



OSFAC VERS UN MONITORING REGULIER DES FORETS DU BASSIN DU CONGO

-TRANSITION VERS UNE EXPLOITATION REGIONALE –

Landing Mane, OSFAC

Financial and technical support from



LIBREVILLE, 2000

EEC-TREES, NASA-START, and USAID-CARPE
(EU-JRC, NASA, FAO, NGOs, COMPANIES, ...)

OSFAC CREATION

KINSHASA, 2005

TECHNICAL PROCESSES (OSFAC GIS and RS LABORATORIES)

- Trained over 600 people from national agencies, NGOs, international institutions, CARPE partners, etc.

- 3 doctoral candidates (PhD)

- Large satellite images data base and distribution (around 10 – 20 images per month)

- High capacity on GIS and RS techniques

ADMINISTRATION

- Three departments (technical, administrative and outreach)

- Regional focal points

- Technical advisors from partner institutions (UMd and SDSU)

UMD – SDSU UNIVERSITIES

- Method for quantifying forest extent and change

- 1990 – 2000 and 2000 – 2005 (in progress) DFCM (DECADAL FOREST CHANGE MAPPING) products

CAPACITY TRANSFERT

OSFAC VISION

OSFAC ACTIVITIES

Remote Sensing Laboratory

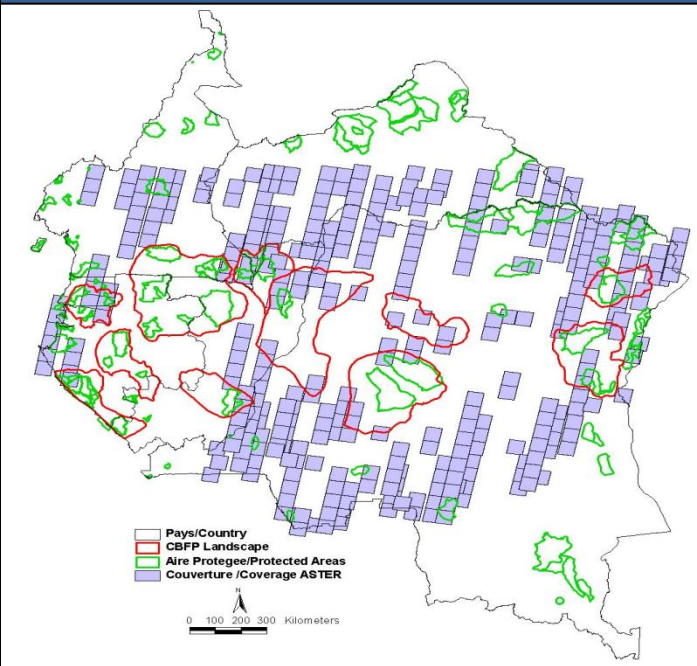
OSFAC acquired new equipment for the Congo Basin Forests Monitoring System :

- Servers (with LINUX OS) for data archiving and mass-processing
- Workstations (with windows OS) for value-added analysis using GIS
- UPS (for electric power protection)
- Software and scripts for image processing

Human resources :

