



BID Africa 1 – Small Grant Template

Final narrative report

Remember that all project activities should be completed within the implementation period of your project. The evaluation period must focus on final reporting and evaluation of your project.

Instructions

- Fill the template below with relevant information. If no result has been achieved on a specific point, **please indicate the reason of the delay and expected date of completion**. Use the information included in your project Full proposal (reproduced in annex III.a. of your BID contract) as a baseline from which to complete this template
- The information provided below must correspond to the financial information that appears in the financial report
- Sources of verification are for example links to relevant digital documents, news/newsletters, brochures, copies of agreements with data holding institutions, workshop related documents, pictures, etc. **Please provide access to all mentioned sources of verification** by either providing the link or sending a copy of the documents.
- This report must first be sent as a **Word document** to GBIF@GBIF.org and be pre-approved by GBIFS
- Once this report is pre-approved in writing by GBIFS, it must be signed by the BID project coordinator and sent by post to:

The Global Biodiversity Information Facility Secretariat (GBIFS)
Universitetsparken 15
DK-2100 Copenhagen Ø
Denmark

Template

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2. Project Information

2.1. Principal investigator and grant coordinator: Institution/network/agency name:

Centre d'Etudes, de Recherches et de Formation Forestières (CERF).

2.2. Principal investigator name and role:

AKOUEHOU S. Gaston, Grant coordinator

LOKOSSOU Romaric Serge; Principal investigator, Coordinate all activities related to the implementation of the project.

2.3. BID proposal identifier:

BID-AF2015-0046-SMA

2.4. Project title:

Strengthening the sustainable conservation of genetics resources by biodiversity data mobilizing in the forest reserve of southern and central Benin

2.5. Start date and end date of the reporting period:

Strat date: 06/06/16 End date: 05/06/17 Reporting period: 16/06/16 to 25/11/16

2.6. Country(ies) in which the activities take place:

Benin

3. Overview of results

3.1. Executive summary

Give a short summary of the activities implemented and the outcomes of the project for the whole implementation period (no more than 500 words maximum).

The project BID-AF2015-0046-SMA entitled “*Strengthening the sustainable conservation of genetics resources by biodiversity data mobilizing in the forest reserve of southern and central Benin*” was effectively launched the 17 June 2016 with a limited number of participation reduced to the project team members and the concerned actors and CERF staff research team. That was an opportunity to achieve the first activity related to the “project staff meeting” for elaborating and scoping project activities that would be implemented during the project implementation. This meeting has allowed to preparing the implementation of the Project’s next activities. The following activity was the experimentation field for Identification and data collection of new gregarious stands of native value species. It was implemented from 11 to 21 July 2016 and was conducted by CERF technicians and collaborators. These activities had allowed to collect complement data regarding the occurrence and distribution of native valuable species (a total of 499 occurrences) in gregarious stands in the Wari-marò classified forest in center Benin. Data digitization specialist, data capture operator and database specialist were engaged to





digitize, check, format and update de database. After this step, an updated and formatted database was elaborated and available.

Other important activity is the capacity enhancement workshop that held at the Cotonou (Benin) from 15 to 16 february 2017. It was opportunity to gathered thirty (30) keys stakeholders (National Center of Télédétection, Department of naturals resources conservation, Project of intensive afforestation, University of Abomey-Calavi, Laboratory of Forest Science), build and enhance their capacity on mobilization (digitization, capturing and formatting) process. The train had also addressed the highlight step of data publishing (on GBIF website) process and go-referencing of collected data through the GeoLocate software or website. The second workshop called "Information meeting", had taken place at Cotonou, Benin the 14 june 2017. This meeting was a framework to talk about the relevance of the project and inform about it achieved activities. It was also an opportunity to inform keys stakeholders about the importance of the program BID and data mobilisation in the biodiversity conservation. It is importance to notice that four periodic meeting of the project staff was held every three months to set activities to be implemented and monitor/evaluate the on-going or implemented activities.

