IMPLEMENTATION OF GEOSS IN MADAGASCAR
As a developing country, Madagascar go to join the Capacity Building Strategic target step by step.
Madagascar in GEO

Activities undertaken since 9th GEO CBC Meeting until today

I. Institutional

8th Mai 2009 in the concile of the Government of Madagascar adopts the resolution of the 3rd Earth Observation Summit which establishes GEO and affirms its intention to take those steps necessary to implement the GEOSS.
The Government of Madagascar endorses the 10 year Implementation Plan as the basis for establishing a GEOSS to fulfil user requirement among various socio economic benefit areas,

The Government of Madagascar affirms its intention to provide the support necessary to execute the GEO 10 Yea Implementation Plan.
II. INDIVIDUAL CAPACITY BUILDING

07th - 11th July 2009: The ITC, IRGASS, GEONETcast and the EUMETSAT enhance the capacity building of Madagascar's member how to access the data from satellite system. They support Madagascar to participate in the short courses option « Water Security in Cape Town », which they co-organized.
The GEO Secretariat and the EUROPEAN COMMISION support Madagascar to participate in 5th, 6th, 9th and 10th GEO-CBC meetings.

The ICT, IGARSS, GEONETcast and the EUMETSAT train Madagascar to access easily to the satellite data.
AFTER THE SHORT COURSES WHICH THE ICT, IGARSS, GEONETCast AND THE EUMETSAT CO ORGANIZED, I realized that Madagascar has to set in Madagascar the ICT System to access all satellite data.

This is the reason of this project which I submit to GEO Secretariat.
PROJECT

INFRASTRUCTURE OF ICT SYSTEM IN 22 REGIONS AND 46 DISTRICTS NEAR PROTECTED AREAS
OBJECTIVE

- Easy to access to satellite data
- Automatisme of the ICT and environmental Reflexe
- Make known the population the spatial information of SBA
- Assure the Education for Sustainable Development to all malagasy citizens
- Monitoring the state of Environment by satellite data (Climate data, Fire, Water, Ocean, Biodiversity, Disaster, Energy, epidemiology, Soil, Air pollution)
- Preserve the mega biodiversity and the forest of Madagascar
<table>
<thead>
<tr>
<th>description</th>
<th>activities</th>
<th>specification</th>
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</thead>
<tbody>
<tr>
<td>Building</td>
<td>Rehabilitate the building of the Regional Bureau of Environment</td>
<td>Hall of Environmental and spatial Information</td>
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<td>Green Cyber for the children Hall of Environmental Animation</td>
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<tr>
<td>Infrastructures of ICT System</td>
<td>Importation</td>
<td>VSAT</td>
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<td></td>
<td>Installation</td>
<td>Computers</td>
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<td>Logiciels open source</td>
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<td></td>
<td></td>
<td>Video projector , Laptop</td>
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<tr>
<td>Recrutement</td>
<td>Call of recrutement</td>
<td>in Hall d’information</td>
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<td>Sélection</td>
<td>Webmasters</td>
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<td></td>
<td>Formation</td>
<td>Specialist ICT</td>
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<td></td>
<td>Monitoring and evaluation</td>
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**Maison-mère**
North West
North East
PLAN 1ST FLOOR

Plan Rez de Chaussée Maison Mise Centrale

REZ DE CHAUSSE
Plan du 1er étage de la maison mère centrale.
GREEN CYBER FOR THE YOUNG PEOPLE AND THE TOURIST
VSAT à liaison en boucle/VPN Viso-Conférence et streaming
Teléphone IP
SYSTEME D'INSTALLATION SUR LAMPADAIRE EXISTANT
POSSIBILITE DE STREAMING
AVEC UN CAMERA Wi-Fi
A 54 Mbits/s

Architecture en étoile pour assurer la couverture en haut débit sans-fil d'une ville
SYSTEME Wi-Fi COMBINEE AVEC CAMERA de Surveillance cachée Intégrée
COUVERTURE Wi-Fi INTERNET et TELEPHONE Wi-Fi
Cost of ICT System in each Region: 220 000 US$

Cost of 22 regions: 484 000 US$
COST of 46 District near the Protected areas: 10 120 000 US$
Total Cost: 10 604 000 US$
Composant II

DEVELOPMENT OF APPLICATION named « GENIES »
GEstion Nationale des Informations Environnementales et Spatiales
<table>
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<th>National</th>
<th>REFERENCES</th>
<th>Composantes</th>
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<tbody>
<tr>
<td>115 DISTRICTS 22 REGIONS</td>
<td>REPORT OF STATE OF ENVIRONMENT OF MADAGASCAR 2007</td>
<td>- EAUX -SOLS - ECOSYSTEMES TERRESTRES - ECOSYSTMES MARINS ET COTIERS</td>
</tr>
<tr>
<td>TIMELINE ; 1 YEAR</td>
<td>VITESSE DE CROISIERE</td>
<td>- ENVIRONNEMENT SOCIAL ET DEGRADATION ENvironnementale -GESTION DES CATASTROPHES - LES MESURES PRISES AVEC LES IMPACTS - LES PROJECTIONS ET LES RESULTATS ATTENDUS</td>
</tr>
</tbody>
</table>

- **Cost : 1 000 000 US$**
ACTIVITIES

• Collect all environmental data in all the village of Madagascar
• Develop the application « GENIES »
• Enter all data to the Application in each districts
• Develop this Application on line
• Update the environmental Information

• IMPACTS
• Direct Access to the environmental informations by theme, by space
• Monitoring of the state of the environment
• ....
PROJECT SEAS – OI

SURVEILLANCE ENVIRONNEMENTALE ASSISTE PAR SATELLITE – OCEAN INDIEN

Implemented by IRD – SPACE FRENCH State – REUNION - EU
Site de la Station de Réception

Près du campus universitaire de St. Pierre
Couverture géographique

Carte : Emprise de la station – Ile de La Réunion
Pays concernés

- La Réunion
- Madagascar
- Maurice
- Seychelles
- Comores
- Îles éparse
- Mozambique
- Malawi
- Swaziland
- Tanzanie
- Zimbabwe
- Afrique du Sud
Pôles de compétences et chantiers géographiques
THANK YOU