

BID-PA2016-0009:
Mobilizing Fiji's macro-moth collection and data to enhance knowledge and encourage protection of Fiji's unique Biodiversity.

WHO?

- **NatureFiji-MareqetiViti (NFMV)**

- local membership based NGO
- local scientists
- conservation and biodiversity
- Local and International partners - Collaboration



South Pacific Regional Herbarium (SPRH)

- holds a big collection of plant specimens with smaller collections of other fauna including insects especially beetles, moths and butterflies.
- activities in this project ensures that all physical specimens are properly managed and all available

WHAT & WHY ?

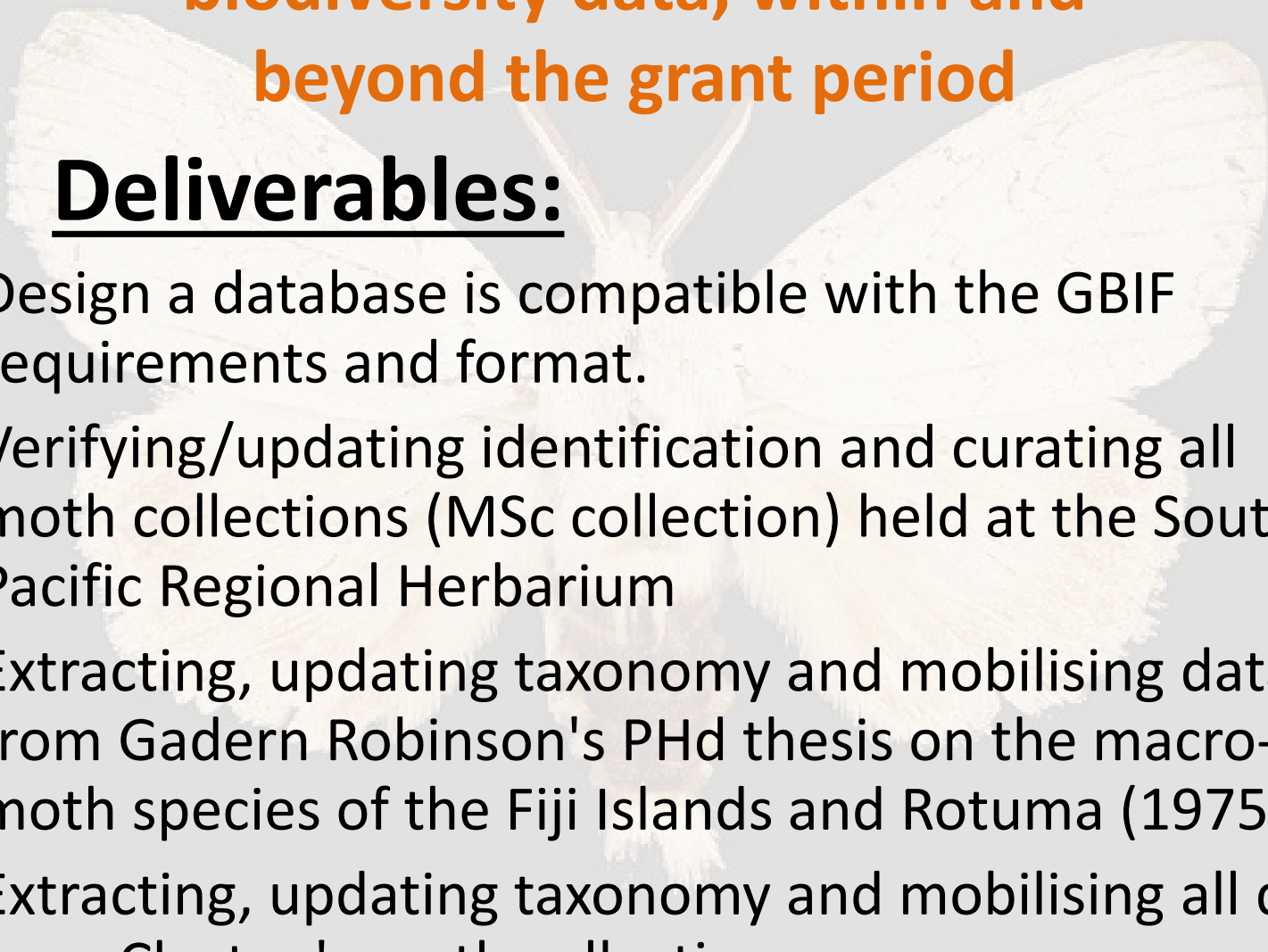


- BID Small grant project : €5,000
(Curating & mobilizing available macro-moth data)
- The IUCN RedList of endangered and threatened species is considered incomplete for Fiji - insufficient data for Fiji's invertebrates.
- This project will be the first step towards the mobilization of Fiji's invertebrate data from books to softcopy and making it available for all resource and data users that may need to use it in the future.
- Within Fiji's NBSAP output (2012 – 2020) – establishing database for biodiversity data to increase access to such valuable data

Data Sources:

At present we have three available data sets that we aim to mobilise.