- Two (2) OSFAC officers and
- Some interns will be working on this activity

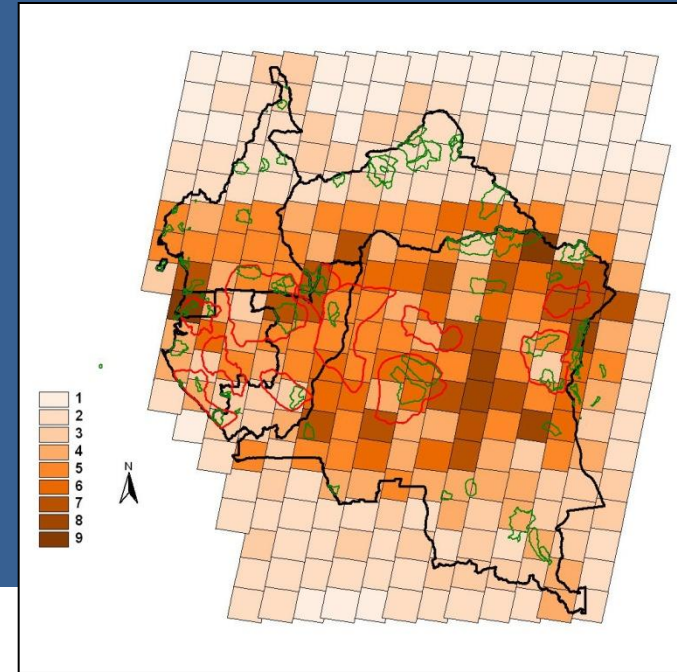
Data resources



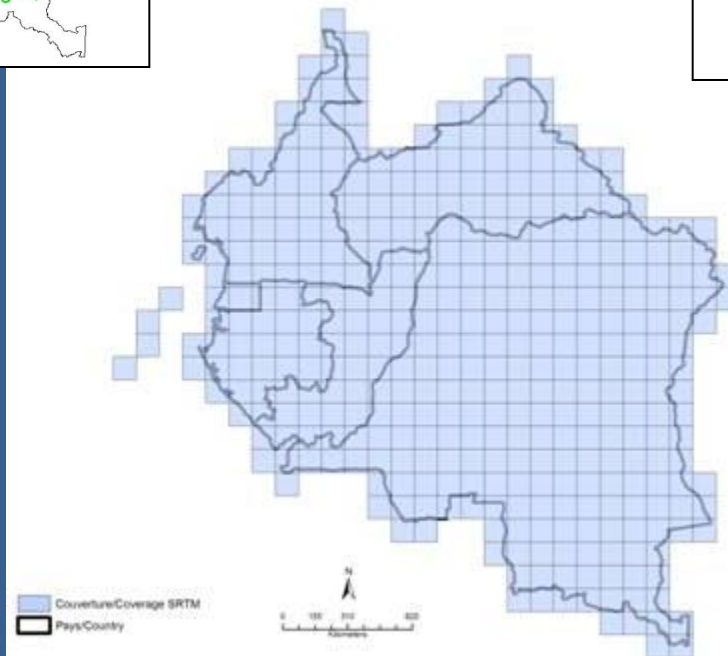
ASTER 2000-2008
Around 2600 granules

Others :

- MODIS Data
- LANDCOVER maps
- Etc.



LANDSAT 1984-2008
Over 6000 scenes



SRTM 2000
Around 600 granules

FACET – Forêts d’Afrique Centrale Evaluées par Télédétection

FACET will be a suite of operational forest monitoring products, including forest extent, structure, land use and change over time

Initial work will focus on forest cover and change

Methods transfer began in October 2009, with SDSU/OSFAC training visit

Two (2) OSFAC remote sensing and GIS engineers are now working on and receiving technical support from SDSU.

Interns will be working with OSFAC Officers in this task too.

Porting of the automated forest cover and mapping method using Landsat planned for this year (Hansen et al., 2008).

FACET – Forêts d'Afrique Centrale Evaluées par Télédétection

Additional themes to research and move towards operational production include:

- Time-series composites (annual, multi-year, etc.)
- Net forest cover change
- Forest degradation (CBFF project with WRI)
- Forest change drivers
- Forest land-use
- Forest structure
- Forest change patterns/modeling

OSFAC partnership

OSFAC has a strong relationship with several national and international institutions.

Among them:

- CBFF
- Forest Monitor
- START
- GEO
- NORUT
- EUROSENSE / G-MOSAIC

OSFAC VISION IN SHORT AND MEDIUM TERMS

The OSFAC Vision is to:

1. Provide operational products that accurately quantify Congo Basin Forest dynamics.
2. Generate annual and sub-annual reports documenting the story behind the products.
3. Continue capacity building training activities in both GIS and RS domains
4. Become the regional source for data and products describing the changing forest landscapes of Central Africa



Merci



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