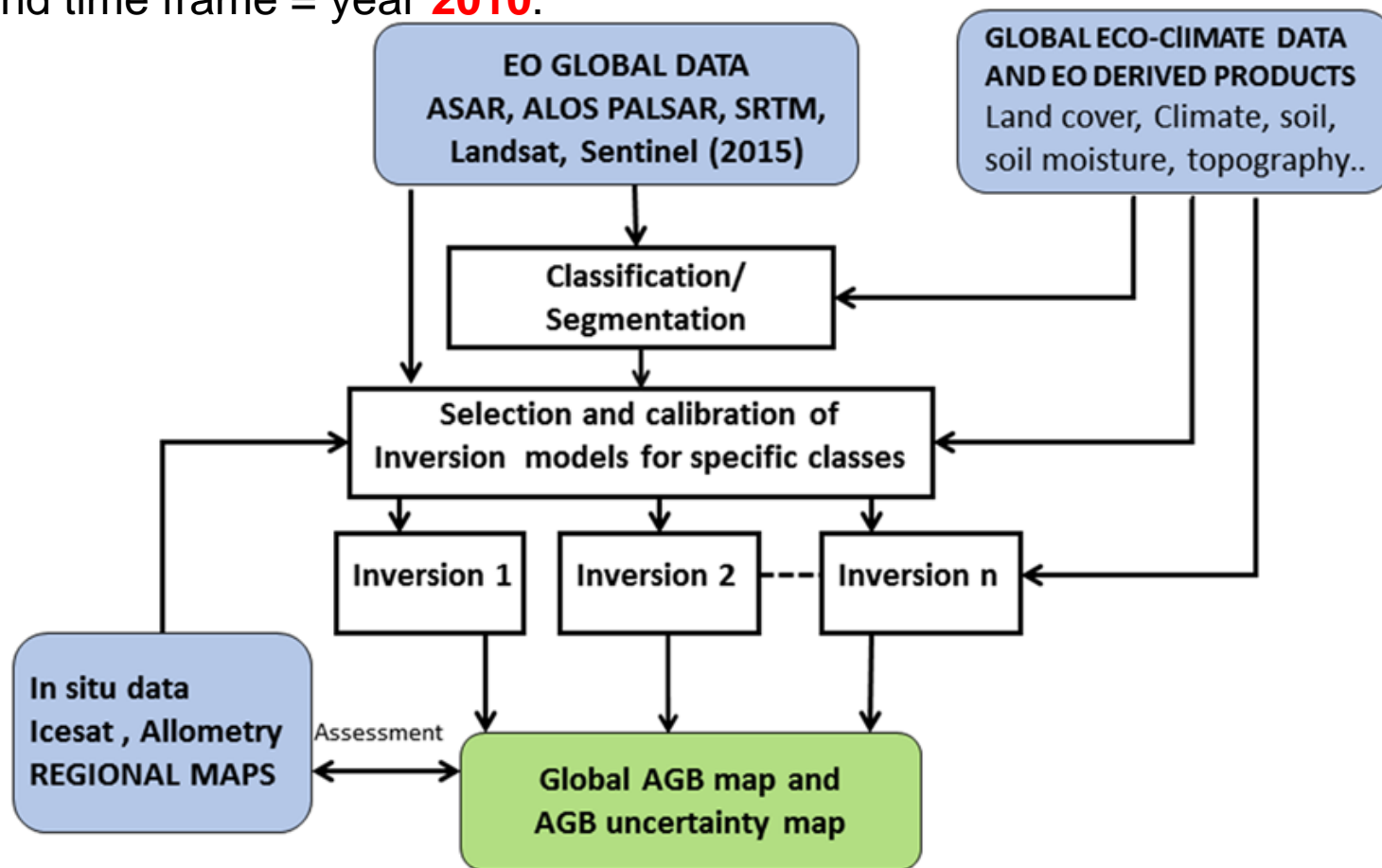
**ASAR, PALSAR,  
MERIS, MODIS, ...**



# GlobBiomass Global Map



One of the key requirements is the generation of a global biomass map with specified requirements to spatial resolution (**150-500 m**) and accuracy (expected **70%**) and time frame = year **2010**.



