



Success Story SAWAP « Senegal »

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Contexte de la GDTE au PDIDAS



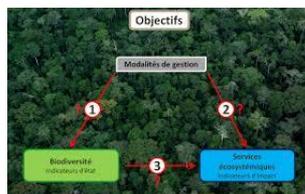
Exploitation des terres



Effets néfastes sur les RN :

- Perte de la biodiversité animale et végétale
- Déséquilibre du bilan carbone
- Augmentation de la pression sur les ressources en eaux
- Dégradation des terres

Atténuation des effets néfastes sur l'environnement à travers les aires protégées

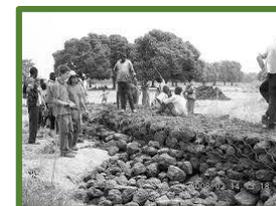


Aménagement forestier :

- 7 forêts classées
- 2 réserves naturelles

Activités mises en œuvre par l'ANGMV en relation avec le service forestier

Mise en place d'infrastructures d'irrigation pour une GDTE



Gestion rationnelles des ressources en eau et protection des sols et dans les terres aménagées (CES/DRS) :

- Promotion des techniques d'irrigation localisées
 - Mise en place de dispositifs antiérosifs

Activités mise en œuvre en relation avec les universités et le service forestier





Success story: Securing the Forestry domain

Ensuring the limits of protected areas by delocalization and use of mobile and Android applications

■ Context

PDIDAS is an Agribusiness development project in northern Senegal (Ngalam valley and Lake Guiers) on a 10,000 hectare reclaimed land.

Development of land produces negative effect on on the natural resources (loss of animal and plant bio-diversity, land degradation etc).

In order to reduce the negative effects, 7 forest classes and 2 natural reserves have been chosen to be restructured and managed in a participatory and an inclusive manner.

■ Issues

Protected land limits are not mostly unknown to the authorities and populations and are not taken into account during land ownership discussions. The level of encroachment is often very high in protected areas.

■ Solution

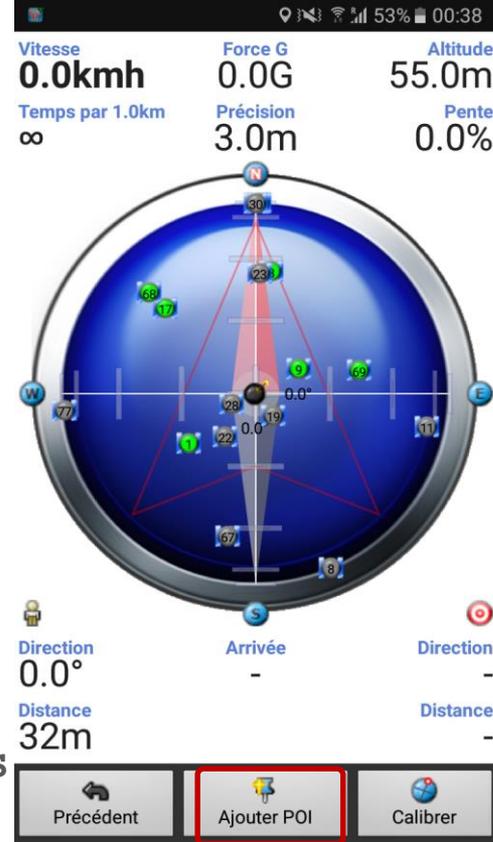
The mobile is a simple and accessible technology which can help in safeguarding limits of protected areas.





