

# Crowd-sourcing, Public Participation, and Data Enrichment – Using crowd-sourcing tools

Biological Collections Digitisation in the Pacific , Symposium III: March 2014

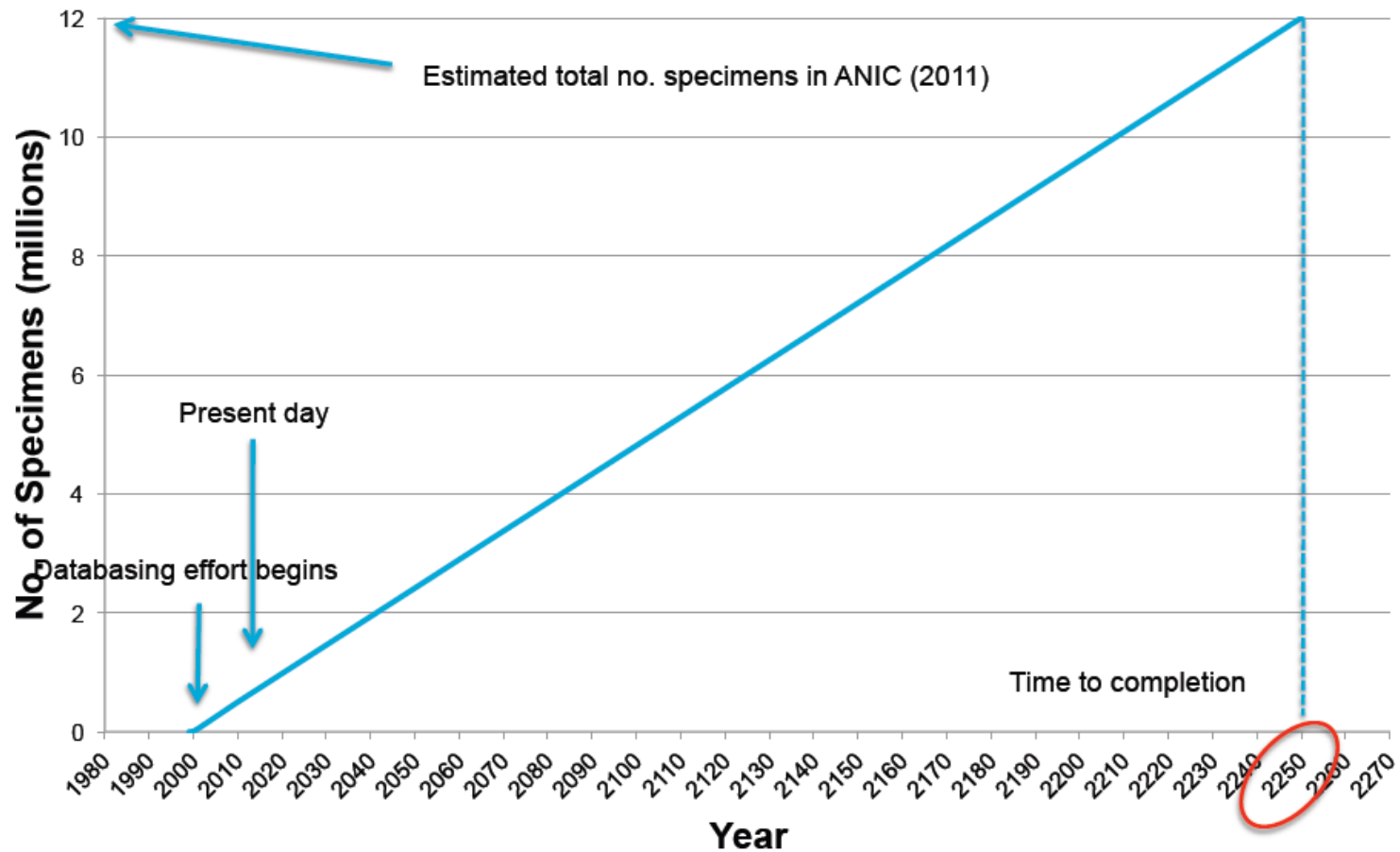
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# Section 1:

## *Introduction - Using a Crowd-sourcing tool in a Collection*

## Section 1 : Introduction - Using a Crowd-sourcing tool in a Collection

### Current rate of digitisation at the ANIC



## Section 1 : Introduction - Using a Crowd-sourcing tool in a Collection

How do we gather database records quickly  
to be used for science now ?



ANIC = 12 million = NOT EVERYTHING is databased !!!

