

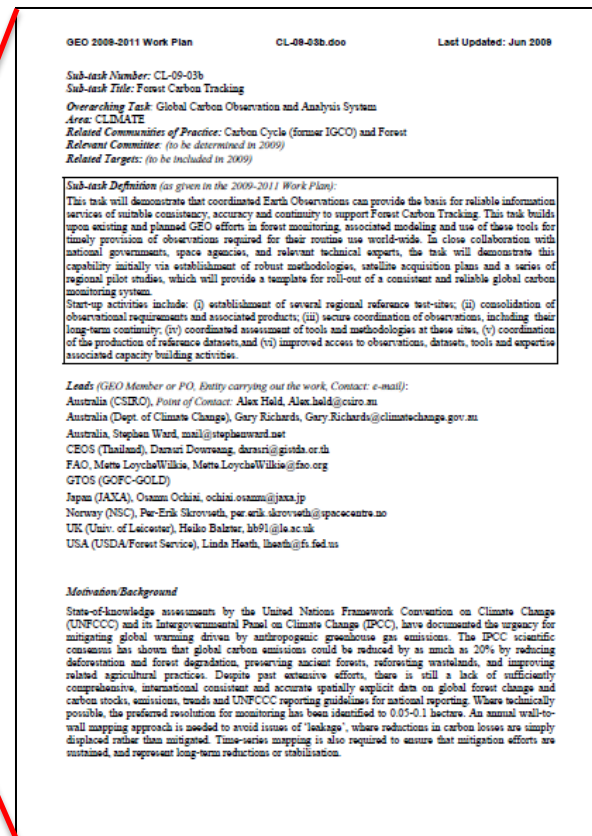
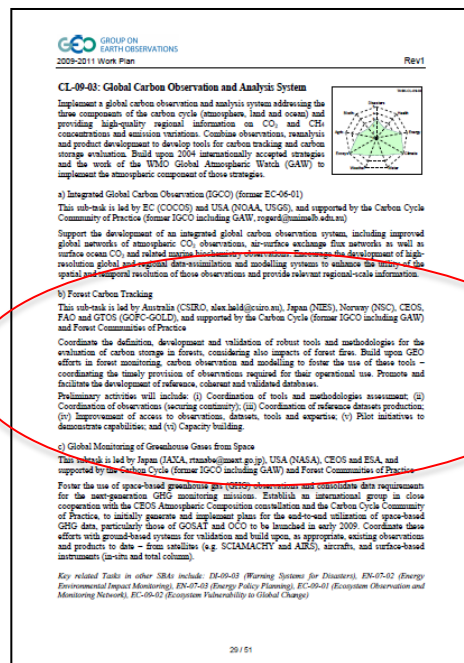
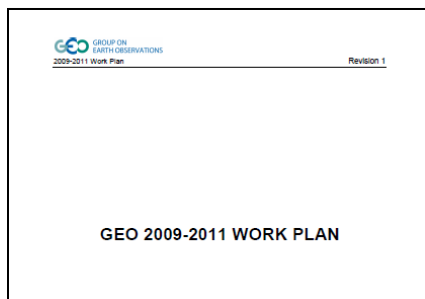
Task Implementation Plan, organizational framework and progress

