

# **Informe de Progreso Técnico y Financiero**

## *Donaciones para la Digitalización de Datos Red Temática de Especies*



*Preparado por:*

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## **1. Resumen Ejecutivo**

This project began with the hiring of an entomology student from the Universidad Nacional de Panamá on August 4, 2009. Originally, it was hoped to obtain someone to work on this project full-time. Unfortunately, we were only able to find someone with the necessary skills and willing to work for the amount of money available for 20 and 30 hours per week. Non-the-less, the student has made excellent progress.

In total, we have identified 6620 insect species known to exist in the Republic of Panama (with 1523 synonyms). For each species we have attempted to list the currently accepted name plus known synonyms as well as all references citing that species.

The project is primarily limited by the small amount of scientific literature listing insect species in Panama. STRI has not been able to provide the promised insect images due to delays beyond STRI's control. The production of these photos has just begun and the promised quantity of photos will be available by the end of March at the latest. Work on the guide of Panamanian bees has not yet begun due to work conflicts with the researcher involved. Work on this project to begin in February.

Este proyecto se inició con la contratación de una estudiante de la Universidad de Panamá el 4 de agosto, 2009. Originalmente se esperaba conseguir a alguien para trabajar en este proyecto tiempo completo. Desafortunadamente, solamente se pudo conseguir a alguien con las necesarias habilidades y disponibilidad para trabajar con el dinero disponible entre 20 y 30 horas por semana. Sin embargo, la estudiante ha hecho excelente progreso.

En total se ha identificado 6620 especies de insectos conocidos para Panamá (con 1523 sinónimos). Para cada especie se ha esforzado en proveer el nombre aceptado actualmente más los sinónimos conocidos, además de las referencias citando esa especie.

El proyecto se encuentra limitado principalmente por la baja cantidad de publicaciones sobre insectos de Panamá. STRI no ha podido producir las fotos prometidas debido a problemas fuera de su control. La producción de las fotos acaba de comenzar y las fotos estarán disponibles para el final de marzo al más tardar. No se ha comenzado trabajando con la guía sobre abejas de Panamá debido a conflictos en el trabajo del investigador involucrado. Se iniciará el trabajo en febrero.

## **2. Resultados de los productos programados y alcances del proyecto**

- (i) We have produced a list of 6620 valid names (and additional 1523 synonyms) which include: order, family, sub-family, tribe, genus, species, sub-species, authority and references (not all taxonomic levels available for all names).

(ii) Work to photograph insects was begun on Jan 15, 2010. All specimen collection information has been digitized and data based.

(iii) Work on the bee guide to begin in March (Unforeseen scheduling conflicts with the scientist involved, this part of the project has been delayed by 3 months.)

(iv) Work on the 250 insect life-history descriptions to begin in March (Please note that this activity was always programmed for the second half of the project)

The data from (i) will be made available on the web according to IABIN policies within 30 days of this report. Photos and metadata from (ii) will begin to be available at the same time. The full quota of photos for this reporting period will be available no later than March 31, 2010.

### **3. Metodología empleada y actividades llevadas a cabo para alcanzar los productos programados.**

An entomology student from the Universidad Nacional de Panamá was hired to work 20 to 30 hours per week. Working from published reference materials and from species lists held by the Smithsonian Tropical Research Institute (STRI) and its researchers, a list of insect species of Panama is being developed. All names are checked against recent publications to assure that the most recent name is used for each taxa. Synonyms are recorded and linked to accepted names. Citation references for each taxa are recorded.

STRI has digitized over 60,000 specimens in its synoptic insect collection. Three students have been hired to photograph this collection with high capacity cameras and lenses. All insects are photographed from at least three perspectives: dorsal, lateral, head. All photos are placed on a single image and are accompanied with a ruler for scale.

Other photos from live specimens that have been identified by experts will also be included in this project.

Information about natural history and distribution of Panamanian insects and tropical bees will be information based on the research and knowledge of STRI scientists and will be transcriptions of existing databases as well as personal knowledge.

### **4. Lecciones aprendidas, problemas y soluciones viables**

Lesson learned:

- i) For the money available you can only hire students and students are rarely able to work full-time.
- ii) When one project depends on the timely execution of another project and that project is delayed, you find yourself unable to meet goals.

- 5. Fondos de Contrapartida (adjunto el Reporte de gastos de contrapartida en tabla de Excel)**
- 6. Reporte Financiero (adjunto el Reporte de gastos en tabla de Excel)**
- 7. Anexos**