



BID Africa 2015 – National Grant Template

Final narrative report

Instructions

- Fill the template below with relevant information. **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 direct 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 direct 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. Project Coordinator: Institution/network/agency name:

National Flora Center (CNF), University Felix HOUPHOUËT-BOIGNY

2.2. Main contact person and role:

Joseph Ipou IPOU, Project Coordinator

2.3. BID proposal identifier:

BID-AF2015-0025-NAC

2.4. Project title:

Evaluation and development of a funding mechanism and efficient management of data on plant biodiversity in Côte d'Ivoire (I

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

1 June 2016- 01 December 2019

2.6. Country in which the activities take place:

Côte d'Ivoire (Ivory Coast)

3. Overview of results

3.1. Executive summary

Give a short summary of the activities implemented and the outcomes of the project for the reporting period (500 words maximum)

The project activities were started from July 2016. They were carried out in three phases. During the first phase, from July to December several activities were developed especially preliminary activities, project launch, inventory of bio-floristic data holding structures and stakeholders training, capacity-building. Thus, three workshops were organized. Subsequently, the material was acquired to start the first activities. Data cleanup and digitization activities have begun. In the second phase from November to August 2018, the activities started during the first phase continued and were reinforced. Firstly, a meeting between partners was held at the Jean Lorougnon Guédé University, in Daloa, Côte d'Ivoire. Two capacity-building missions were accomplished in Benin and in France. Workshops and training were organized for partners and data holders. Surveys were conducted in five cities of Ivory Coast (Abidjan, Yamoussoukro, Daloa, Bouaké and Korhogo). Digitization activities are on-going within the different herbaria of the project partners. Also, 1603 occurrence data from the CNF samples were published. Also, documents related to biofloristic activities (reference documents) were ordered to reinforce the libraries of partner structures. During the third phase of project implementation, several activities were carried out. Continued training, digitization and publication of data on the GBIF website. Thus, regarding training activities, 5 workshops were organized for consortium members and institutional partners. During these workshops, the capacities of consortium members and partners were strengthened. Likewise, an invitation to a workshop organized by the regional GBIF project was honored. One training session was organized for one member of the consortium, namely Jean Lorougnon Guédé University (UJLOG) and the Swiss Center for Scientific Research (CSRS) for the digitalization of their herbarium. 29357 specimens were digitized in one or two copies for a total of 18831 occurrences at CNF, 760 occurrences for UJLOG for 882 specimens, 8896 occurrences at CSRS for a total of 11496 specimens and 7053 occurrences for IBAAN. In this period, 6 datasets were published by CNF on the GBIF



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

website for a total of 18831 occurrences. One dataset published by IBAAN with 7053 occurrences for 9000 specimens. Concerning UJLOG, a dataset with 760 occurrences has been released and a dataset with 8896 occurrences has been published by CSRS Too. In total 35040 occurrences have been published by the consortium. In parallel with the digitization, 8029 specimens were scanned at the CNF and 882 at Daloa. The difference observed between the projected data (75000) and the data obtained (35040) could be explained on the one hand by the loss of many specimen because of the conditions of conservation and especially on the other hand by the loss of a number important specimen of the vandalism perpetrated at the CNF during the 2011 post-election crisis in Côte d'Ivoire. As the consortium had only one scanner, this could not be done at IBAAN and CSRS. However, it can be realized for these two structures with the acquisition of another scanner as part of a complementary project obtained by the consortium to be published on the GBIF website. A database of CNF samples has been created and available on www.cnf-ufhb.ci.

3.2. Progress against expected milestones:

Give an overview of all the expected milestones for your project from the beginning until now (see Annex V of your contract)

