



Survey of REDD projects in Central Africa Etude des projets REDD en Afrique Centrale

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1) General description / Description générale

Project name / Nom du projet:

Domain of activity / Domaine d'activité

(n answers possible, if possible sorted by priority 1= highest priority
plusieurs réponses possibles, si possible par priorité 1= plus haute priorité)

Monitoring of forest cover (deforestation and degradation) Suivi du couvert forestier (déforestation et dégradation)	1
Assessment of carbon stocks Mesures des stocks de carbone	1
Forest dynamics Dynamique forestière	3
Modelling of forest dynamics (including reference scenario) Modélisation des dynamiques forestières (dont scénario de référence)	3
Political and institutional context Contexte Institutionnel et Politique	3
Capacity-building and technology transfer Renforcement des capacités nationales et transfert de technologie.	1
Promotion of participation of local communities Promotion de la participation des communautés locales	3
Field Project with REDD potential (project generating emission reduction from Deforestation and Degradation without an MRV component) Projet de terrain ayant un potentiel REDD (projet permettant la réduction des GES liées à la déforestation et la dégradation sans composante MRV)	2
REDD Pilot Project (project aiming to generate measurable and verifiable GHG emissions reduction from deforestation and forest degradation) Projet Pilote REDD (projet visant la réduction mesurable et vérifiable des émissions de GES liés à la déforestation et à la dégradation forestière)	3

General objective / Objectif général

Specific objectives / Objectifs spécifiques

This project will assist the Republic of Congo in improving its readiness to join potential payment schemes by providing data, methods and assistance in developing national forest carbon accounting strategies and developing reference forest carbon emission levels. The methodologies, capacity, and results will be replicable in other Congo Basin countries

Region of interest / Région d'intérêt

Republic of Congo, Democratic Republic of Congo, Congo Basin region

Budget

(order of magnitude if confidential / ordre de grandeur si confidentiel)

1.8 million euro

2) Partners / Partenaires

(Institution, contact person, email)

Project leader / Leader du projet

Fred Stolle, WRI

Technical and scientific partners / Partenaires techniques et scientifiques

World Resources Institute <i>Dr. Fred Stolle</i>	Manage project and provide expertise in identifying and quantifying forest degradation and carbon emissions	<ul style="list-style-type: none">▪ Manage overall project to ensure activities, results, and outcomes are achieved on time, on budget, and with excellent quality▪ Coordinate project partner activities and deliverables to contribute to the projects results and outcomes▪ Complete project administrative and reporting requirements▪ Design and manage capacity building efforts▪ Conduct GIS and mapping▪ Interface with stakeholders▪ Coordinate necessary outreach and communication
IMAZON <i>Dr. Carlos de Souza</i>	Remote sensing expert	<ul style="list-style-type: none">▪ Develop, test, and implement degradation methodologies▪ Demonstrate methodologies▪ Conduct training and capacity building
OSFAC <i>Dr. Mane Landing</i>	Technical Support	<ul style="list-style-type: none">▪ Procure satellite images▪ Interpret satellite images▪ Interface with COMIFAC▪ Conduct outreach to civil society
Winrock International	Carbon accounting expert	<ul style="list-style-type: none">▪ Conduct carbon measurement▪ Conduct related field work

<i>Dr. Sandra Brown</i>		<ul style="list-style-type: none"> ▪ Conduct conversion from biomass to carbon ▪ Provide input regarding IPCC rules
South Dakota State University Dr. Matthew Hansen	Remote sensing expert	<ul style="list-style-type: none"> ▪ Provide improved Congo Basin forest data (from satellites and other remote sensing technologies) ▪ Refine methods and integrate new data into a new forest degradation overview method

Rep of congo

Financial partners / Partenaires financiers

CBFF,

3) Earth Observation component / Composante d'Observation de la terre

This part aims at identifying the characteristics of the Earth observation component if there is one. Leave it blank if it not the case.

Cette partie veut identifier les caractéristiques de la composante d'observation de la terre, s'il y en a une. Ne remplissez pas cette partie si ce n'est pas le cas.