3.2. Progress against expected milestones:

Expected milestones/activities	Completed? Yes/No	Explanatory notes	Sources of verification
Completed capacity self-assessment questionnaire for data holding institutions (http://www.gbif.org/resource/82785)	Yes	20/44	Report submitted to BID coordination team
The instituton that will publish your data is registered with GBIF.org For registered data publishers see: http://www.gbif.org/publisher/search	Yes	Direction Générale des Eaux, Forêts et Chasses	http://www.gbif.org/publisher/b2db85d5-c5fe-4125-9e36-590a5f651829
The data users identified in the full proposal have documented their intended use of the mobilized data and provided early feedback	No	50% From the 2 main data users identified, only CENATEL documented it intended use of mobilized data. Project 10MAA/ DGEFC did not because the project has been ended by the new Benin Governmental team	Letter of intended use of mobilized data



All mobilized data has been published to GBIF.org	Yes	Data published is an occurrence data with a scope of 499 occurrences from 1961 native trees observations	http://www.gbif.org/dataset/fcbdc07-af22-404a-934b-dec42d846a1c http://www.gbif.org/dataset/2dc27203-bf58-4477-9c8d-19c4953e1f3b
All published data meet the minimum requirements outlined in the Data Quality Requirements available at http://bid.gbif.org/en/community/data-quality/	Yes	-	-
The training outcomes of the project have been documented, including the number of people receiving certification through the BID Capacity Enhancement workshops, the number of people trained in nationally organized events, and the evaluation of the impacts of these training activities	Yes	Romarc Serge Lokossou is person who followed the online BID capacity enhancement workshop	We fail to achieve certification at the final evaluation periods (September to december) because we were involved in an experimentation project (hosted by the CERF) implemented in the classied Forest of Three Rivers. At this place, we have no internet conection to join the online BID workshop platform. We are so sorry for that and will be glad to have other opportunity to achieve or complete that online workshop and obtain the certificate.
Final capacity self-assessments have been completed with sustainability plans	Yes	100%	Report submitted to BID coordination team
All uses of the mobilized data have been documented	Yes	100%	Report of the Census of "projet cartographie" and the field report of the the current projet.
Best practices and lessons learned have been documented	Yes	100%	Report of capacity enhancement workshop (as achieved objectives of the workshop)



3.3. Project deliverables and activities

Refer to the table in section 2.2 “Deliverables, activities and reporting criteria” of your BID full proposal. Provide updates on the status of each of planned deliverables. We remind you that all deliverables should be completed at the time of drafting this report (end of implementation period). In the event of unexpected delay, please provide detailed explanatory notes and indicate planned completion date. Add as many rows as needed.

Deliverable	Related activity	Completed ? Yes/No	Explanatory notes	Sources of verification
Available monitoring and permanent plots within 46 gregarious stand in the south and center classified forest in Benin	Extending of the experimentation field	Yes	115% (46 gregarious stand instead of 40)	Field report
Occurrence data regarding native tree value species in gregarious stands in South and Central Benin are published in a suitable format.	Mobilizing, updating and formatting database	Yes	99,8% (412+87)/500. 1961 observation data (1452 for the current project and 509 for the previous)	http://www.gbif.org/dataset/fcbdcb07-af22-404a-934b-dec42d846a1c http://www.gbif.org/dataset/2dc27203-bf58-4477-9c8d-19c4953e1f3b
About 40 participants attended the information meeting	Hosting information meeting with data users, data providers, and project team and decision makers.	Yes	80% (40 participants attended the information meeting instead of 50 participants). Indeed, Invitations were sent to 50 participants but unfortunately only 40 had answered and attended the meeting. Furthermore, to fill this deficiency, 10 participants were added to the workshop capacity enhancement participants .	Information meeting report
30 participants attended to workshop for training in formatting and publishing of occurrence data in GBIF website,	Capacity enhancement workshop on formatting and publishing on biodiversity data	Yes	150% (30 participants attended the Capacity enhancement workshop instead of 20). This workshop has interested many stakeholders (more than 10 others than participants who were regular invited)	Enhancing Workshop report





			that asked for invitation. That is the reason why the project team decided to accept 30 participants instead of 20 to attend the workshop. This decision fit with the BID objectives to promote the use of digital information/data.	
National priorities actions for the phylogenetics resources conservation in south and center Benin	Information meeting with data users, data providers, and decision makers.	Yes	Identified resources persons need to lead activities related to the elaboration of priorities actions didn't attend the meeting because of their very busy program. However, one based on participants' expertise and project team experiences, some priority actions for the phylogenetics resources conservation at national level were defined.	Section 2.1 of the Information meeting report

3.4. Datasets published on GBIF.org

If the dataset is not yet published, please indicate detailed explanation about causes of delays". Add as many rows as needed.