Expected milestones/activities	Completed ? Yes/No	Explanatory notes	Sources of verification
Completed capacity self-assessment questionnaire for national biodiversity information facilities https://www.gbif.org/document/82277/capacity-self-assessment-guidelines-for-national-biodiversity-information-facilities (EN) https://www.gbif.org/document/82782/evaluation-des-capacites-pour-les-systemes-nationaux-dinformation-sur-la-biodiversite (FR) (Early Progress report milestone)	YES		BID@GBIF.org
At least three national data publishing institutions are registered with GBIF.org Guidelines to become a publisher: https://www.gbif.org/become-a-publisher (Early Progress report milestone)	YES	CNF, IBAAN, UJLOG and CSRS are registred	www.gbif.org/publisher/search?country=CI
At least one person from the project team has completed the certification process following the BID Capacity Enhancement workshop on Data Mobilization organized as a part of the BID programme Africa 2015 (Early Progress report milestone)	YES		www.cnf-ufhb.ci First BID Capacity Enhancement Workshop, Kigali, Rwanda. The certification is complete now and we are waiting for the instructions of the scretariat of GBIF
Knowledge dissemination activities have been scheduled following the first BID Capacity Enhancement workshop (Early Progress report milestone)	YES		www.cnf-ufhb.ci



At least one dataset has been published to GBIF.org (Midterm report milestone)	YES		The published Dataset: - https://doi.org/10.15468/jck3cq - https://doi.org/10.15468/ich8cw - https://doi.org/10.15468/igj3uj - https://doi.org/10.15468/j4fnjr - https://doi.org/10.15468/3vxxjd - https://doi.org/10.15468/ekrbpi - https://doi.org/10.15468/wh7guo - https://doi.org/10.15468/onaviz - https://doi.org/10.15468/gdbrsj https://www.gbif.org/dataset/search?q=Côte d'Ivoire
The data users identified in the full proposal have documented their intended use of the mobilized data and provided early feedback (Midterm report milestone)	YES		www.cnf-ufhb.ci
All mobilized data have been published to GBIF.org (Final report milestone)	Yes		www.gbif.org
All published data meet the minimum requirements outlined in the Data Quality Requirements available at https://bid.gbif.org/en/community/data-quality/ (Final report milestone)	YES		www.gbif.org
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 (Final report milestone)	YES		www.cnf-ufhb.ci
Final capacity self-assessments for national biodiversity information facilities have been completed with sustainability plans. https://www.gbif.org/document/82277/capacity-self-assessment-guidelines-for-national-biodiversity-information-facilities (EN) https://www.gbif.org/document/82782/evaluation-des-capacites-pour-les-systemes-nationaux-dinformation-sur-la-	YES		www.cnf-ufhb.ci



biodiversite (FR) (Final report milestone)			
All uses of the mobilized data have been documented (Final report milestone)	YES		www.cnf-ufhb.ci
Best practices and lessons learned have been documented (Final report milestone)	YES		www.cnf-ufhb.ci

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. 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
The number of partnership agreements signed between the actors involved in biodiversity research	Workshop	YES		www.cnf-ufhb.ci
The number of actors trained in bio-floristic data requirements	Workshop	YES		www.cnf-ufhb.ci
The number of researchers trained in the drafting of an editorial policy brief for the valuation of research work	Workshop	YES		www.cnf-ufhb.ci
The number of policy briefs prepared	Workshop	YES		www.cnf-ufhb.ci
The number of plant species and their status	Data processing	YES	Available data still being cleaned up and added to the site	www.cnf-ufhb.ci
The number of plant specimens in the herbarium of the CNF	Data gathering	YES		www.cnf-ufhb.ci/biblio/
The national floristic database	Data gathering	YES	Update in progress	www.cnf-ufhb.ci/biblio/
Number of data papers	Workshop	YES		





The number of partners trained by the BID in the mobilization and management of data	Workshop	YES		www.cnf-ufhb.ci
The number of structures holding biodiversity data	Surveys	YES		www.cnf-ufhb.ci
The platform of decision-makers and researchers is functional	Workshop	YES		www.cnf-ufhb.ci
Reports of workshops on the promotion of use of the use of freely accessible biodiversity data	Workshop and Reports	YES		www.cnf-ufhb.ci



3.4. Datasets published on GBIF.org

Refer to the table in section 2.4 “Biodiversity data mobilization plan” of your BID full proposal. If the dataset is not yet published, please indicate the name of the institution that is expected to host the data when published in the column “DOI or URL/Planned hosting institution”. Add as many rows as needed.