# GlobBiomass Regional Maps

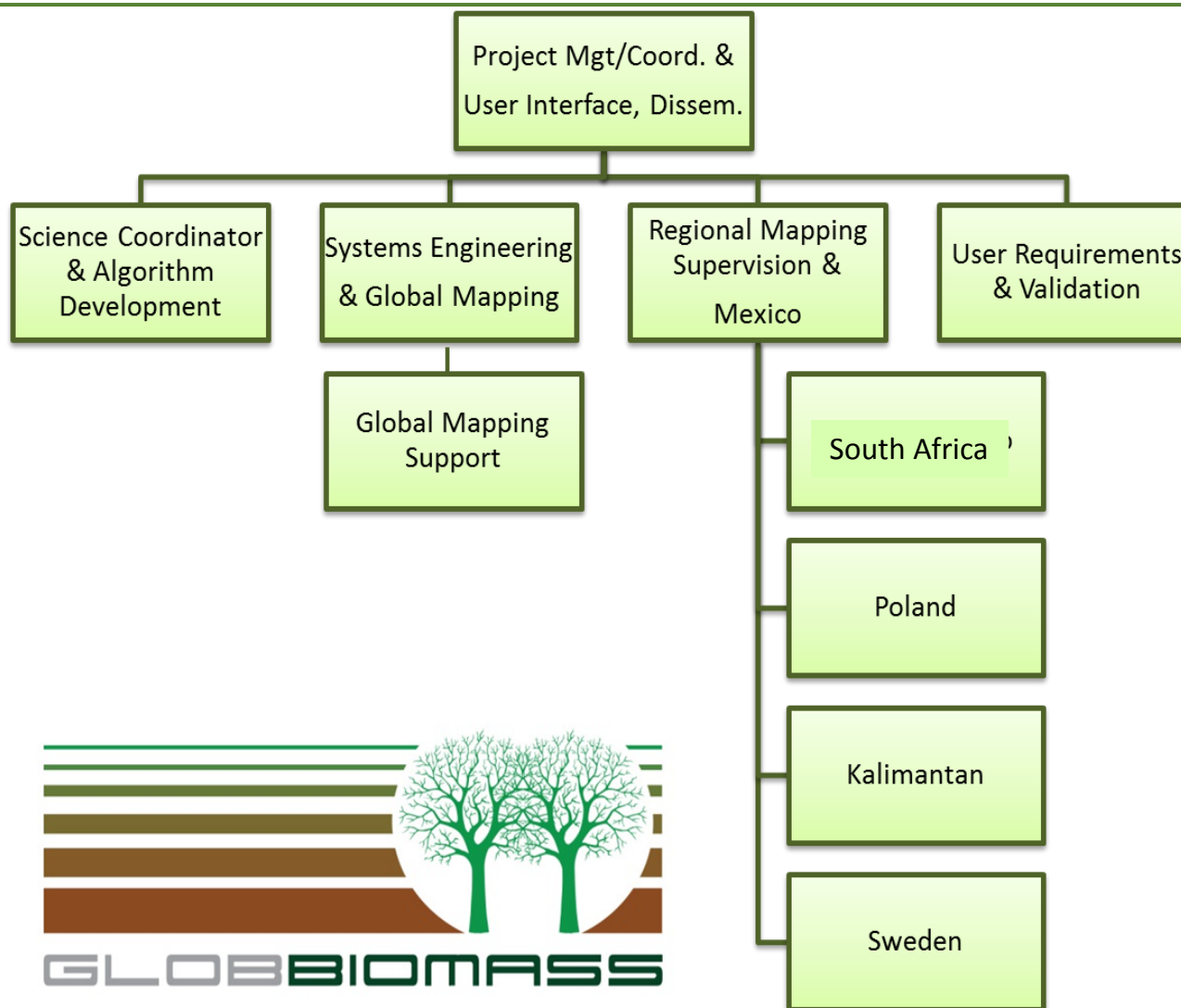


Biomass stock and change maps with better spatial resolution than the global reference map (**50 – 150 m**) and with a multi temporal approach comprising three epochs: **2000 or 2005, 2010 (reference year), and 2015**. The regional maps will aim for an overall accuracy of **80%** or better:

- Poland: Temperate zone
- Sweden: Boreal zone
- Indonesia: Tropical zone
- Mexico Tropical-woodland transition
- South Africa: Forest-savanna mosaic

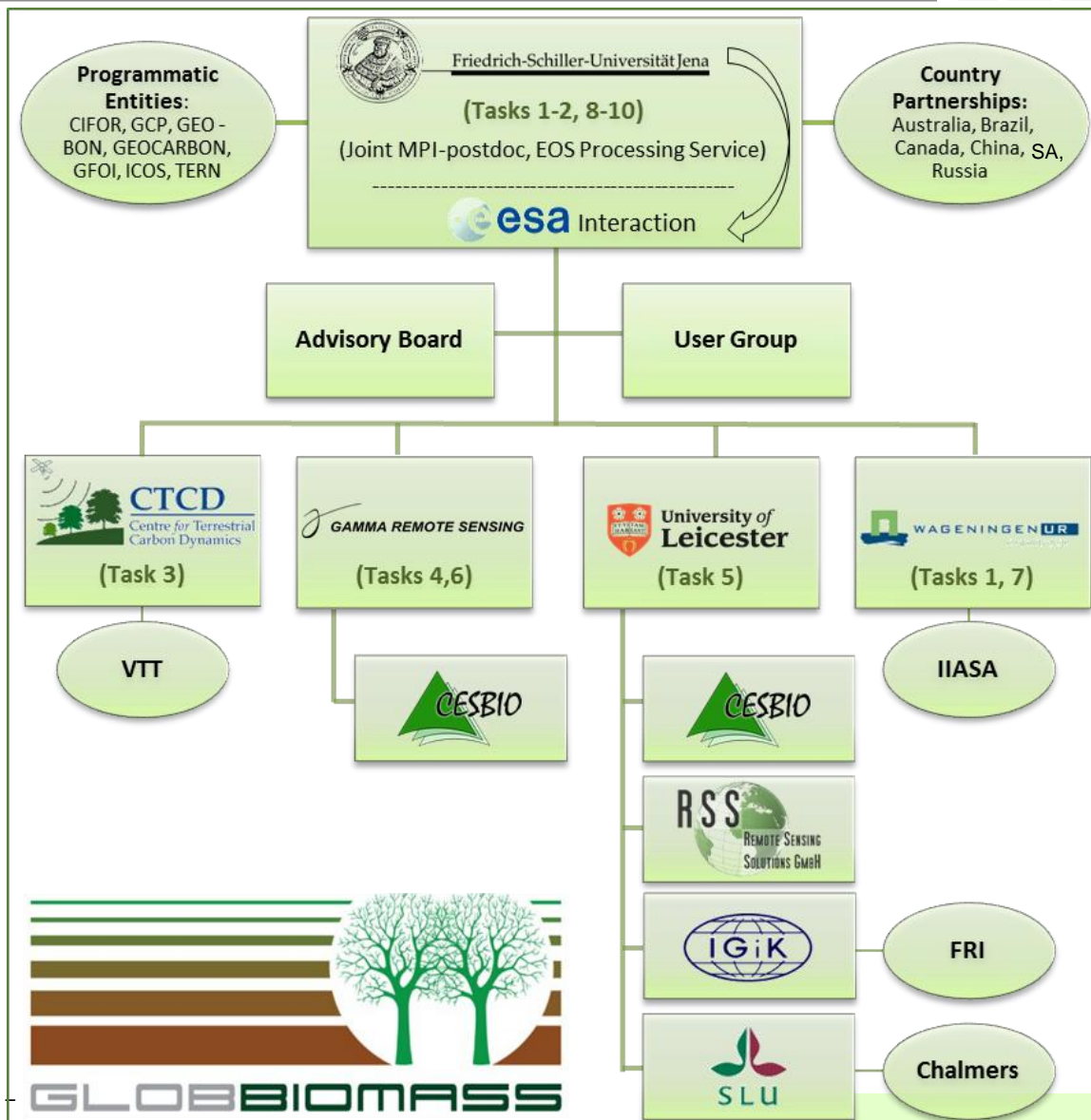


# GlobBiomass Management



European Space Agency

# GlobBiomass Management



## Advisors

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## User Group

CFS  
LSCE  
Inst.f. World  
Forestry  
IICT  
JRC  
Mondi  
NCEO  
SKMBT  
WHRC  
World Bank  
ZEBRIS  
Zurich Univ.