Dataset title	Publishing institution	DOI or URL/Planned hosting institution	Date/expected date of publication	Explanatory notes
Occurrence dataset in Darwin core format entitled "Gregarious Benin valuable species"	Direction Générale des Eaux, Forêts et Chasse	http://www.gbif.org/dataset/2dc27203-bf58-4477-9c8d-19c4953e1f3b	26 /04/ 2017	As indicated in the project title, the study field concerned the gregarious stand of seedling native tree. The installed plots within those stands contain a low specific diversity.
Occurrence dataset in Darwin core format entitled "Additional list of gregarious Benin valuable"	Direction Générale des Eaux, Forêts et Chasse	http://www.gbif.org/dataset/fcbdc07-af22-404a-934b-dec42d846a1c	26 /04/ 2017	Therefore, taking into account this low diversity, about 1961 observation data (1452 for the current project





species”				and 509 for the previous) of native tree were mobilized. But, unfortunately it didn't allowed to achieve the expected milestones (499 instead of 500 occurrence data).
Data related to the location and occurrence of Installed permanent plots within the identified gregarious stands	Direction Générale des Eaux, Forêts et Chasse	http://www.gbif.org/dataset/fcbdc07-af22-404a-934b-dec42d846a1c	26 /04/ 2017	Data related to the location of installed permanent plots are available in the occurrence dataset published on GBIF portail. It can be viewed as “decimalLatitude” and “decimalLongitude” in the published dataset. Occurrences data belonging to the same plot has the same coordinate.
Repertoire of taxa of different species meet in the identified settlement.	-	-	-	From the discussion with the node manager GBIF-Benin, Checklist needed enough means and severale steps that could not be achieved in this laps of time.



3.5. Examples of use of biodiversity data available through GBIF

Use the table to document use or planned use of data available through GBIF as part of your project. You may want to refer to the section 2.5 'Plan to support the integration of biodiversity information into policy and decision-making processes' of your BID full proposal. Please provide the DOI for datasets published on GBIF or data downloaded from GBIF in the "Dataset" column. Briefly describe how the data have been used or are planned to be used in the "Data use" column (ca. 50 words). Provide the date or approximate time frame in months for the use or planned use in the "Date/time frame" column. Please provide links to any documents or webpages documenting the use in the "Sources of verification" column. Add as many rows as needed.

Dataset	Data user	Data use	Date/time frame	Sources of verification	Notes
Gregarious Benin valuable species	CENATEL, CERF	<ul style="list-style-type: none"> - Permanent plot of native seedling tree in the gregarious stand in Wari-maro for research issues - Ecological monitoring 		Field report http://www.gbif.org/dataset/2dc27203-bf58-4477-9c8d-19c4953e1f3b	
Additional list of gregarious Benin valuable species	CENATEL, CERF	<ul style="list-style-type: none"> - Permanent plot of native seedling tree in the south part of Benin for research issues - Ecological monitoring 		http://www.gbif.org/dataset/fcbdc07-af22-404a-934b-dec42d846a1c	

3.6. Events organized as part of the project

List all the events that have been organized as part of your project. Please provide links to any documents or webpages documenting the use in the "Sources of verification" column. Add as many rows as needed.

Full title	Organizing institution	Dates	Number of participants	Sources of verification
First Project team meeting	CERF	16/06/2016	10	First scope meeting report (List of participants)
Second Project team meeting	CERF	18/11/2016	10	Second scope meeting report (List of participants)





Third Project team meeting	CERF	02/02/2016	10	Third scope meeting report (List of participants)
Capacity enhancement Workshop	CERF	15/02/2016 au 16/02/2016	30	Capacity enhancement Workshop meeting report (List of participants)
Fourth Project team meeting	CERF	05/06/2016	10	Fourth scope meeting report (List of participants)
Information meeting	CERF	14/06/2017	40	Information meeting report (List of participants)



4. Implementation of BID project activities

Refer to section 2.2 "Deliverables, activities and reporting criteria" in your BID full proposal. Provide updates on each of the activities using the reporting criteria and other sources of verification as appropriate.

Sources of verification are for example links to relevant digital document, news, newsletter, brochures, copies of agreements with data holding institutions, workshop related documents, pictures, etc.

4.1. Goal 1: Increase available biodiversity data, within and beyond the grant period

Activity 1 name:

First and second periodic meeting of project team

Description of any implementation during the reporting period

The first periodic meeting of the project team was held the 16 June 2016. It was a scope meeting with the project team members and the concerned actors in the way to set and planning the field work related to the extension of the experimentation field and collection of news data. The second meeting that held 18 November 2016 was mostly to plan how implement the digitization, curation, checking, formatting and publishing of dataset on the GBIF website.

