Data use to inform decisions on biodiversity conservation and public health in Benin

Programme: BID
Project ID: BID-AF2020-083-USE
Project lead organization: University of Abomey-Calavi, Faculty of Agricultural Sciences
Project implementation period: 1/4/2021 - 31/3/2023
Report approved: 4/3/2022

Narrative Midterm report

Executive Summary

The second workshop was held on 30th November and 1st December 2021. The report is herein attached

The monitoring and evaluation of the project are assured with respect to the progress in achieving of the workflow of the project

With respect to the updated workflow of the project (herein attached), the first two components (data needs and data sources) are achieved. We are in the phase of data analysis so that the data products can be presented soon to the end users (decisions makers) for their evaluation

We also publish 18 datasets (see attachment) for a total of 49,244 occurrence data out of the 100,000 occurrences planned in the framework of the project

Progress against milestones

Has your project published at least one dataset through GBIF.org?: Yes

Dataset published:

Dataset	DOI
Census of avian richness of the Parc du W Bénin (First part)	https://doi.org/10.15468/4wtpbd
Census of avian richness of the Parc du W Bénin (Second part)	https://doi.org/10.15468/hkdk5y
Census of avian richness of the Parc du W Bénin (Third part)	https://doi.org/10.15468/ta8b3w
Census of avian richness of the Parc du W Bénin (Fourth part)	https://doi.org/10.15468/4wdnkc
census of plant species from sacred forests of south-Benin in 2013	https://doi.org/10.15468/ne6cqc

Has at least one member of your project team received certification following the BID capacity enhancement workshop?: No

Rationale: Dr. Koura Kourouma

Report on Activities

According to the initial planning presented in the project document and the updated workflow, we are regularly progressing towards the achievement of the activities of the project

Completed activities

Activity: Activity 1.4: Assess available data and potential biodiversity data holdings

Description: After the meetings we held to identify research products needs to support decisions and, related data needs, students received their research topics. Under the instructions of their respective supervisors, they downloaded data on GBIF portal and complemented them with additional data from data holdings. Yet, they are treating and analyzing their data so as to provide data products to inform decisions. This will be achieved through their theses defenses and presentations of the research results to end users for their appreciation and evaluation
Start Date - End Date: 1/7/2021 - 31/3/2023
Verification Sources: Activity still in progress, at completion, reports on the research results obtained

Activity: Activity 2.1: Digitize and publish cleaned up data from data holdings and other sources

Description: With respect to the plan of the project, we published 18 datasets of a total of 49,244 occurrence data. We are still in progress
Start Date - End Date: 1/9/2021 - 31/3/2023
Verification Sources: The dois of the datasets published are presented above

Activity: Activity 2.3: Organize 3 workshops to train stakeholders in data mobilization and data management

Description: On 30 November and 1st December 2021, we held a workshop to train stakeholders in data mobilization and data cleaning. The report is herein attached
Start Date - End Date: 1/6/2021 - 31/10/2022
Verification Sources: Report of the workshop

Report on Deliverables

Deliverables progress summary

Eighteen occurrence datasets have been published of GBIF site for a total of 49,244 occurrences data

On 30th November and 1st December 2021, we held a workshop to train national partners in data mobilization, data cleaning, data publishing, and data use. Please, see the report herein attached

Progress towards deliverables

Deliverables - Project planning phase

Available data and potential biodiversity data holdings are clearly identified and reported

Description: From the research topics designed to provide research products to inform decisions, GBIF data were downloaded, the gap of data was identified, and the data holdings where to collect data to fill the gaps were identified. Data collections are achieved for the first cohort of research works.

% complete: 70%

Status update: The research products will be presented to end-users when the students and their supervisors achieve data treatments and analysis. The products will be evaluated for their fitness for use by end-users. From their feedback, the second cohort of students will be attributed research topics to fill possible research products gaps

Sources of verification: Report herein attached

Deliverables - Project data mobilization phase

Reforestation forest plant species of Benin

Dataset type: Occurrences
Dataset scope: Various forest and agroforest species of Benin
Number of records: 24,062
Data holder: Direction Générale, des Eaux, Forêts et Chasse, Laboratory of Forest Sciences, Laboratory of Applied Ecology,
Data host institution: GBIF
% complete: 80%
Status update: It remains about 6,000 data to be published
DOI: https://doi.org/10.15468/bra4ur; https://doi.org/10.15468/cxxgt3; https://doi.org/10.15468/cncdns; https://doi.org/10.15468/khhx6g; https://doi.org/10.15468/qdkw92; https://doi.org/10.15468/erbswh; https://doi.org/10.15468/ne6cqc; https://doi.org/10.15468
Expected date of publication:

Occurrence data of vectors of neglected vector-borne tropical diseases

Dataset type: Occurrences
Dataset scope: Occurrences of neglected tropical disease vectors identified during medical consultations at Mènontin Hospital
Number of records: 6,488
Data holder: Hôpital Menontin
Data host institution: GBIF
% complete: 13%
Status update: Need of more effort to publish about 37,000 occurrence records
DOI: https://doi.org/10.15468/7kymun; https://doi.org/10.15468/d2q8f6; https://doi.org/10.15468/npau6r
Expected date of publication:

Checklist of animal species from the fauna reserves of Benin

Dataset type: Occurrences
Dataset scope: Census of avian richness of the W Parc of Benin
Number of records: 18,694
Data holder: Centre National de Gestion des Réserves de Faune (CENAGREF)
Data host institution: GBIF
% complete: 93%
Status update: On the deliverables of the animal occurrence data, we still have about 2000 occurrence records to be published
DOI: https://doi.org/10.15468/4wtpbd; https://doi.org/10.15468/hkdk5y; https://doi.org/10.15468/ta8b3w; https://doi.org/10.15468/4wdnkc
Expected date of publication:

Deliverables - Project evaluation phase

Project partners are capacitated in data digitization, data formatting, data cleaning, and data publishing

Description: A workshop was organized on 30th November and 1st December 2021 to train national partners on data mobilization, data cleaning, data publishing, and data use to inform decision on biodiversity conservation
% complete: 60%
Status update: Other workshops will take place on capacity building, research products presentation to end-users, and their evaluation for possible refinement
Sources of verification: Report in attachement

Communications and visibility

The 18 datasets are published on GBIF site and their links are provided above in adequate sections. The details on datasets are provided in the attachment

The report of the workshop is herein attached

As soon as data products are available, we will organize a workshop to present the research products to end-users

Monitoring and evaluation

Monitoring and evaluation findings

This project is progressing with satisfaction, indeed:

1) The decisions, the end-users were willing to support are already identified;
2) The data needs are defined;
3) data are being mobilized up to already about 50% of the amount planned to be mobilized and published on GBIF site;
4) Research topics with respect to information needs to support decisions are defined;
5) Students contributed to data mobilization and are actually in the phase of data treatment and analysis to provide research products to support decisions;
6) Once the students are ready in the coming three months, a workshop will be organized to present their results to end-users who will evaluate their fitness for use;
7) From the feedback of end-users, the second cohort of students will receive their topics to fill the eventual gaps identified by end-users.
8) We receive adequate follow up from GBIF secretariat and the project contractor

9) We already received the first two installments of the funds allocated to the project for a total of 31,611.60 €

Impact of COVID-19 pandemic on project implementation

COVID-19 has up to now, no impact on the implementation of the project

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