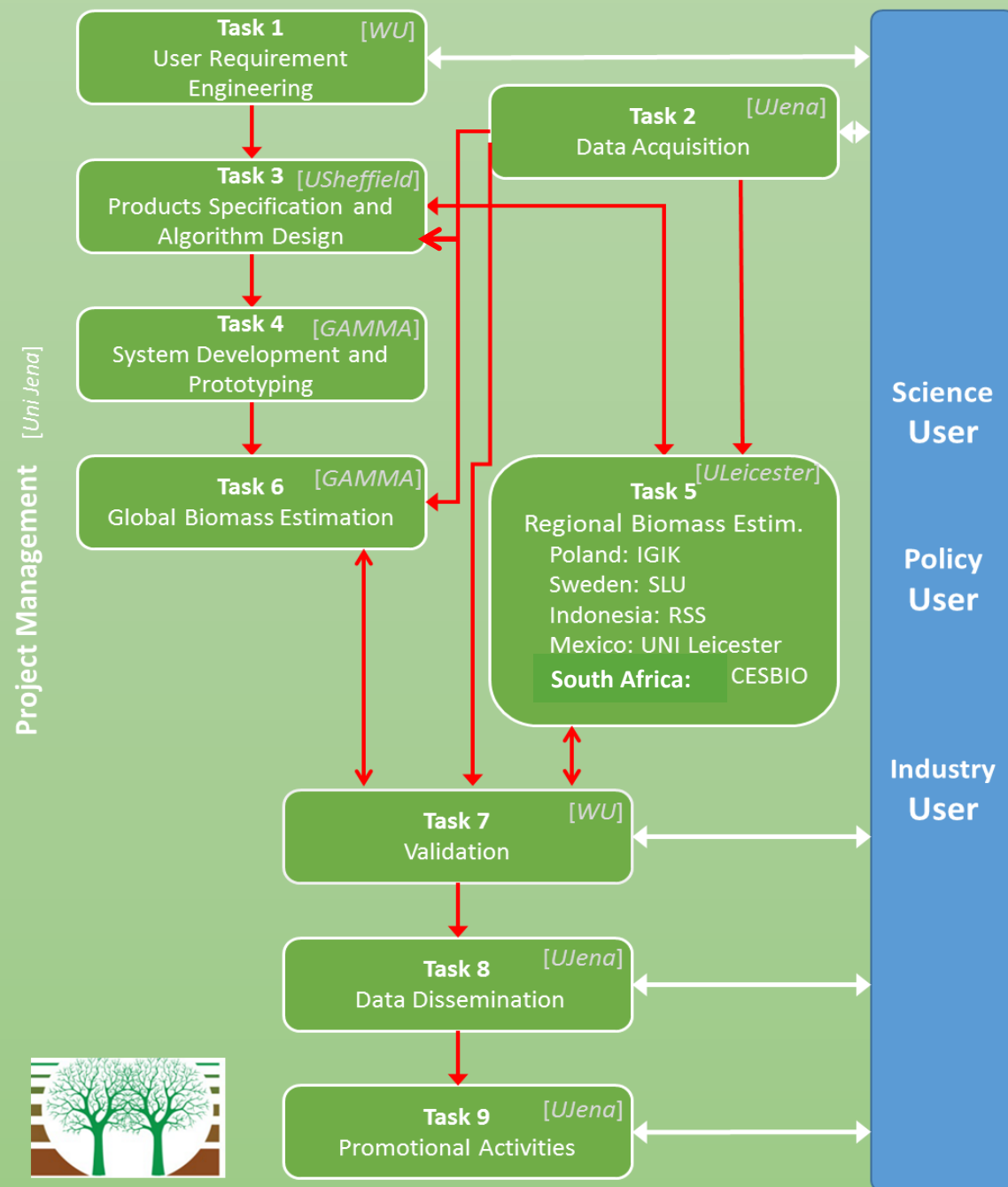
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European Space Agency



## First Deliverables From Task 1:

**User Requirements Doc**  
**Product Specification Doc**



**Thank you for your attention!**