Data used / données utilisées

Dataset Doonnées	Sensor / capteur Radar/optical/lidar...	Resolution	Coverage Couverture	Time & frequency Date et fréquence	Quality / qualité (good-medium- bad)	Accessibility (free access- with conditions – restricted)
	MODIS	250 m	Congo basin	2000-2010	good	free
	TM	30 m	Part of Rep of Congo	To be determined	good	free
	Airplane	< 1m	One specific area to be determined	One time 2011	good	free

Methods / Méthodes

(short description on sampling, classification methods... / description de l'échantillonnage, des méthodes de classification...)

Using SDSU tree cover change for congo basin. Using degradation vegetation index with TM by the desouzsa method and using winrock for air photo interpretation

Expected results / résultats attendus

(short description of products, parameters measured, frequency, expected accuracy..
Courte description des produits, paramètres mesurés, fréquence, précision attendue...))

Emerging payments for reducing carbon emissions from deforestation and degradation (through markets, funds, or other mechanisms) could provide a financial incentive to curb tropical deforestation. However, to be eligible for these payments, countries need to have credible information about the extent and location of forest cover change, and about fluxes in forest carbon stocks and flows. The UNFCCC, for example, requires that forest-based emissions reductions be “measurable, reportable, and verifiable”. This project lays the foundation for helping countries in the Congo Basin (the Republic of Congo initially) meet this criterion. In the absence of this project, participation in emerging payment systems would be significantly hampered.

This project also will contribute to curbing the rate of deforestation by building local capacity to monitor and make publicly available information about forest degradation in the Congo Basin which, until this project, has been typically hard-to-detect. This information will allow governments to prioritize the use of limited resources for forest protection and will empower local communities to better manage their forest resources.

Forest degradation in the Congo Basin is mainly caused by large-scale commercial logging, by small-holder harvesting of fuel wood, or small-holder conversion of forests to agriculture. Much of the degradation of forests by communities is a result of their poverty, as they must rely on fuel wood gathering and low-productivity subsistence agriculture for their livelihoods. Payments for ecosystems services (or forest/carbon funds) could potentially result in revenue that would address some of these community needs (e.g., alternative fuel sources, investments in agricultural improvements for small-holder farmers) and thereby help address poverty. By developing forest and carbon monitoring and measurement systems, this project helps lay a foundation for participation in novel financing approaches and policies.

Validation

(short description of validation protocols, reference data... / courte description des protocoles de validation et des données de référence)

SPOT data, field measurements and existing GIS data

4) Ground component / Composante sol

Parameters collected / paramètres collectés

(list of parameters with short description of collection method / liste des paramètres collectés avec une courte description des méthodes de collecte)

Sampling strategy / Stratégie d'échantillonnage

Statistical analysis / Analyse statistique

5) Integration Earth Observation - ground / Intégration Télédétection-sol

Integration methods / Méthodes d'intégration

(assimilation models, statistical models...)

Final products / Produits finaux

(estimation de biomasse, de flux de carbone, de flux financiers...)

<p>By 2012, the Republic of Congo meets UNFCCC technical requirements for measuring, reporting and verifying information on forest change and associated greenhouse gas (GHG) emissions and begins to take targeted actions to address the drivers of forest loss and forest degradation.</p>	<ul style="list-style-type: none"> ▪ Data submitted for a PES system such as REDD are accepted as meeting UNFCCC requirements. ▪ Increased capacity in the Republic of Congo in remote sensing, inside and outside government. ▪ The Republic of Congo publishes annual estimates of GHG emissions from deforestation and degradation, adopting methods recommended by this project. ▪ The Republic of Congo makes public its activity programs for reaching forest-related emission reduction goals. 	<ul style="list-style-type: none"> ▪ The country of or projects in the Republic of Congo are accepted to participate in one or more PES schemes. ▪ Country reports from the Republic of Congo on emissions reductions are made publicly available online or by other means. 	<ul style="list-style-type: none"> ▪ The Government acts upon the results of the information through targeted policies to reduce emissions from deforestation and degradation ▪ Projects to meet emission reduction goals are effectively implemented and money is equitably distributed to communities. ▪ Stakeholders, notably NGOs, forest communities and the private sector, participate actively in the development of compensation schemes. ▪ Independent monitoring of projects, data, and compensation schemes ensures that projects are in compliance with appropriate standards.
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Validation

(short description of validation protocols, reference data...)