## *Section 1 : Introduction - Using a Crowd-sourcing tool in a Collection*

- You can't manage what you don't know
- Crowdsourcing projects can assist institutions to make their collections more accessible and searchable
- Gain a better understanding of the museum's collections
- Make collections data available for new and exciting uses in research
- Digitised data are useful only if their value is known



*Section 1 : Introduction - Using a Crowd-sourcing tool in a Collection*

✓ Crowdsourcing can help when a collection is not accessible as Collections are digitised and on-line



Major refurbishment of collections



Collection cabinets can move

## Section 2:

# A crowd-sourcing project - Euryglossinae Bee Expedition



## Section 2 : A crowd-sourcing project - Euryglossinae Bee Expedition

- Not much of ANIC specimen label data is capture in a digital format
- A small amount is databased ~ 5%
- So how to go about getting this information ?



ATLAS of LIVING AUSTRALIA  
Sharing biodiversity knowledge

This task has been validated, and is currently read-only. As a validator you may review/edit this task by clicking [here](#).

Biodiversity Volunteer Portal » Expeditions » Plume moths » Transcribe Task Pterophoridae 00-3-3.jpg

**Hexadactilia civilis**

**Specimen Information**  
Institution: ANIC  
Project: ANIC Plume Moths  
Catalogue No.: 31 072022  
Taxa: Hexadactilia civilis  
Copy values from a previous task ?

**1. Verbatim Text** – Record exactly what appears in the labels so we have a searchable reference for them ?  
Hexadactilia civilis  
Toowoomba  
5.3.41  
Ian Common

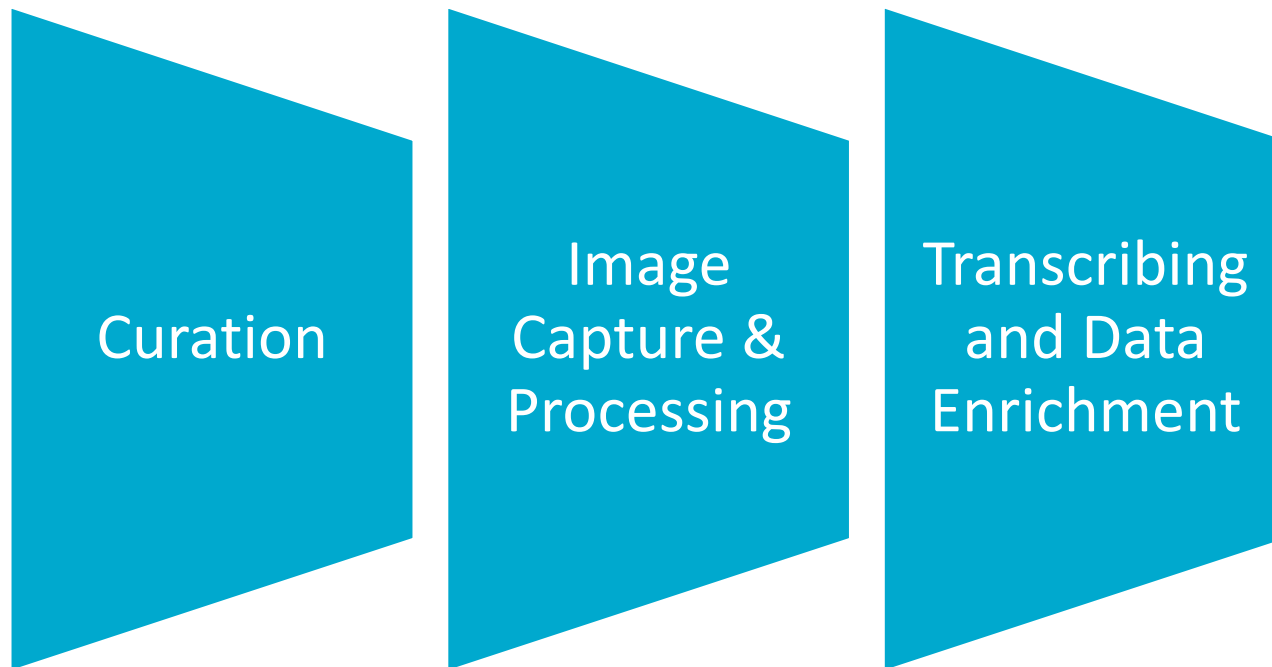
**2. Collection Event** – This records information directly from the label about when, where and by whom the specimen was collected. Only fill in fields for which information appears in the labels. [Shrink](#)