Giovanni Rum
GEO Secretariat

Clarence House 19 October 2009



From the GEO Workplan to the detailed Task Sheet



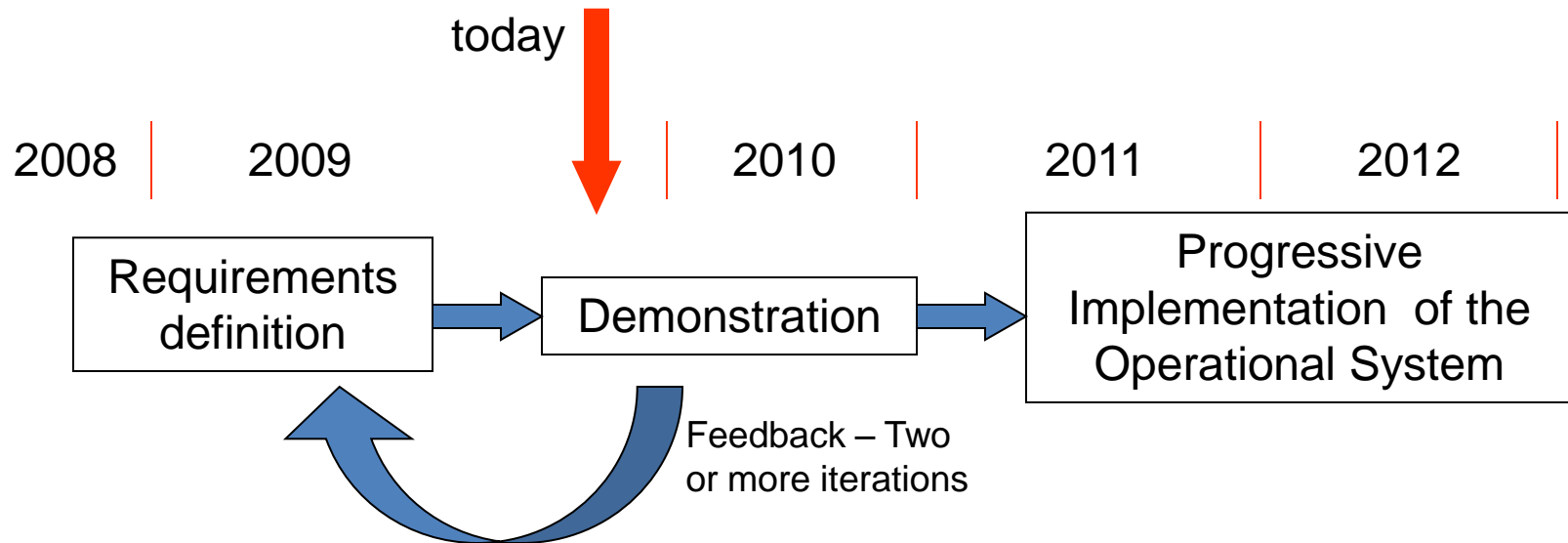
Task Implementation Plan

Work Packages

- **WP0000: TASK COMMUNICATION PLAN**
- **WP1000: DEFINE SATELLITE DATA NEEDS AND SECURE CONTINUITY**
- **WP2000: DEFINE AND ESTABLISH NATIONAL DEMOSTRATORS**
- **WP4000: LINKAGE WITH ECOSYSTEM MODELS AND FOREST INVENTORIES**
- **WP5000: DESIGN & DEMONSTRATE OPERATIONAL FOREST CARBON TRACKING SYSTEM**
- **WP6000: GEO-VI and COP-15**



Task Implementation phases



The selected approach allows progressive inclusion of additional National Demonstrators into subsequent demonstration cycles and a smooth transition to a pre-operational and then to an operational system

Task Definition Documents

System Definition Documents
FCT Concept and Implementation Strategy
FCT Summary description
FCT Data Management & Access Guidelines for National Demonstrators
FCT Guidance on National Demonstrator activities, benefits and responsibilities
Design Documents
FCT Products Requirements
FCT Satellite Interoperability and processing methods
FCT Processing Hubs Network for the Demonstration phase – Terms of Reference
FCT Guidelines for in-situ data and observations at Verification sites
FCT Ground Measurements, Inventory and Model Calibration/Validation

