

# Digitizing butterflies of Singapore & Peninsular Malaysia

**Contributions to the Butterflies of Southeast Asian Islands Consortium  
Project**



# PROJECT OBJECTIVES

This project aims to:

- Digitize 10,000 butterfly specimens housed in the LKCNHM Entomological collections
- Provide better access to local and regional butterfly species data.
- Includes (1) transcription of label information, (2) georeferencing of obscure localities, (3) mapping of species distributions within the region.



# DATA SOURCES

Butterfly specimens housed in the Lee Kong Chian Natural History Museum Entomological Collection

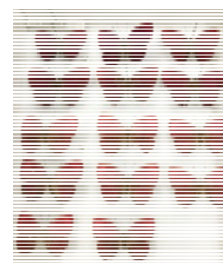


# PROJECT TIMELINE

June 2019 – Apr 2020

Specimen databasing: transcription, georeferencing, imaging to be undertaken concurrently

Pilot project undertaken by museum intern in March – April 2019 has produced a feasible operational workflow.



| Activity  | 2019 |   |   |   |   |   |   |   | 2020 |   |   |   |
|---|------|---|---|---|---|---|---|---|------|---|---|---|
|   | M    | J | J | A | S | O | N | D | J    | F | M | A |
| Activity: Register and upload georeferenced butterfly collection data to GBIF   |      |   |   |   |   |   |   |   |      |   |   |   |
| Mandatory attendance of a project team member to the BIFA Capacity Enhancement Workshop (expenses for attending the workshop are covered by the BIFA programme) |      |   | X |   |   |   |   |   |      |   |   |   |
| Deadline for mid-term report – 31 October 2019  |      |   |   |   |   | X |   |   |      |   |   |   |
| Mandatory milestones attached to the mid-term report:   |      |   |   |   |   |   |   |   |      |   |   |   |
| - Gain certification at BIFA Capacity Enhancement Workshop  |      |   |   |   |   |   |   |   |      |   |   |   |
| - At least one dataset has been published to GBIF.org   |      |   |   |   |   |   |   |   |      |   |   |   |
| Deadline for final reporting – 30 April 2020  |      |   |   |   |   |   |   |   |      |   |   | X |
| Mandatory milestones attached to the final report:  |      |   |   |   |   |   |   |   |      |   |   |   |
| - All deliverables have been produced   |      |   |   |   |   |   |   |   |      |   |   |   |
| - Sustainability and next steps have been documented  |      |   |   |   |   |   |   |   |      |   |   |   |

# PROJECT SUSTAINABILITY

- Current museum's commitment to collection digitization
  - Investing SGD~0.5 million in a digital database to be operational within one year
  - Manpower investment in the form of providing additional part-time hires to help digitize the collection
- Estimated complete digitization of the butterfly collection (~20,000 specimens) will require 2 year's worth of manpower, sustained by support from university labs & museum
- Current project serves as standard for future digitization efforts across the entomological collection and other taxonomic groups
  - Curatorial staff relatively unfamiliar with digitization know-how
  - Sharing of GBIF standard internally to help promote best practices



**THANK YOU!**