Event Date	1941-03-05	Verbatim Altitude	
Collector	Ian Common	Verbatim Latitude	
Collection Method		Verbatim Longitude	
Verbatim Collection			



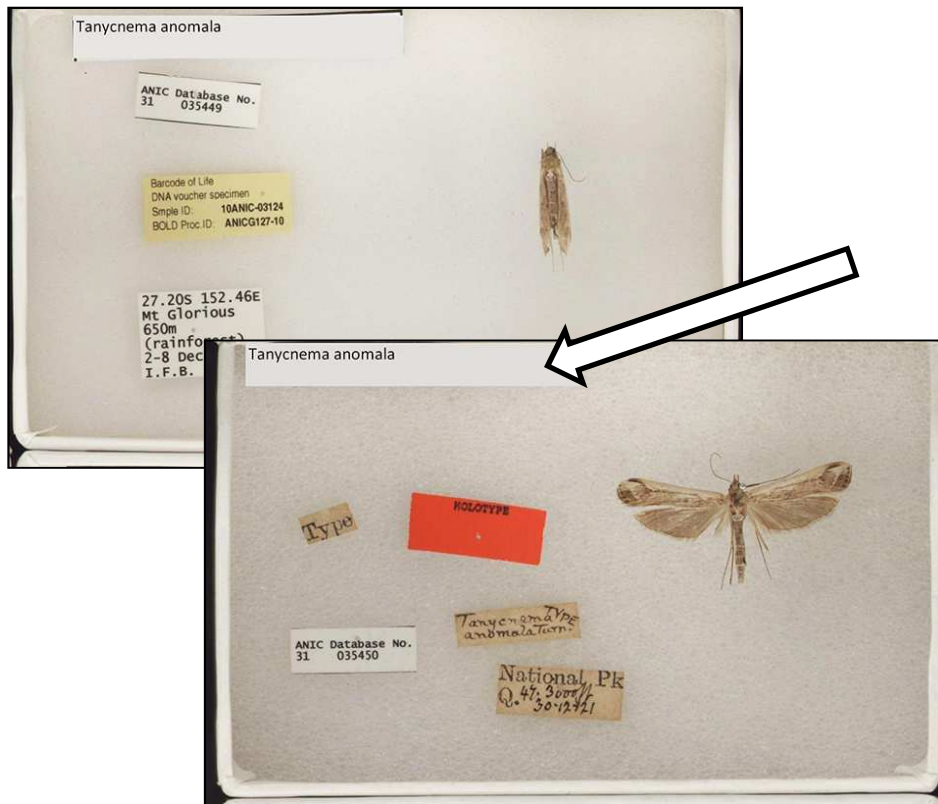
*Section 2 : A crowd-sourcing project - Euryglossinae Bee Expedition*

✓ **Have a workflow in place to manage**



## Section 2 : A crowd-sourcing project - Euryglossinae Bee Expedition

- ✓ Use whole-drawer technology and crowd sourcing techniques



# Section 3:

## Data Enrichment

### Section 3 : Data Enrichment

## Next step – take the data and value add to our research

- ✓ Engage with researchers that depend on collection-based data
- ✓ Deliver online access to specimen data that is integrated with other types of environmental data through provision of enduring data repositories, online tools and portals



