

Species of the plant communities of dry forest in the Colombia tropical Caribbean

Programme:BID

Project ID: BID-CA2020-024-INS

Project lead organization:Fundación Desarrollo y Ambiente

Project implementation period:1/7/2021 - 30/6/2023

Report approved: 6/7/2022

Narrative Midterm report

Executive Summary

The project achievements are summarized in demonstrating its ability to compile, from the information sources with the due citation, the sampling-events (plots), with their occurrences of species, for each vegetation types, at the plant communities level, for the dry forest in the Colombian tropical Caribbean.

The monitoring and evaluation of project progress is carried out through two control tables:

- 1) One for each information source where we can see the status of each activity and deliverable.
- 2) Another for each activity and deliverable where we can see the progress by months with respect to end date.

Taking into account the objectives and resources, it is confirmed that the development of the project is correct, particularly with respect to the activities and deliverables. The delay presented in these, as explained in this mid-term report, can be compensated with the extension of each end data, within the date of project ending for 2023-06-30.

Progress against milestones

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

Dataset published:

Dataset	DOI

Has at least one member of your project team received certification following the BID capacity enhancement workshop?: Yes

Name of the workshop participant:Biodiversity Data Mobilization Course

Certification obtained: Advanced Badge

Report on Activities

Activity progress summary

The project is being carried out within the approved proposal. Activity delays do not impact the project if end date changes to 2023-06-30, when all the projects of BID-CA2020 grants must be finished.

Activity progress summary:

The Biodiversity Data Mobilization Course was taken and the Advanced Badge certification was obtained.

- Types of plant communities, Checklist

Characterization and classification of vegetation types is being transcribed and arranged in tables from each of the sources used. Activity has delay because some of the information sources present inconsistencies and sometimes errors in the vegetation classification proposed in them, particularly when compared within each source: summary, text results, composition and locality tables, and end discussion. In addition, this activity has required more work than expected to coordinate the types of tropical Caribbean dry forest in Colombia, with the FUNDA database of vegetation types, to avoid synonyms and homonyms, and thus be able to assign a unified identifier of the vegetation type.

Progress 60%. End date adjusted 2022-11-30.

- Plots and their location, Sampling-Event

The data was already captured through the transcription of the tables of both floristic composition and Sampling-Event location (plots). Quality control of these data is being done. There is a delay because of verifying both 1) the transcript of the value of the occurrence in each plot; as 2) the geographical coordinates of each plot, due to georeferencing problems of many places where it is located, which must be corrected.

The integration of two previous table classes was started, in a single composition and location table, from which the Plots and their location table was started, with its respective event identifier.

Progress 40%. End date adjusted 2023-02-28.

- Species of the plots of plant communities, Occurrences

This activity is also done from the composition and locality table, or integration already indicated, from which a table in list form is obtained, where each specie and their intensity per plot are shown, which It is complemented with the taxonomy hierarchy of the species, the occurrence identifier and other fields, to obtain the Species of the plots of plant communities, Occurrences.

Although this activity is done according to the proposal, it presents a delay because it depends on the previous two.

Progress 50%. End date adjusted 2023-03-31.

- Midterm Report

This activity corresponds to this report and its execution date is in accordance with the proposal.

- Publication

The first data publication is made together with this Midterm Report. The final publication, due to delay of indicated activities, will be made on adjusted end date 2023-04-30.

- Virtual training workshop for Colombia Caribbean

This activity is maintained according to the proposal, however, due to delay of indicated activities, it will be carried out on adjusted end date 2023-05-31.

- Final Report

Consistent with what has been said, the Final report must be adjusted for the end date: 2023-06-30.

Completed activities

Activity: BID Workshop

Description: Participation in the BID Capacity enhancement Workshop.

Start Date - End Date: 1/7/2021 - 30/9/2021

Verification Sources: Biodiversity Data Mobilization, Advanced Badge:

[https://openbadgefactory.com/c/receive?](https://openbadgefactory.com/c/receive?k=R8KNLXaP4BaCLB&e=jaibeha%40yahoo.com&t=b0510823d3170a010dcb2be82df6acb771a2165f&v=2.0)

[k=R8KNLXaP4BaCLB&e=jaibeha%40yahoo.com&t=b0510823d3170a010dcb2be82df6acb771a2165f&v=2.0](https://openbadgefactory.com/c/receive?k=R8KNLXaP4BaCLB&e=jaibeha%40yahoo.com&t=b0510823d3170a010dcb2be82df6acb771a2165f&v=2.0)

<https://openbadgefactory.com/v1/assertion/b0510823d3170a010dcb2be82df6acb771a2165f>

Activity: Midterm Report

Description: Preparation of Midterm Report.