Dataset title	Publishing institution	DOI or URL/Planned hosting institution	Date/expected date of publication	Explanatory notes
Les Rubiaceae, Orchidaceae, Moraceae, Sapindaceae, Malvaceae, Melastomataceae, Verbenaceae, Loganiaceae, Sapotaceae, Scrophulariaceae, Sterculiaceae, Liliaceae, Meliaceae, Ochnaceae, Tiliaceae, Rosaceae, Solanaceae, Violaceae, Zingiberaceae, Myrtaceae, Rutaceae, Loranthaceae et quelques 71 autres familles de plantes de l'Herbier du Centre National de Floristique en Côte d'Ivoire.	CNF	https://doi.org/10.15468/ekrbpi		
Les Poaceae, les Fabaceae, les Euphorbiaceae, les Caesalpiniaceae, les Cyperaceae, les Mimosaceae, les Hippocrateaeceae, les Lamiaceae, les Dioscoreaceae, les Ebenaceae et quelque 28 autres autres familles de l'herbier du Centre National de Floristique, en Côte d'Ivoire.	CNF	https://doi.org/10.15468/3vxxjd		
Occurrences portant sur 941 espèces de plantes appartenant à	CNF	https://doi.org/10.15468/j4fnjr		



45 familles de l'herbier du Centre National de Floristique, en Côte d'Ivoire				
Données d'occurrence de l'Herbier de l'Université Jean Lorougnon Guédé	UJLOG	https://doi.org/10.15468/wh7guo		
Les ptéridophytes de l'herbier du Centre National de Floristique en Côte d'Ivoire	CNF	https://doi.org/10.15468/i3h8cw		
Les occurrences des Gymnospermes de l'herbier du Centre National de Floristique (Côte d'Ivoire)	CNF	https://doi.org/10.15468/igj3uj		
Diversité à partir d'une liste d'occurrences d'espèces appartenant à quelques familles de l'Herbier du Centre National de Floristique (CNF) en Côte d'Ivoire	CNF	https://doi.org/10.15468/jck3cq		
Occurrences des échantillons de l'Herbier du Centre Suisse de Recherches Scientifiques (CSRS) en Côte d'Ivoire	CSRS	https://doi.org/10.15468/gdbrsj		
Occurrences des échantillons de plantes de l'Herbier de l'Institut Botanique Aké-Assi d'Andokoi (IBAAN), Côte d'Ivoire	IBAAN	https://doi.org/10.15468/onaviz		

3.5. Examples of use of biodiversity data available through GBIF

Data mobilised through the BID programme, ultimately, should guide natural resource conservation and management policy. We require you to report on how you have integrated these data into these policy-making processes. You may want to refer to the section 2.5 "Plan to support the integration of biodiversity information into policy and decision-making process" of your original proposal as a reminder of your original commitments.

As part of that process, we request you to provide us with a summary of how you have used these data within the decision-making process and we have included some guiding questions below to help with that process. Please note that if your dataset has been combined with other datasets in analyses that guide the decision-making process, then this should be recorded too.





The project highlighted the importance of data available to the main herbarium in Côte d'Ivoire. Therefore, the strategy for integrating biodiversity information into decision-making has been to involve the national structures of the sector in several meetings organized by the consortium. The aim of this collaboration, was to show the diversity of plant species in order to advocate for their conservation. As these data are primary, a phase of processing and validation of these data to make them national data is necessary. They would then update national data that have not been updated for several decades through scientific publications and the writing of a monograph on Ivorian flora. In addition, researchers were trained to write policy briefs to enable them to make fair policy advocacy and influence their decision-making. Also, the various actors were equipped to use bases in the field of biodiversity with free access within the framework of their activities.

Description

Has your project been successful in integrating data within the policy-making process?

Where did the demand for these data come from?

If yes, which policies have been developed using your data?

If no, what were some of the challenges you faced in getting your data into those processes?

Did you have a biodiversity data integration plan from the beginning of your project? If so, did you have to adapt your plan as the project progressed and why did you have to make those alterations?

In what format are your data being used i.e. what were the analyses, if any, that you needed to perform on the data to ensure that they was in a format accessible to policy-makers?