### Section 3 : Data Enrichment

- On the ALA website we can access the data from each project

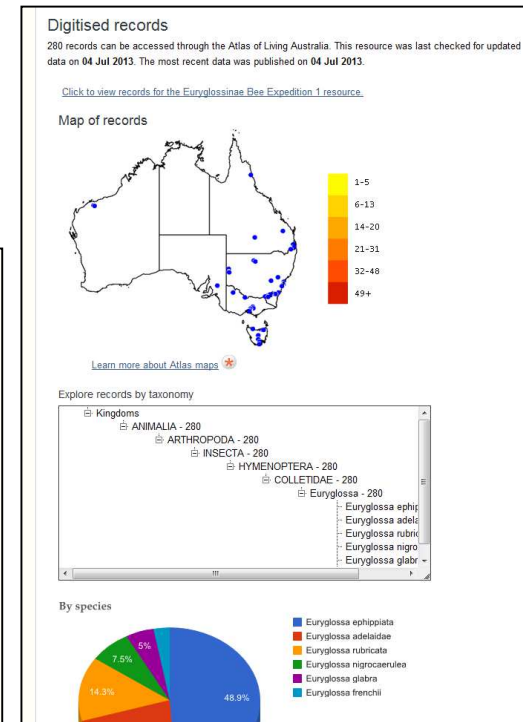
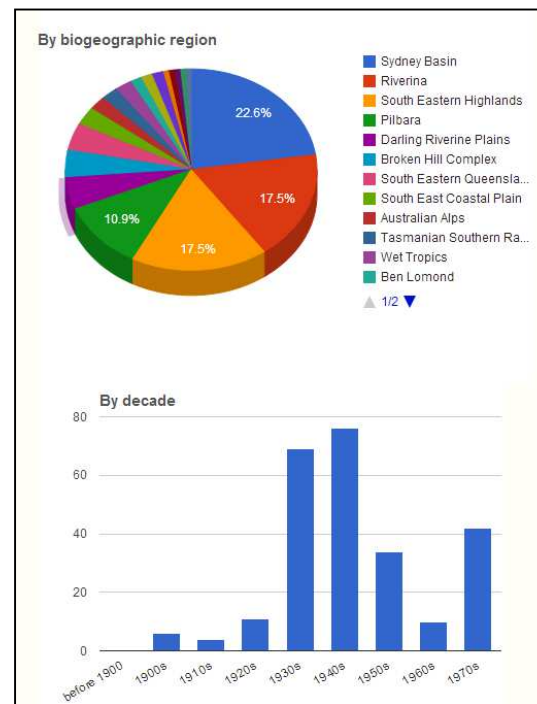
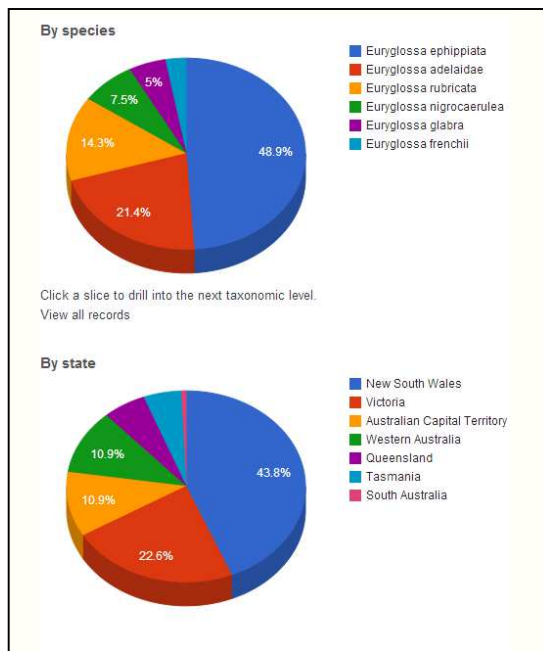
Go get our data : <http://collections.ala.org.au/datasets>

<b>▶ Euryglossinae Bee Expedition 1</b>
Type of resource: records License: other License version: View records
<b>▶ Euryglossinae Bee Expedition 2</b>
Type of resource: records License: other License version: View records
<b>▶ Plume moths - ANIC</b>
Type of resource: records License: other License version: View records