Start Date - End Date: 1/4/2022 - 31/5/2022

Verification Sources: The verification sources is this report

Report on Deliverables

Deliverables progress summary

Project deliverables are performed within the structure of project proposal.

In the same way as in activities, for deliverables, their delay does not impact the project, only the end date of each missing deliverable, as long as project ending is changed to 2023-06-30, when all the projects of BID-CA2020 grants must be finished.

Delays presented in deliverables have one-to-one relationship with the activities, already presented, for this reason we do not repeat what was said, we only present what is strictly related to deliverables.

- BID Workshop: The Biodiversity Data Mobilization Course was completed and the Advanced Badge certification was obtained.

[https://openbadgepassport.com/app/badge/receive/433394?](https://openbadgepassport.com/app/badge/receive/433394?banner=7f62c7d3951bd8b417195eb1088cb10200d6b0a9baf7d8013546b0329d78d011.png)

[banner=7f62c7d3951bd8b417195eb1088cb10200d6b0a9baf7d8013546b0329d78d011.png](https://openbadgepassport.com/app/badge/receive/433394?banner=7f62c7d3951bd8b417195eb1088cb10200d6b0a9baf7d8013546b0329d78d011.png)

- Types of plant communities, Checklist

This deliverable progresses according to project proposal. At the end it will be approximate # of Records: 75. However, it is delayed due to the reasons mentioned in its respective activity.

Progress 60%. End date adjusted 2022-11-30.

- Plots and their location, Sampling-Event

This deliverable progresses according to project proposal. At the end it will be approximate # of Records: 300. However, it is delayed due to the reasons mentioned in its respective activity.

Progress 40%. End date adjusted 2023-02-28.

- Species of the plots of plant communities, Occurrences

This deliverable progresses according to project proposal. At the end it will be approximate # of Records: 7000. However, it is delayed due to the reasons mentioned in its respective activity.

Progress 50%. End date adjusted 2023-03-31

- Midterm Report

This deliverable corresponds to this report and its end date is according to project proposal.

- Publication

For this Midterm Report, it is fulfilled to deliver a representative data set of entire project through:

GBIF: <https://www.gbif.org/dataset/ffb1fe93-b1e9-4a16-8948-9cdf6bf7860e>

<https://ipt.gbif.org/resource?r=127zapatosforests>

SiB: <https://ipt.biodiversidad.co/sib/resource?r=127zapatosforests>

DOI: <https://doi.org/10.15472/I029qu>

Consistent with what was said in activities, the final publication is changed to adjusted end date 2023-04-30.

- Virtual training workshop for Colombia Caribbean

This deliverable is accordance with project proposal. However, according to what was said in the activities, the end date is adjusted to: 2023-05-31.

- Final report

This deliverable is accordance with project proposal. However, according to what was said in the activities, the end date is adjusted to: 2023-06-30.

Progress towards deliverables

Dataset deliverables

Types of plant communities

Dataset type: Checklist

Dataset scope: List of plant communities, with sin-taxonomic or similar names, of dry forest in the Colombia tropical Caribbean, with author and year of characterization.

Number of records: 75

Data holder: Fundación Desarrollo y Ambiente FUNDA

Data host institution: GBIF data publisher, and Fundación Desarrollo y Ambiente FUNDA

% complete: 60%

Status update: Characterization and classification of vegetation types is being transcribed and arranged in tables from each of the sources used. Deliverable has delay because some of the information sources present inconsistencies and sometimes errors in the vegetation classification proposed in them, particularly when compared within each source: summary, text results, composition and locality tables, and end discussion. In addition, this deliverable has required more work than expected to coordinate the types of tropical Caribbean dry forest in Colombia, with the FUNDA database of vegetation types, to avoid synonyms and homonyms, and thus be able to assign a unified identifier of the vegetation type.

DOI:

Expected date of publication: 2023-04-30

Plots and their location

Dataset type: Sampling Event

Dataset scope: Plots of the previous plant communities types, with their location according to exact or estimated geographic coordinates; as well as the exact date or year in which the plot was made, otherwise, the source publication year from which the information was obtained is presented.

Number of records: 300

Data holder: Fundación Desarrollo y Ambiente FUNDA

Data host institution: GBIF data publisher, and Fundación Desarrollo y Ambiente FUNDA

% complete: 40%

Status update: The data was already captured through the transcription of the tables of both floristic composition and Sampling-Event location (plots). Quality control of these data is being done. There is a delay because of verifying both 1) the transcript of the value of the occurrence in each plot; as 2) the geographical coordinates of each plot, due to georeferencing problems of many places where it is located, which must be corrected. The integration of two previous table classes was started, in a single composition and location table, from which the Plots and their location table was started, with its respective event identifier.