What level of communication has there been with the relevant policy stakeholders i.e. by which means? With what regularity? And, how critical have these interactions been for the development policy-relevant analyses?

What additional support (resources, tools, network, training) would be needed for your project to ensure the flow of information from mobilisation to decision-making?

How would you improve on your own processes in the future to improve data integration in the future?

Data may serve other purposes other than for policy-making and these are as valuable. How was your data used for other purposes e.g. development of training materials, scientific publications, communication activities etc?

Supporting materials

As part of our reporting, we request you to provide us with a copy of any materials highlighting data use on your dataset, either on its own or in combination with other datasets. This could be in the form of:

- Reports – governmental, ministerial, non-governmental organisations, international policy-making bodies
- Policy briefs
- Scientific publications
- Outputs from analyses that will be used in the future e.g. species distributions maps and other spatial analyses
- Education/communication materials

Please provide a valid dataset to the doi. Where the doi is not known, please state why.

Name of resource	Type of resource i.e. report, policy brief, scientific publication, analysis output, education materials, communication materials, other (please specify)	Dataset doi	Link to document or publication citation
Restore the 16 million hectares of Ivorian forest cover through reforestation is possible	Policy-brief	To be publish post project	



De l'or vert sur nos pages	Policy brief	To be publish post project	
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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
Meeting	CNF/UJLOG/CSRS/IBAAN	16 June 2016	06 persons	Meeting report
Meeting	CNF/UJLOG/CSRS/IBAAN	9 July 2016	06 persons	Meeting report
Meeting	CNF/UJLOG/CSRS/IBAAN	27 July 2016	04 persons	Meeting report
Project launching workshop	CNF/UJLOG/CSRS/IBAAN	17 August 2016	42 persons	Workshop report
Capacity Building Workshop in BID- Mobilization data on Biodiversity	GBIF	22-25 August 2016	23 persons	Mission report
Meeting of GBIF projets Coordinators in Côte d'Ivoire with the Research DG of Côte d'Ivoire	CNF/UNA	28 Sptembre 2016	03 persons	Report
Visit of herbarium of IBAAN	CNF/UJLOG/CSRS/IBAAN	11 October 2016	03 persons	Visit report
Consortium / CSRS meeting	CNF/UJLOG/CSRS/IBAAN	20 Octobre 2016	04 persons	Report
Visit of herbarium of CSRS	CNF/UJLOG/CSRS/IBAAN	25 October 2016	06 persons	Photos
Training workshop on biodiversity data collection	UAC	28 Nov-02 Déc 2016	33 persons	www.gbif.org
Cleaning and encoding activities of unmounted samples of the CNF herbarium	CNF	Feb-May 2017	5	Report
Visit of herbarium of UJLOG	CNF, IBAAN, UJLOG	01 March 2017	8	Report
Restitution and training workshop	CNF, IBAAN	28-31 March 2017	50	Report
Training mission in a reference herbarium	CNF, UJLOG, CSRS, IBAAN	15 June-15 July	1	Report



Mission on plant biodiversity data collection	CNF, UJLOG, CSRS, IBAAN	15 June-15 July	10	Report
Training workshop on biofloristic data requirements	CNF, UJLOG, CSRS, IBAAN	22 August 2017	24	Report
Training workshop on writing of policy brief and data paper	CNF, UJLOG, CSRS, IBAAN	23-25 August 2017	20	Report
Ordering of teaching materials for the libraries equipment of partners' structures	CNF, UJLOG, CSRS, IBAAN	August 2017	4	www.cnf-ufhb.ci
Biodiversity informatics and concept of node manager	IBAAN	16 January 2018	52	Report
Types, Data Capture, cleaning and publication of Biodiversity data	IBAAN	17-20 January 2018	18	Report
Digitalization of Jean Lorougnon Guédé University's herbarium (Daloa)	UJLOG, CNF, IBAAN	12-17 February 2018	10	www.cnf-ufhb.ci , report
Promotion and use of open access data on biodiversity	CNF, UJLOG, CSRS, IBAAN	06 March 2018	33	Report
BID Capacity Enhancement workshop	Cape Town, South Africa	9-13 April 2018	1	www.gbif.org
Establishment of a platform decision-makers and researchers	UJLOG, CNF, IBAAN,	08 May 2018	29	Report
Meeting between the actors of the platform	UJLOG, CNF, IBAAN, CSRS	09 May 2018	25	Report
Compiling of inventories of biodiversity data holders by creating metadata catalogs	IBAAN, CNF, UJLOG, CSRS	05 June 2018	28	Report
Training in the use of website and CNF	IBAAN	06 June 2018	27	Report





database				
Meeting	TANZANIE	7-10 August	1	www.gbif.org
Meeting	Yaounde, CAMEROUN	03-06 September	1	www.gbif.org





