

# OCCURRENCE DATA PACKAGE OF DECOMPOSERS DIPTERANS -APPLYING THEIR DIVERSITY IN FORENSIC, CONSERVATION, AND SANITARY ASPECTS

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**Programme:** BID

**Project ID:** BID-CA2020-056-INS

**Project lead organization:** Tecnológico de Antioquia

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

**Report approved:** 30/3/2023

## Narrative Midterm report

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### Executive Summary

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The project has progressed satisfactorily, having already submitted the commitment of the first data set. For this process, the SIB Colombia held several advisory meetings to better structure the data flow to better visualize the collection as an information management entity. More data packages were published.

Meetings were held with two of the Partners to review their data set. The Bolivian Partner data set was reviewed, and now they are being filtered. Argentina partner data sets are not complete; the researcher is just collecting the specimens, next semester a meeting is scheduled to see their progress and/or define an alternative to fulfill their commitment.

Material from the collection continues to be selected, its assembly is carried out, and its metadata is consolidated for the subsequent publication. The training course to be taught, it was defined to do a presentational course, tentative dates are between 18th and 21th October 2022.

The hiring of personnel has been carried out from the item destined for it; however, the contract was made for two people instead of one, given the limitation in the time available for this work since the designated person initially began to carry out studies of professional. More staff will be hired; Colombian government lifted the COVID restrictions, so it is possible to have more staff working actively.

Principal researcher health consequences prevented uploading the course data to reach the milestone; she could not delegate this process, no more team members attended the course. However, a team member previously trained through the lessons given by the SIB of Colombia and another course given by GBIF projects in Argentina collaborated with this process and thus corrected this debt as soon as possible.

### Progress against milestones

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

**Dataset published:**

Dataset	DOI
Colección Entomológica del Tecnológico de Antioquia (CETdeA) - Calliphoridae	<a href="https://doi.org/10.15472/o1akfx">https://doi.org/10.15472/o1akfx</a>
Colección Entomológica del Tecnológico de Antioquia (CETdeA) - Sarcophagidae	<a href="https://doi.org/10.15472/qqcjmd">https://doi.org/10.15472/qqcjmd</a>
Colección Entomológica del Tecnológico de Antioquia (CETdeA) - Fanniidae	<a href="https://doi.org/10.15472/aguocs">https://doi.org/10.15472/aguocs</a>
Colección Entomológica del Tecnológico de Antioquia (CETdeA) - Muscidae	<a href="https://doi.org/10.15472/xg9pd6">https://doi.org/10.15472/xg9pd6</a>
Colección Entomológica del Tecnológico de Antioquia (CETdeA) – Mesembrinellidae	<a href="https://doi.org/10.15472/nw7xgo">https://doi.org/10.15472/nw7xgo</a>

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

**Rationale:** New: the worksheets were attached to acquire the milestone, however I have had problems with the publication.

1. I did not have a valid password for the IPT
2. IPT did not allow uploading the darwincore.

I re-verified on the GBIF platform. The package could be created but the data does not upload. Tomorrow I will meet with Leonardo Buitrago for advice, to see if it is possible to solve the problem.

## Report on Activities

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### Activity progress summary

Taxonomic identification: It is a continuous and expensive process that has demanded more time than planned. Other collaborators are being trained to advance more quickly in the process and more staff will be hired to help in this work.

### Completed activities

#### Activity: Selection of samples

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**Description:** Organize samples to process  
**Start Date - End Date:** 1/7/2021 - 20/11/2021  
**Verification Sources:** data set

#### Activity: workflow establishment

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**Description:** Establish the step by step of the processes to follow  
**Start Date - End Date:** 11/8/2021 - 10/11/2022  
**Verification Sources:** Drawflow  
work protocol

## Report on Deliverables

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### Deliverables progress summary

Dataset Title: Flies from the TdeA entomological collection in progress  
The Bolivian Partner data set was reviewed, and now they are being filtered. Argentina partner data sets are not complete; the researcher is just collecting the specimens. Next semester a meeting is scheduled to see their progress and/or define an alternative to fulfill their commitment.  
The research group is managing permits, given that the researchers will carry out some academic activities in countries with partners. This aspect will be used to schedule face-to-face contact with the partners and thus help more closely with data management.

Data article published: in progress

Course importance of the publication of occurrence records : scheduled for the next semester (October)

### Progress towards deliverables

#### Dataset deliverables

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##### Flies from the TdeA entomological collection

**Dataset type:** Occurrences

**Dataset scope:** 10082 samples of Sarcophagidae, Muscidae, Fannidae from Amazonian, Orinoquia, Caribbean , pacific and Andean region of Colombia

**Number of records:** 10,082

**Data holder:** CETdeA

**Data host institution:** CETdeA

**% complete:** 30%

**Status update:** <https://doi.org/10.15472/xg9pd6> <https://doi.org/10.15472/aguocs>

<https://doi.org/10.15472/qqcjmd>

**DOI:** <https://doi.org/10.15472/xg9pd6> <https://doi.org/10.15472/aguocs> <https://doi.org/10.15472/qqcjmd>

**Expected date of publication:**

## Other deliverables

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## Communications and visibility

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The data have been used to build models of exotic species and unusual patterns for phylogenetic and neotropical biodiversity studies. Once a greater number of data will be available, these will be shared with researchers belonging to the Latin American network of forensic entomology. In addition to the publication where reference will be made to these data and possibilities of use

## Monitoring and evaluation

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### Monitoring and evaluation findings

The health problems added to the principal researcher's high academic and administrative burden due to the accumulation of tasks once he left the incapacity prevented him from fulfilling these duties. The principal investigator is carrying out a sick leave procedure to minimize her workload and to have more time for project compromises.

The research group is managing permits, given that the researchers will carry out some academic activities in countries with partners. This aspect will be used to schedule face-to-face contact with the partners and thus help more closely with data management. The trip to Mexico will be planned once the partner's time availability is determined.

Every month a meeting is held to review the progress of the project and aspects to be improved, likewise every week the research group has administrative meetings and in the event that there is an issue related to the project, it is addressed to provide a solution.

## Impact of COVID-19 pandemic on project implementation

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Last year some administrative processes slowed down, it was decided to hold the training event at the end of next semester.

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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.