Sources of verification

meeting report

Activity 2 name:

Field work collection (46 plots installed within 40 gregarious in the south and center Classified forest)

Description of any implementation during the reporting period

This activity achieved from 11th July to 21th July is about the Extension of the existence experimentation field in south Benin to central Benin by taking into account Wari-Marou Classified forest. Thus, a total of 46 new gregarious stands of native valuable trees species were recorded in the Wari-Marou Classified forest. Occurrence data of those species were also recorded within those gregarious stands.

Sources of verification

Field Report

Activity 3 name:

Mobilizing, digitizing and formatting database (1961 records of native trees value species in gregarious stands in all forest reserves in South and Central Benin are available in formatted database).

Description of any implementation during the reporting period

Recorded data from the new identified gregarious stands in Wari-Marou Classified forest in central Benin were digitized. The new dataset obtained from this digitization were formatted as recommended by GBIF. The existence database regarding the gregarious native trees in south Benin were also mobilized, digitized and formatted into GBIF format.

Sources of verification

Field Report





Activity 4 name:

Data publishing on GBIF website part1

Description of any implementation during the reporting period

Occurrence dataset formatted in Darwin core format entitled "Gregarous Benin valuable species" by the project team leader was assigned to The GBIF Node Manager (Prof Ganglo) the 26 April 2017 to be published on the GBIF website.

Sources of verification

Link: <http://www.gbif.org/dataset/2dc27203-bf58-4477-9c8d-19c4953e1f3b>

Activity 5 name:

Data publishing on GBIF website part2

Description of any implementation during the reporting period

Formatted occurrence dataset in Darwin core format entitled "Additional Gregarious Benin valuable species" was assigned to The GBIF Node Manager (Prof Ganglo) the 26 April 2017 to be published on the GBIF website.

Sources of verification

Link: <http://www.gbif.org/dataset/fcbdc07-af22-404a-934b-dec42d846a1c>

4.2. Goal 2: Apply biodiversity data in response to conservation priorities

Activity 1 name:

Capacity enhancement Workshop on digitization, formatting and publishing technics on biodiversity data.

Description of any implementation during the reporting period

Held from 15 to 16 February 2017, the workshop on "Capacity building on the mobilization, formatting and publication of biodiversity data on the GBIF site in Benin" brought together stakeholders in the research and environment agencies as DGFRN (Department of Natural Resources Conservation), CERF, PRI (Intensive Reforestation Program), FSA (Faculty of Agronomy Science), CENATEL (National Centre of Remote detection), CERF (Centre of Forestry Research and Training), LSF (Laboratory of Forest Science). A total of thirty (30) participants had attended this workshop which took place at Cotonou in Benin. The overall objective of this training is to contribute to the achievement of the objectives of the BID program by strengthening the mobilization capacity and the effective use of biodiversity information through a community of practitioners equipped with biodiversity informatics. It was also an opportunity to highlight the importance of biodiversity conservation in the conservation of biodiversity.

Sources of verification

Workshop report, certifications

Activity 2 name:

Information meeting





Description of any implementation during the reporting period

On June 14, 2017, the Information meeting workshop of the Project "BID-AF2015-0046-ADM brought together forestry and research stakeholders as DGFRN (Department of Natural Resources Conservation), CERF (Centre d'Études, de Recherches et de Formation Forestière), PRI (Intensive Reforestation Program), FSA (Faculty of Agronomy Science) and private University UPIB. A total of forty (40) participants attended the workshop in Cotonou, Benin. The overall objective of this workshop is to inform data holders, data users and others stakeholders about the relevance and results of the BID project.

Sources of verification

Information meeting report

[Add as many activities as given in your full proposal under "Deliverables, activities and reporting criteria" for goal 2]





5. Updated calendar for the BID project implementation and evaluation period

The calendar should be completed in the same way as in the Full Project Proposal, but should include any expected changes. Provide reasons for any expected changes in section 5.1 'Explanatory Notes'.