1. MSc thesis data and specimens (2000+)
 2. Data collected by Gaden Robinson's thesis (1975) who has since died
 3. John Clayton's moth data collected from a number of Islands in Fiji.
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Goal 1: Increase available biodiversity data, within and beyond the grant period

Deliverables:

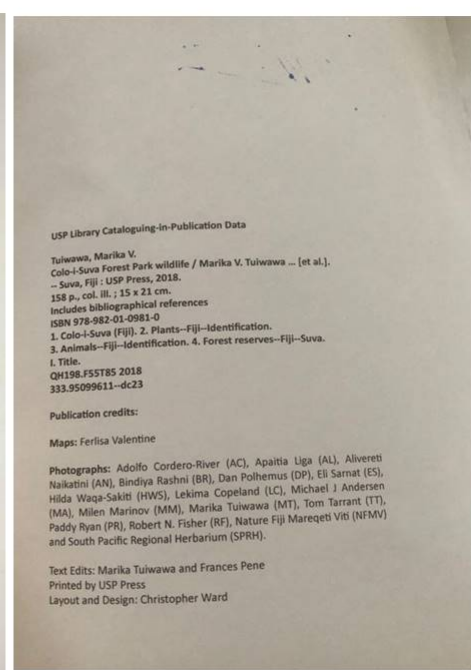
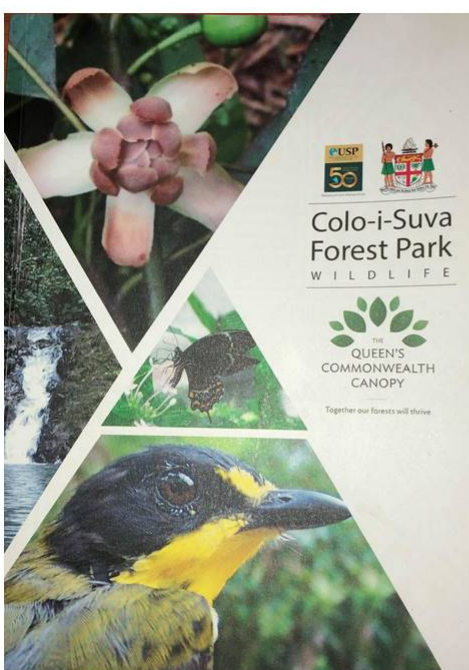
1. Design a database is compatible with the GBIF requirements and format.
2. Verifying/updating identification and curating all moth collections (MSc collection) held at the South Pacific Regional Herbarium
3. Extracting, updating taxonomy and mobilising data from Gader Robinson's PHd thesis on the macro-moth species of the Fiji Islands and Rotuma (1975)
4. Extracting, updating taxonomy and mobilising all data from Clayton's moth collections

GOAL 2:

Apply biodiversity data in response to conservation priorities



- Incorporate moth data into National Biodiversity Strategic Action Plan
- The National Biodiversity Strategic Action Plan is the main guiding document by which Fiji has and will be implementing conservations and priorities concerning its unique biodiversity.
- Its in line with NBSAP actions for species management where they recommend the establishment of a database for biodiversity data in order to increase access to such valuable data (NBSAP – (2011-2020))



Concrete Uses/Users:

- *NBSAP – Updating
- * BioRaps
- *School Bioblitz
- *Field Guides/manuals
- *Student – Research (design and baselines)
- *Learn from the scientists (local community)

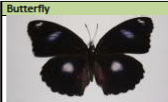








National Biodiversity Strategy and Action Plan for Fiji 2017–2024



Terrestrial and Archaeological Surveys of the Kilaka Forest Conservation Area



Butterfly	Common name	Tally	Where/Comments
 <i>Hypolimnys bolina</i>	Blue moon		
 <i>Euploea tulliolus</i>	Purple crow		
 <i>Danau plexippus</i>	Monarch		
 <i>Junonia villida</i>	Meadow argus		
 <i>Eurema hecabe</i>	Grass yellow		
 <i>*Xois sesara</i>			
 <i>Melanitis leda</i>	Evening brown		

Vinaka