6) Political component / Composante politique

Beneficiaries / Bénéficiaires

(REDD focal points, forest services, monitoring services, local communities... / points focaux REDD, services forestiers, services de suivi, communautés locales...)

The project will develop the capacity of Kinshasa-based Observatoire Satellital des Forêts d'Afrique Centrale (OSFAC) and government agencies to detect and monitor changes in forest extent, quality, and carbon emissions. It will empower civil society organizations to independently monitor forest health. To the degree that this foundation helps these countries curb deforestation and address poverty, the project will benefit forest-dependent communities.

Theme / thème

(Negotiation, reporting, monitoring, retrocession of payment... / négociation, reporting, suivi, distribution des bénéfices)

Monitoring and reporting

Type of action

(training, awareness-raising, field project, demonstration project, development of economic alternatives to deforestation and/or degradation, political study... / formation, sensibilisation, projet de terrain, projet de démonstration, développement d'alternatives à la deforestation et degradation, étude politique)

7) Capacity Building activities

Trainings delivered

(theme, beneficiaries, location, date, duration, frequency / thèmes, bénéficiaires, lieu, date, durée, fréquence)

Direct beneficiaries of this project include:

- National/regional government agencies in the Republic of Congo, which will improve capacity to monitor forest change and measure emissions and thereby prepare to participate in REDD or related mechanisms;
- Research institutions such as OSFAC, which will become a center of excellence on forest monitoring and carbon accounting; and
- Civil society organizations, which will receive information that empowers them to serve as an independent check on government management and monitoring.

OSFAC helped develop this proposal. WRI works with the Republic of Congo Ministry of Forest Economy (MoUs attached to this proposal) on sustainable forest management issues. We learned of their increasing interest in climate issues through our work and recent events (e.g., recent COMIFAC meeting).

Indirect project beneficiaries include:

- Other Congo Basin countries, to the degree they adopt monitoring and measurement approaches developed by this project;
- Local communities, since the project helps lay a foundation for participating in payments for ecosystem services or other mechanisms for curbing forest loss; and

The global community, since the project lays the foundation for protecting the climate regulation and biodiversity-related ecosystem services of Congo Basin forests.

Workshop organized

(theme, beneficiaries, location, date, duration, frequency / thèmes, bénéficiaires, lieu, date, durée, fréquence)

Support Provided for the organisation of local communities and/or local project management institutions

(Types of institutions created, structure and modus operandi, legal status, contractual arrangement and benefits sharing agreement / Types d'institutions créées structure et modes opérationnels, statut legal, accord contractuels et accord sur le partage des benefices)

Potential support in training/capacity building activities organized by others

8) General Details (For REDD Pilot Projects Only /Pour projets pilotes REDD seulement)

Pays	Rep of Congo
Surface	ha
Type de certification (MDP, VCS, ...)	
tURCE/VER générées	
Date de début du projet	1-feb-2010
Méthodologie utilisée	
Période de comptabilisation	
Coûts d'investissement (hors composante carbone)	Si disponible
% fonds propre	Si disponible
% dette	Si disponible
Revenus carbone	Si disponible
Delta TIR	Si disponible
Promoteur	Si disponible
Financier	Si disponible

9) Publications

List of publications or reports available in or relevant for the project – please send a digital copy of the public documents for publication on the OFAC web site

Liste des publications ou rapports disponibles dans le projet – envoyez une copie digitale des documents publics pour mise à disposition sur le site de OFAC)

10) Free comments / Commentaires libres

(including what you expect from this survey / incluant ce que vous attendez de cette enquête)