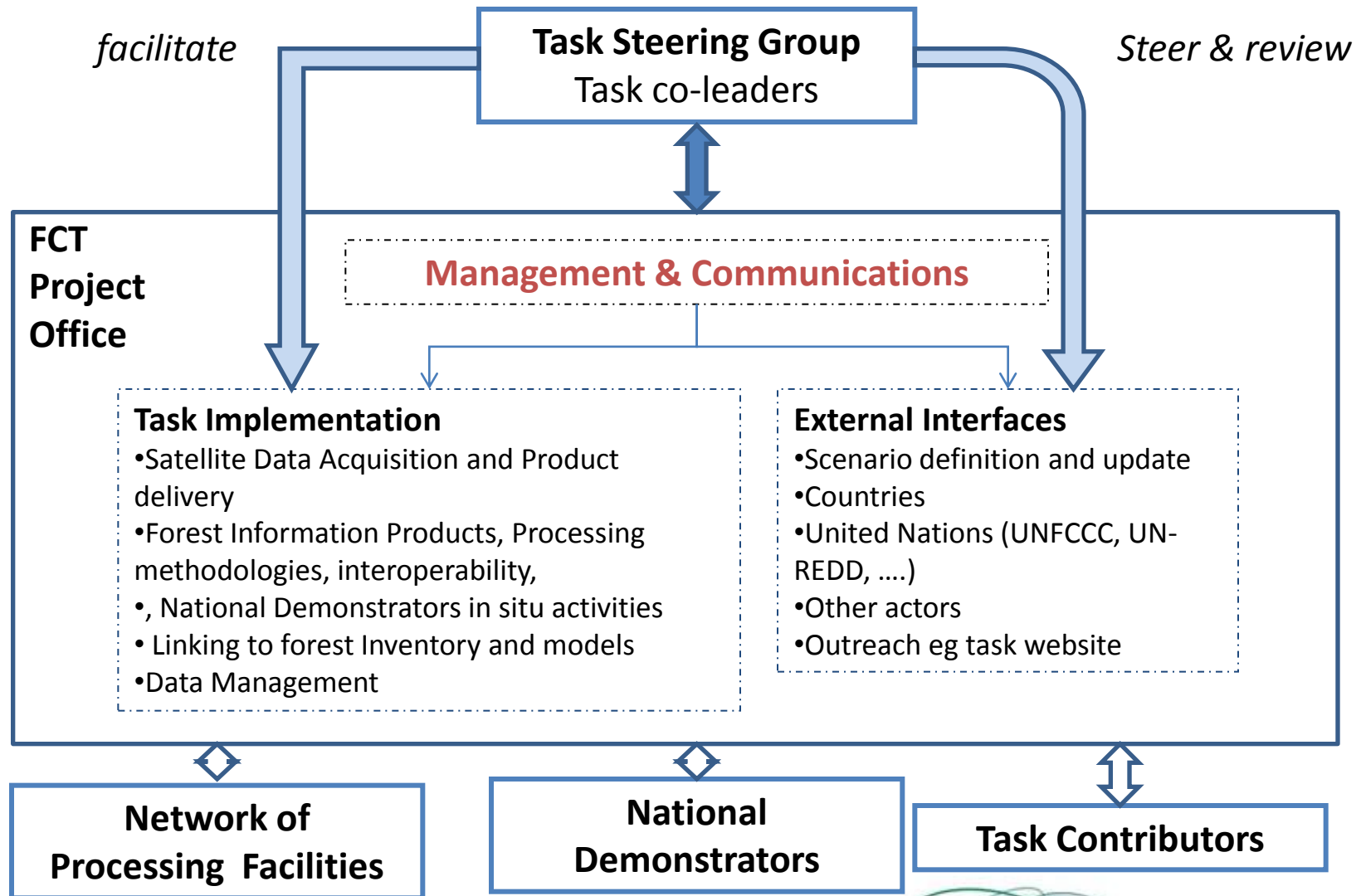


FCT 2009 demonstration Documents

2009 Demonstration
FCT 2009 CEOS Satellite Data Requirements for National Demonstrators
FCT 2009 Commercial Satellite Data Requirements for National Demonstrators
FCT 2009 Demonstration: observation, processing and Validation plan
FCT 2009 Demonstration Portal Requirements and Description
FCT 2009 Demonstration Report and Feedback



Task organizational arrangement



National Demonstrators

The Task has established a number of reference demonstration areas, “National Demonstrators”, for developing and testing approaches and methods and demonstrating the use of current Earth observation capabilities for assessing long-term, operational forest-cover change and carbon monitoring.