DOI:

Expected date of publication: 2023-04-30

Species of the plots of plant communities

Dataset type: Occurrences

Dataset scope: Occurrences of plant species in plant communities plots of the dry forest in the tropical Caribbean of Colombia.

Number of records: 7,000

Data holder: Fundación Desarrollo y Ambiente FUNDA

Data host institution: GBIF data publisher, and Fundación Desarrollo y Ambiente FUNDA

% complete: 50%

Status update: This deliverable is also done from the composition and locality table, or integration already indicated, from which a table in list form is obtained, where each specie and their intensity per plot are shown, which It is complemented with the taxonomy hierarchy of the species, the occurrence identifier and other fields, to obtain the Species of the plots of plant communities, Occurrences. Although this deliverable is done according to the proposal, it presents a delay because it depends on the previous two.

DOI:

Expected date of publication: 2023-04-30

Other deliverables

BID Workshop

Description: Deliverables required by BID Capacity enhancement Workshop

% complete: 100%

Status update: Finished

Sources of verification: Biodiversity Data Mobilization, Advanced Badge

[https://openbadgefory.com/c/receive?](https://openbadgefory.com/c/receive?k=R8KNLXaP4BaCLB&e=jaibeha%40yahoo.com&t=b0510823d3170a010dcb2be82df6acb771a2165f&v=2.0)

[k=R8KNLXaP4BaCLB&e=jaibeha%40yahoo.com&t=b0510823d3170a010dcb2be82df6acb771a2165f&v=2.0](https://openbadgefory.com/v1/assertion/b0510823d3170a010dcb2be82df6acb771a2165f)

<https://openbadgefory.com/v1/assertion/b0510823d3170a010dcb2be82df6acb771a2165f>

Midterm Report

Description: Midterm Report, Publication of one dataset through GBIF.org, and attendance of a project team member at BID Capacity Enhancement Workshop.

% complete: 100%

Status update: Finished

Sources of verification: The verification sources is this report

Communications and visibility

According to project proposal, the results are shared with project stakeholders and GBIF community as follows:

1) It is ratified that after project implementation, an article about project datasets will be submitted in GBIF network that publishes data.

2) FUNDA after the mid-term report is approved:

- Disseminate among different project stakeholders the link to data published through GBIF.org, as well as its relationship with the first version of the Natural Vegetation Map of Colombia that FUNDA is preparing, and its implications for an official national map.
- It will add to the project webpage on GBIF.org, related links found in ResearchGate and YouTube.

3) FUNDA submitted III Symposium on Vegetation Ecology to Organizing Committee of XI Colombian Congress of Botany in November 2022. Response of approval or not of Symposium is awaited.

Monitoring and evaluation

Monitoring and evaluation findings

SHORT TERM

Taking into account the objectives, resources and the mid-term report, it is confirmed that the development of the project is correct, particularly with respect to the activities and deliverables. The delay presented in these, as explained, can be compensated with the extension of each end data, within the date of project ending for 2023-06-30. According to the project proposal, it is evaluated that:

1) In order to integrate the data structure of this vegetation project into the Darwin-Core, we worked intensely and closely with Mr. Leonardo Buitrago of BID Regional Project Support Team, and through him with Alexander von Humboldt Biological Resources Research Institute, IAvH, node of GBIF Colombia. The essence of this integration is a solution that allows showing the classification of events, plots, with a vegetation approach. FUNDA considers that the solution is good, however it is possible that it can be optimized, so it requests specialized guidance from GBIF. This may in the future help to solve any classification of Sampling-Events.

2) As it is in the project proposal, the Virtual training workshop for Colombia Caribbean will take place after the Midterm report.

MEDIUM AND LONG TERM

As it is in the project proposal, the monitoring and evaluation of medium and long term will be done after the project ends, at 3 and 12 months respectively.

Impact of COVID-19 pandemic on project implementation

The impact of the COVID-19 pandemic on the project implementation and suggested changes are:

The project is mainly carried out virtually with good relations between the researchers, however the difficulty of gathering the working group in one place affects the technical communication between

people, which delays the efficiency and integration of activities and deliverables.

There is difficulty in direct access to physical documents in libraries, which cannot be accessed in any other way, such as university degree theses.

The computer purchase is delayed due to increase in its price, the difficulty of evaluating the quality of its parts in person at the stores and due to delivery time.

This affects the development of activities and deliverables, so it is necessary to adjust the project ending date to 2023-06-30.

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.