4. 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 4.1 'Explanatory Notes'.

Implementation period (maximum 24 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
BID Capacity Enhancement workshop1			X	X																					
6-month progress analysis						X					X							X						X	
Mid-term evaluation & reporting										X	X														
Inventory of structures				X	X	X	X																		
Establishment of partnership							X	X																	
Training with respect to biological/floristic data requirement								X	X																
Platform creation									X	X															
Training and management for the mobilization of data											X														
Drafting of data papers																						X	X	X	
Drafting of policy briefs									X				X							X					
Inventory of available plant species					X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Inventory and digitization of herbarium						X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Creation of the floristic database							X	X	X	X	X	X	X	X	X	X	X	X	X	X					





Evaluation period (maximum 6 months, ending 31 December 2018 at the latest)							
Evaluation period start date and end date (dd/mm/yy)	Start date: 1 July 2018; end date: 31 December 2018						
Activity	1	2	3	4	5	6	Notes
Final financial and narrative reporting		X	X				
Posting of the database				X	X	X	

4.1. Explanatory notes:

We haven't make a great change in the program established in our final proposal. But, the publication of the data-papers did not respect the program because we wish a general publication by structure to give a general view of the information held by each structure. In fact, the data processing did not follow. Which did not allow their publication in the period provided.



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5. 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)

To ensure the sustainability of project achievements, several actions have been undertaken during project implementation and will continue beyond its implementation. In fact, during the implementation period, the various training sessions carried out a gradual transfer of the skills acquired during the various training courses and missions in order to perpetuate the sustainability of this knowledge. The data collected could be the subject of internships and dissertations for students within these different structures in order to promote them through articles and other popular documents.

Also, each member of the consortium will own the project activities through their activity program. In addition, they will also be able to create budget lines to generate funds for external services. Also, the consortium will seek additional funding by submitting projects to different donors and develop partnerships (external and internal). Similarly, the consortium could accept donations and create partnerships with different ministries and technical and financial partners.

Finally, collaboration between research institutes and policies will be further strengthened by their contribution and involvement during project implementation

6. Beneficiaries/affiliated entities and other cooperation

6.1. Relationship with project partners

All the project partners (CNF, CSRS, UJLOG, IBAAN) contribute actively to the achievement of the project's objectives. Thus, for all scheduled activities, the leader of each partner structure is informed, through letter, call, mails or SMS to take the appropriate action. The visit to the partner UJLOG, IBAAN and CSRS allowed the partner to familiarize with the realities of these structures and to discuss the different activities of the project.

6.2. Links to other projects and actions

The coordinators of two GBIF projects in Côte d'Ivoire, regularly, exchange in order to mutualise their effort to succeed in both projects. The project BID national Côte d'Ivoire (BID-AF2015-0025-NAC) participated in a capacity building workshop of the regional project (BID-AF2015-0066-REG). Also, collaborations have been established with the Benin node manager to support us in our efforts to set up the node in Côte d'Ivoire. The same consortium submitted and obtained a project entitled "Modernization and capacity building of herbaria of Côte d'Ivoire" under the project SEP2D, AAP4-43

7. Visibility

Please refer to the [BID guidelines](#).

7.1. Visibility of the BID project

Short summary

The website of the CNF has been created and it is functioning. Therefore, the different activities are available on the site.

Sources of verification

www.cnf-ufhb.ci



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7.2. Visibility of the EU contribution

Short summary

For all activities undertaken, references to donors (EU) are made through their logo and effigies.

Sources of verification

Logo, flyers, banderols

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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: _____



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