National Demonstrators are defined as areas large enough to demonstrate the wall-to-wall capability and to contain several verification sites, where the in situ/aerial measurement will take place and higher resolution/higher temporal frequency satellite data will be acquired.

The verification sites, as they are currently defined, will serve:

- As a “classical” Calibration/Validation sites for the moderate resolution information products
- As “intensive observational sites” where higher resolution/higher temporal frequency satellite data will be acquired.

Progress to date

- The project Implementation Plan, including country and organisation commitments, has been approved and initiated;
- The National Demonstrators process has been consolidated, National Demonstrators have been defined and activities have been initiated;
- A Document on Satellite Optical/ SAR Data Requirements and systematic acquisitions strategies has been released (June 2009);






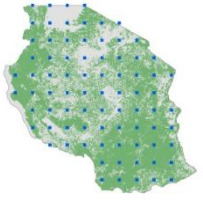



National Demonstrators location

Political Map of the World, September 2008



National Demonstrators

	Mexico 500.000		Indonesia (Borneo) 743.000
	Out of 1.970.000		Australia (Tasmania) 68.000
	Brazil 1.400.000		Cameroon 475.000
	Out of 8.500.000		Tanzania 945.000
			Guyana 215.000

Progress to date

- Satellite data are being acquired over the National Demonstrators, starting from June 2009;
- Satellite Data Processing mechanisms have been established (Network of Processing Facilities) and data processing has started;



Progress to date

- Three key documents are being finalized for release in October 2009:
 - Field Measurement guidelines and protocols;
 - Accuracy assessment and verification;
 - Data and model linking and visualisation.
- A number of Technical workshops have been held, in Brazil November '08, Australia April '09, Italy May '09, Thailand July '09 and Japan August '09.



Back-up charts



WP0000: TASK COMMUNICATION PLAN

- WP0100: Task Plan and Milestone Management
- WP0200: Internal Team Telecon Schedule and Planning
- WP0300: Task Contacts, Communications and Outreach



WP1000: DEFINE SATELLITE DATA NEEDS AND SECURE CONTINUITY

- WP1100: Secure a CEOS resolution on Forest Carbon data supply from SIT-23
- WP1200: Define satellite data requirements and supporting acquisition strategies
- WP1300: Secure data commitments from key sources for 2009 outcomes and beyond
- WP1400: Linkage with LSI to ensure continuity of optical data
- WP1500: Define a data archive and storage strategy



WP2000: DEFINE AND ESTABLISH NATIONAL DEMONSTRATORS

- WP2100: Define National Demonstrators
- WP2200: Establish National Demonstrator relationships
- WP2300: 2nd GEO Forest Symposium



WP3000: DEFINE DEFINE DATA PRODUCTS AND DATA INTEROPERABILITY METHODS

- WP3100: Development of remote sensing product standards for forest monitoring and linkage to ecosystem-carbon models
- WP3110: Expert Workshop on Data Products and Interoperability
- WP3200: Data Interoperability Methods Document



WP4000: LINKAGE WITH ECOSYSTEM MODELS AND FOREST INVENTORIES

- WP4100: Define specifications for ground verification and reference datasets required
- WP4200: Initiate assembly of input spatial data layers needed by ecosystem models and carbon accounting systems
- WP4300: Establish field-validation programs in Demonstrator countries
- WP4400: Monitor and undertake current research on remote sensing of forest dynamics and structure

WP5000: DESIGN & DEMONSTRATE OPERATIONAL FOREST CARBON TRACKING SYSTEM



WP6000: GEO-VI and COP-15

- WP6100: Define SBSTA-30 Objectives
- WP6200: Define COP-15 Objectives
- WP6300: Define GEO-VI Objectives
- WP6400: Develop Presentations and Statements
- WP6500: Develop Visualisations