Implementation period (maximum 12 months, starting 1 June 2016 at the earliest)																										
Implementation period start date and end date (dd/mm/yy)																										
Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Notes	
Mid-term evaluation & reporting						X								X												
Periodic meetings of project team with concerned actor	X				X				X			X														
Extending experimentation field to all forest reserve in the whole southern and central of Benin		X	X																							
Collecting data		X	X	X																						
Data curation, clearing and formatting to Darwin Core spread sheet					X	X	X	X																		
publishing formatted database of threatened native value trees species on the GBIF website											X															
Workshop for training on formatting and publishing of the occurrence biodiversity data on GBIF website									X																	
Data Users and decision makers information meeting													X													





Evaluation period (maximum 6 months, ending 31 December 2017 at the latest)							
Evaluation period start date and end date (dd/mm/yy)							
Activity	1	2	3	4	5	6	Notes
<Activity name>							
<Activity name>							

5.1. Explanatory notes:
20/44



This programme is funded by the [European Union](#)

6. Sustainability plans

Explain the approach that will be taken to ensure the sustainability of the project's results after the end of your project (500 words maximum)

One of the important points in this project is to be pursuing after the carry out period. So, to ensure the sustainability of the project's results, several actions at different level will be done by the CERF alone or in collaboration with others data users or decision making institutions. Firstly, the installed seedling plot will be converting to permanent seedling plots by CERF for the monitoring of different plant flowering and maturation stage of selected species in all gregarious stands in the study area. That will allow collecting over type of biodiversity data about different plant flowering and maturation stage of biodiversity in the future. The permanent plots will also allow updating the available database each year. Indeed, the seedling plots that were converted to permanent seedling plots will be useful to collect new or recent data each year for updating the database. Secondly, map of gregarious stands of native value species tree and the lists of threatened native value species will be published and shared with the DGFRN and CENATEL to reinforce the Protection and to lead the monitoring of gregarious stands of valuable seed tree species in all forest reserves in South and Central Benin. All publications about the project results will be shared with the project "Intensive Reforestation Program" to help it for the reforestation Implementation in all forest reserves with the native value species for the conservation of forest genetic resources. At last, this project results will be a warning and thus will allow the forest managers, the researchers at different level and reforestation organizations to plan and recommend appropriate interventions at an appropriate time. This will encourage natural regeneration of forest native's species tree and save endangered species.

7. Beneficiaries/affiliated entities and other cooperation

7.1. Relationship with project partners

Please describe the relationship between your project coordinating team/institution and your project partners, and with any other organisations involved in implementing your BID project.

One of the important goals of CERF is to provide values trees seeds required for the reforestations program as "Intensive Reforestation Program" and others kind of usage. The aim of this project is almost to secure and make available high quality of native trees seeds for the reforestation for all actors or stakeholder in biodiversity sector.

7.2. Links to other projects and actions

Where applicable, outline any links and synergies you have developed with other actions, e.g. GBIF nodes, other BID funded projects, etc. If your organization has received previous grants in view of strengthening the same target group, how far has your BID project been able to build upon/complement the previous project(s) ?

The project team had attended a meeting / capacity enhancement workshop organized by National BID project where we discussed with others BID funded projects and GBIF node team about how to better implement with efficiency ours project activities.

The project team also has taken support upon the background (team experiences, dataset, relationship...) of the previous project entitled "Identification and Mapping of seedling plots for high quality seeds production within native stands in several forest reserve in south and center of Benin".





8. Visibility

Please refer to the [BID guidelines](#)

8.1. Visibility of the BID project

How is the visibility of your BID project being ensured?

Short summary

The visibility of this project is ensured through the presentation of its context, objectives, activities and deliverables to the CERF agency members, concerned actors and also at the National and regional BID grant organized workshop. It was also ensured through the capacity enhancement workshop and information meeting. All documents, poster and PowerPoint presentation will bear the BID project identification and title.

Sources of verification

All reports (Capacity enhancement workshop, Information meeting, Periodics meeting, narrative report) and presentations (powerpoint, posters...) and workshop certifications, contract and invoices.

8.2. Visibility of the EU contribution

How is the visibility of the EU contribution being ensured within your project implementation?

Short summary

The EU logos are upon all receipt, invoice, contract and all publications (Certifications, Poster, Article, powerpoint...) to show the visibility of EU as the principal funder of the Project. Furthermore, all reports (Capacity enhancement workshop, Information meeting, Periodics meeting, narrative report) and workshop certifications bear the EU logos as principal funder.

Sources of verification

All reports (Capacity enhancement workshop, Information meeting, Periodic meeting, narrative report) and presentations (PowerPoint, posters...) and workshop certifications, contract and invoices.

Signature _____

Name of the contact person for the BID Project: _____

Date report sent by email in Word format to bid@gbif.org for pre-approval: _____

Date report sent by post to GBIF Secretariat: _____



This programme is funded by the [European Union](#)