

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

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**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 Early Progress 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

### Planning phase - User(s) consultation outcome(s)

#### Defining Data User Needs

#### Defining Data Needs

#### Planning Phase Outcomes

#### Report on Activities

## Activity progress summary

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

### Progress on 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/khxx6g>; <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 Mènonin 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 attachment

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GBIF leads the Biodiversity Information for Development (BID), a programme funded by the European Union. The programme provides supplementary support for activities addressing the needs of regional researchers and policymakers through mobilization and use of biodiversity data.

