



CB OAT Implementation

CB-09-05

**Infrastructure Development and Technology
Transfer for Information Access**



Overarching Task Definition

CB-09-05

Infrastructure Development and Technology Transfer for Information Access

Identify hardware, software and other technology required to access, use and develop Earth observation data, information and products for decision making. Promote technology transfer (in its very broadest sense), and advance infrastructure and information sharing.



Participants

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Sub-tasks

Open Source Software (CB-09-05a)

Encourage the development of open-source solutions across and along the Earth observation value chain – by building upon existing efforts and drawing upon networks of Open Source Software (OSS) developers.

CBERS (CB-09-05b)

Establish and upgrade the capacity of ground stations with a footprint in Africa to receive, process, store and distribute CBERS (China-Brazil Earth Resources Satellite) imagery. Data will be distributed free of charge to all interested African countries within the footprint of the respective ground stations.

SERVIR Expansion (CB-09-05c)

Establish SERVIR regional hubs around the world. SERVIR is a web-based earth observation, monitoring and visualization system that makes available previously inaccessible satellite imagery, geospatial data, decision-support tools for policy-making, scientists, and the public.

AEGOS - Geo-resources Services for Africa (CB-09-05d)

Design a pan-African infrastructure of interoperable data and user oriented services to strengthen the sustainable use of geo-resources in Africa. Safeguard, share, and add value to the knowledge and data archived in African and European geological surveys.



Synergies

All sub-tasks are aimed at implementing standards, interoperability and data management.

CBERS, SERVIR and AEGOS also promote data acquisition and dissemination.



Relationship to other OATs of CB OAT

- ***CB-09-01: Resource (or Seville Roadmap) Mobilization***
Open Source Software, CBERS, SERVIR and AEGOS(partly)
- ***CB-09-02: Building Individual Capacity in Earth Observations***
Open Source Software, SERVIR and AEGOS
- ***CB-09-03: Building Institutional Capacity to Use Earth Observations***
Open Source Software, CBERS, SERVIR and AEGOS
- ***CB-09-04: Capacity Building Needs and Gap Assessment***
Open Source Software, CBERS, SERVIR and AEGOS



Areas of potential collaboration

Within this OAT:

- 1- Investigate the possibility of installing new ground stations for SERVIR to access and distribute CBERS data.***
- 2- Investigate possibility for SERVIR to disseminate AEGOS information.***
- 3- Investigate the possibility of RCMRD becoming a focal point for GEOSS capacity building in Africa.***



Outputs

- Make TerraView, TerraLib and SPRING training material, courses, tutorials, homepages and documentation for both programmers and end-users (Portuguese, English and French).
- Work on a plain new version of the TerraLib (version 4.0): interoperability (fully OGC - Open Geospatial Consortium - compliant) and efficiency.
- Study the possibility of an open source version of SPRING.
- Hartebeeshoek ground station should be fully operational in 2009.
- Launch of SERVIR-Africa in 2008.
- Building of a pan-African information system for georesources in Africa.
- Designing the components of the AEGOS infrastructure: standards, data models, hardware/software/networks, data themes and data sets, curricula and training practices, education centres, user needs, products and services, potential innovative projects, test beds, links and contributions to other international programmes such as GEOSS, INSPIRE, GMES, etc.

Coordination with the GEO Portal