The "Recipe"

- The training of forestry agents in:
 - Use of GPS with Android powered mobile phones and tablets
 - Production of maps based on activities undertaken in protected areas
 - Storage of mapped protected areas in mobile phones
- Reduced training for management personnel of classified forests and natural reserves
- Reduced training for management personnel of classified forests and natural reserves



NB : The course is available with this presentation.
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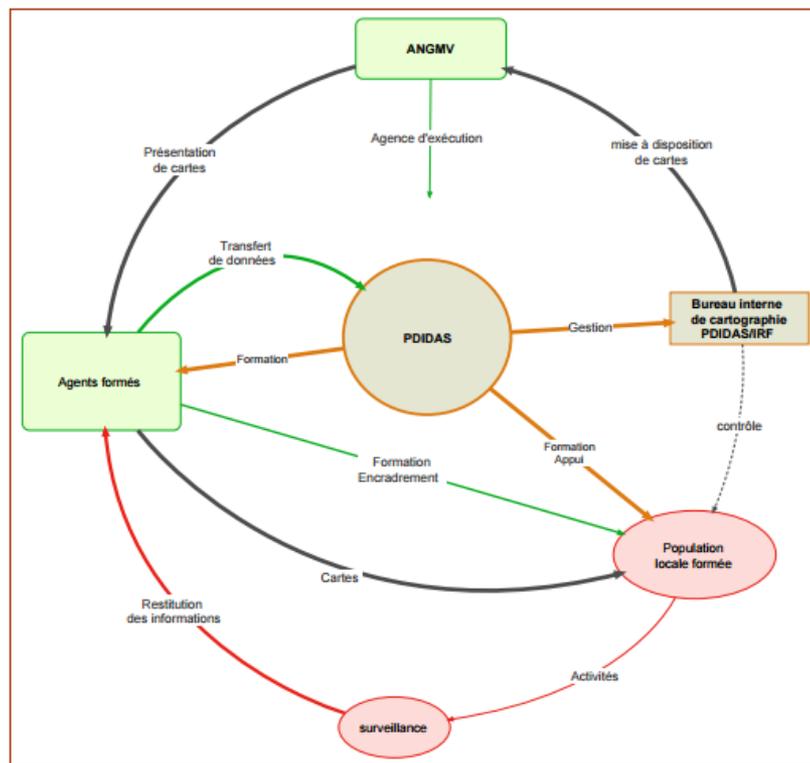
Achievements

Number of beneficiaries

- 10 Forestry agents have been trained in the use of GPS and cartography
- Android application for delocalisation is put at the disposal of forestry services to prevent encroachment on the forestry domain
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Other achievements

- A mapping device to perpetuate actions taken has been put in place





Success factors

- Increased use of the mobile by national actors in investigations on the ground
- Use of Android Application with GPS without internet connexion. The GPS in the mobile functions like the professional ones using satellite localisation systems
- Existence of map layers of classified forest and natural reserves of Senegal
- Existence of free maps as efficient as commercial software (example of Quantum GIS)



+ Problems

- Difficult access to electricity in remote classified forest and natural reserve areas
- Difficulty in internet access to send data collected by forestry agents to map office
- Under-resourced forestry agents and offices for continued mapping
- Non-existent means of mobility for some forestry agents who find it difficult to cover the zone of operation



+ Perspectives

- Supply of motorcycles to forestry agents
- Construction of solar energy facility for each classified and natural reserve management entity
- Equipping of forest services and populations in office and ICT equipment
- Reduced training for community technical services for a better knowledge of the limits of protected areas before discussion of parcels of land



+ Final Slide (signature)

Inclusive and Sustainable Agribusiness Development Project in Senegal (PDIDAS)

■ Projet Description

Objective :

To develop an inclusive commercial farming and a Sustainable land management in the Ngalam and Lac de Guiers areas.

Financing :

- The Government of Senegal through a Credit from International Development Association (IDA) 40 billion F CFA (\$80 million USD)
- and a grant of 3 billion FCFA (\$6 million USD) from the Fonds pour l'Environnement Mondial de 3 milliards (**6 millions USD**)

- Duration: 6 years (launching of project, July 2014)

■ Number of beneficiaries

Direct beneficiaries: more than 10,000 persons (more than 65% women) and more than 100 farm holdings.

Thanks for your attention

Thank you

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