



# **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

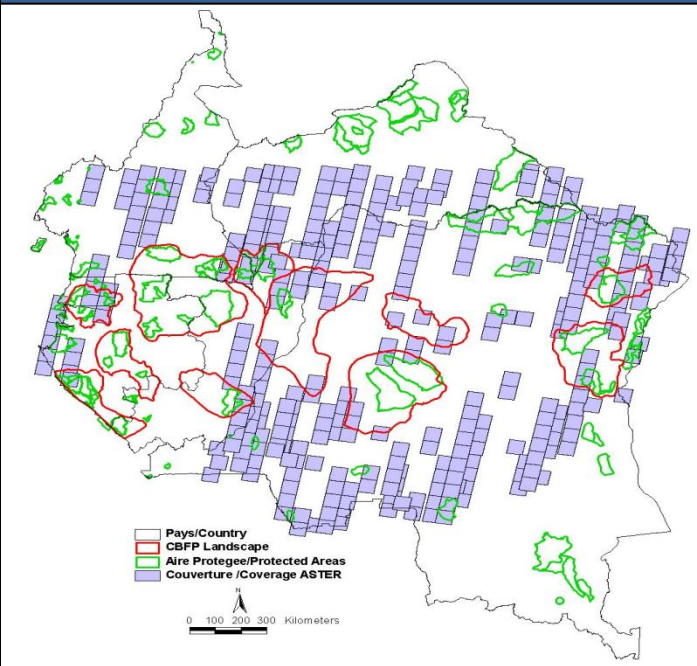
OSFAC acquired new equipment for the Congo Basin Forests Monitoring System :

- 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

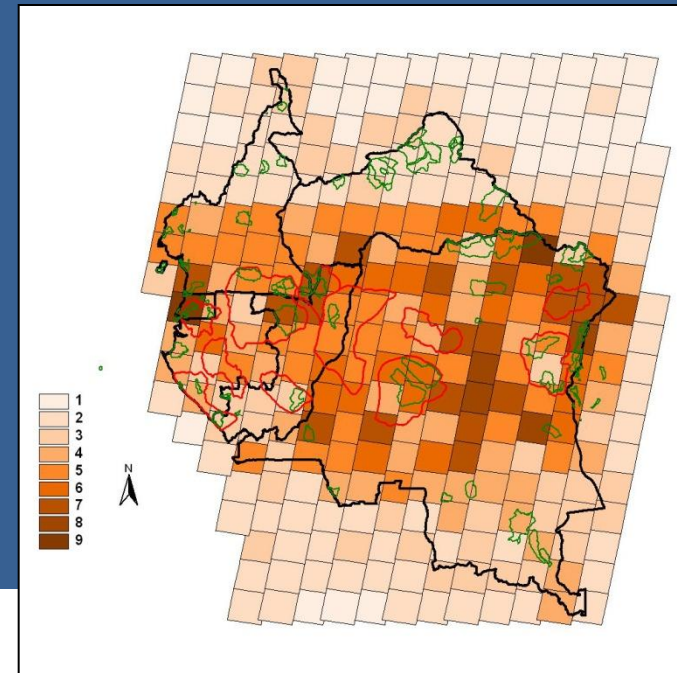
# Data resources



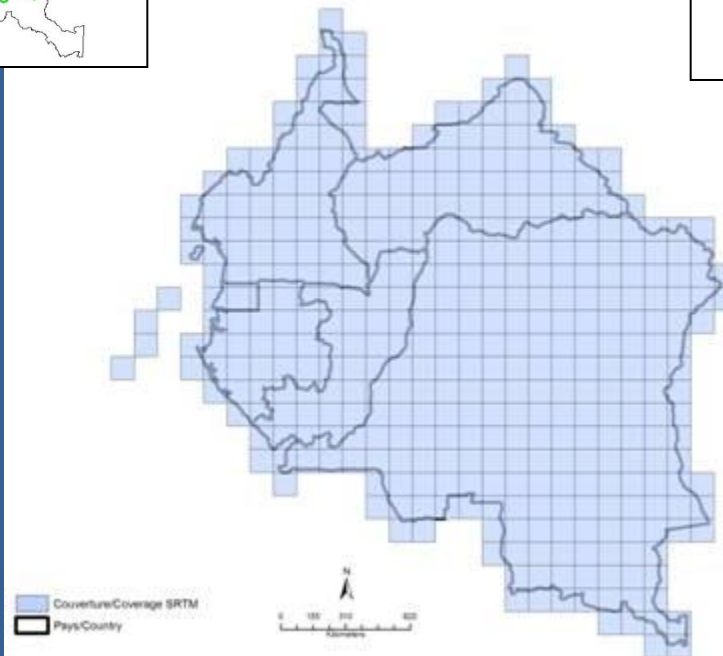
**ASTER 2000-2008**  
Around 2600 granules

## 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



**USAID**  
FROM THE AMERICAN PEOPLE

