



**Innovative
Partnership for
forest
preservation in
Guiana SHIELD**

Innovative Partnership for Forest Preservation in the Guiana Shield

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INTRODUCTION

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1. SEAS – GUYANE

Monitoring of Environment Assisted by Satellite

- Built in 2005, the SEAS-Guyane technological platform is a sophisticated tool allowing to receive in real-time images acquired by Observation of the Earth Satellites
- **FINALITIES :**
 - Analysing territories and their evolution,
 - Developing innovating research activities,
 - Providing to higher education a unique tool in South America,
 - Stimulating the establishment of amazonian environment observatories,
 - Stimulating regional and international cooperation,
 - Fostering sustainable development of French Guiana, Caribbean and Amazonian areas.

○ Financial Partners:



SEAS Guyane

- The direct receiving station SPOT - SEAS Guyane - covers the entire region targeted by the project " REDD + Guiana Shield " .



- The main satellites acquired at the SEAS - Guyane station are SPOT 2, SPOT 4, Spot 5.
- Since 2005 about **700 000** SPOT images have been received by SEAS-Guyane, and archived.

- In 2013, more than **7000** images acquired have been exploited by scientific teams and the decision-makers which have useful data and frequently updated.

Earth Observation from Space: an important tool for REGION GUYANE

- **Remote Sensing technologies = an essential tool for information and decision-making on environmental issues (biodiversity conservation, Forests ' sustainable management, land use planning, ...)**
 - for instance: satellite data helps implementation of REDD+ mechanism
- **In REGION GUYANE's operating countries:**
 - Lack of available data and limited access to applications
 - Weak capacities for treatment and use of satellite images
 - Few good quality data available due to important cloud cover (tropical countries)

1. REGION GUYANE presentation

- Coopération
- PO INTERREG
- PO AMAZONIE
- interest in Satellite Technologies

REGION GUYANE / Astrium Partnership

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REGION GUYANE/Astrium Partnership: Scope (1/2)

- **Framework agreement between REGION GUYANE & Astrium (being signed)**, to promote the use of satellite data (through SPOT Images) to preserve and sustainably manage the Guiana Shield Rainforest.
- **Project Objective:** to give direct access to Central African countries to high resolution satellite images, with the objective of allowing them to develop national plans to mitigate climate change and successfully mobilize REDD+ financing resources
- **Coverage: tropical rainforest of Guiana Shield - 2 millions sq. km**
 - 4 beneficiary countries:
 - Guyana
 - Surinam
 - AMAPA (brésil)
 - French Guiana

REGION GUYANE/Astrium Partnership: Scope (2/2)

- **Total Amount : 90 k EUR funded by REGION GUYANE**
- **Beneficiaries: REDD End Users :**
 - ONF: Direction Régionale Guyane de l'Office National des Forêts, France
 - ONF International, France
 - SBB: Stichting voor Bosbeheer en Bostoezicht, Suriname
 - Guyana Forestry Commission, Guyana
 - SEMA: Secretaria de Estado do Meio Ambiente, Etat de l'Amapa, Brésil.
 - IEF: Instituto Estadual de Florestas, Amapa, Brésil
 - WWF Guianas, based in Suriname
- **A consortium was set to coordinate the program:
Region Guyane – ONF – ONFi– Astrium**
- Operator: **AIRBUS DEFENS AND SPACE** (ex. Spot Image)

Specific Objectives & Available Images

Provide an exhaustive coverage with recent images (>2011) regular updates:

- Access to archive images of satellites SPOT 4, 5 acquired by the SEAS Guyana station since 1 January 2011, included images acquired until the end of life SPOT5
 - *Products at basic level (1A) or ortho-rectified*
- access to the archive is unrestricted (i) the type (ie resolution) and (ii) the number of images mobilized.

Data Access Policy

- **Specific Licensing designed to respond to the needs of REDD users Community** : = « SPOT REDD license »
- for Identified End-Users and the Territory Identified, access to archives SPOT 4 and SPOT 5 acquired by the SEAS Guyane station since 1 January 2011.
- **Principles**
- Free Access, Sharing and Usage provided on SPOT Products to REDD End Users within the frame of REDD+ projects.
- **Licensing National REDD authority**: Public agency or Ministry in charge of developing and implementing REDD Strategy at national level, receiving the rights to distribute the SPOT Products
- **REDD license**: Multi user license agreement applying to Products and Value Added Products allowing to REDD End Users participating to REDD projects approved by the National Authority to access to Products.
- **Signature of licence**: Every end user must sign the licence to use

Perspectives

- REGION GUYANE /Astrium achievements demonstrates effectiveness of public & private partnership:
 - **development of reliable tools & capacities to use them in local decision making**
- REGION GUYANE Partnership contributes to **sustainably manage forests in the Guiana Shield**, the world's largest contiguous rainforest.

Merci
Thank you !

<http://www.cr-guyane.fr>

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