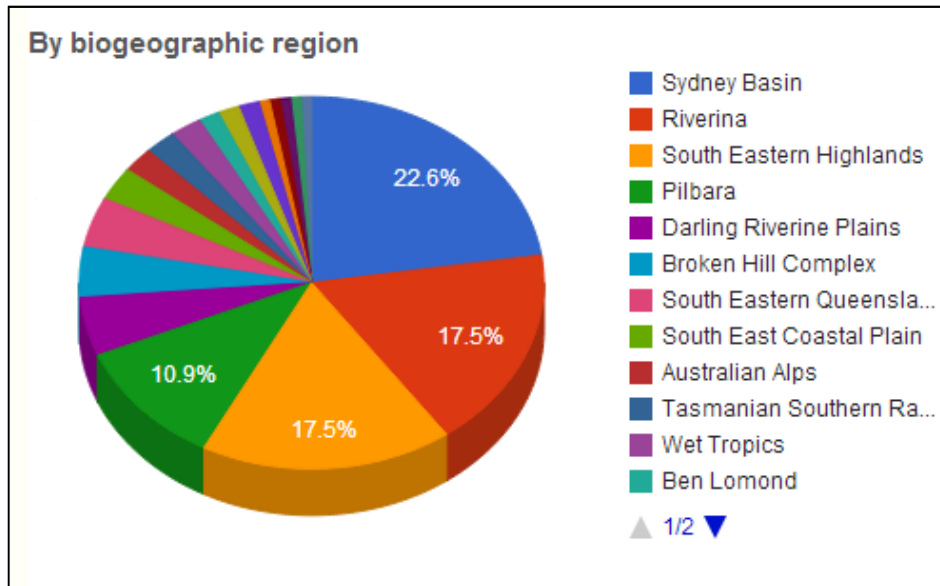
## Section 3 : Data Enrichment

- Graphical data is available for our use
- Visualising taxonomic data sets



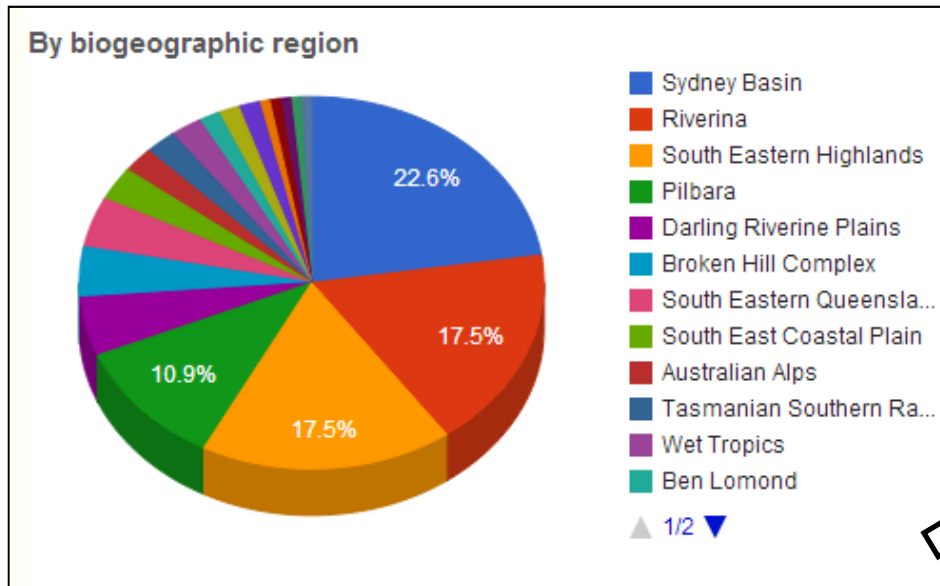
### Section 3 : Data Enrichment

- Now that the information from the specimen label has been turned into a digital format



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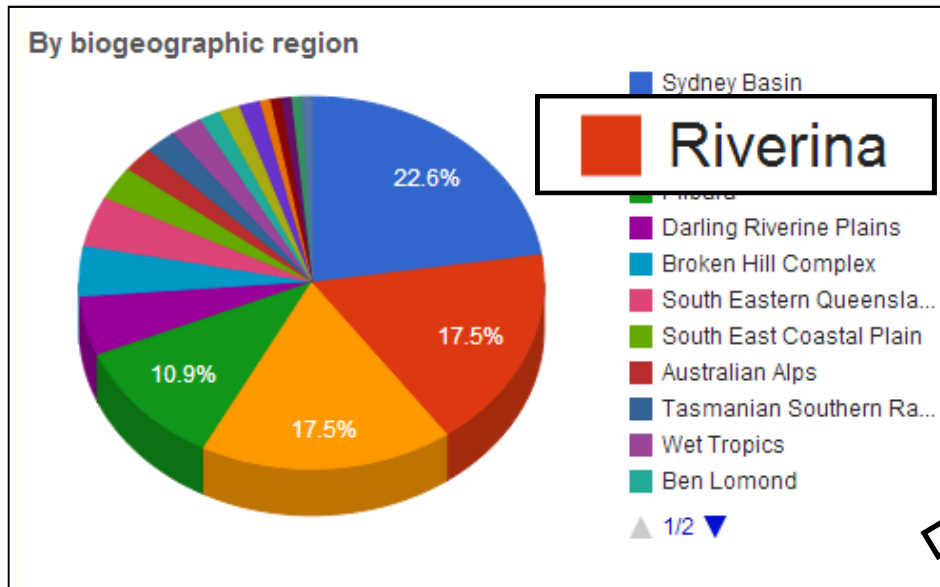




### Section 3 : Data Enrichment

- Now that the information from the specimen label has been turned into a digital format

>>> we can derive more information then even before



## For the Future ....

- Gain a better understanding of how these transcriptions/ records are used by the science community
- Results of studies made using the transcriptions / records (the published science)



# Mahalo

## Thank you

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