

www.ala.org.au

Atlas of Living Australia

An Overview



NCRIS

National Research
Infrastructure for Australia

An Australian Government Initiative

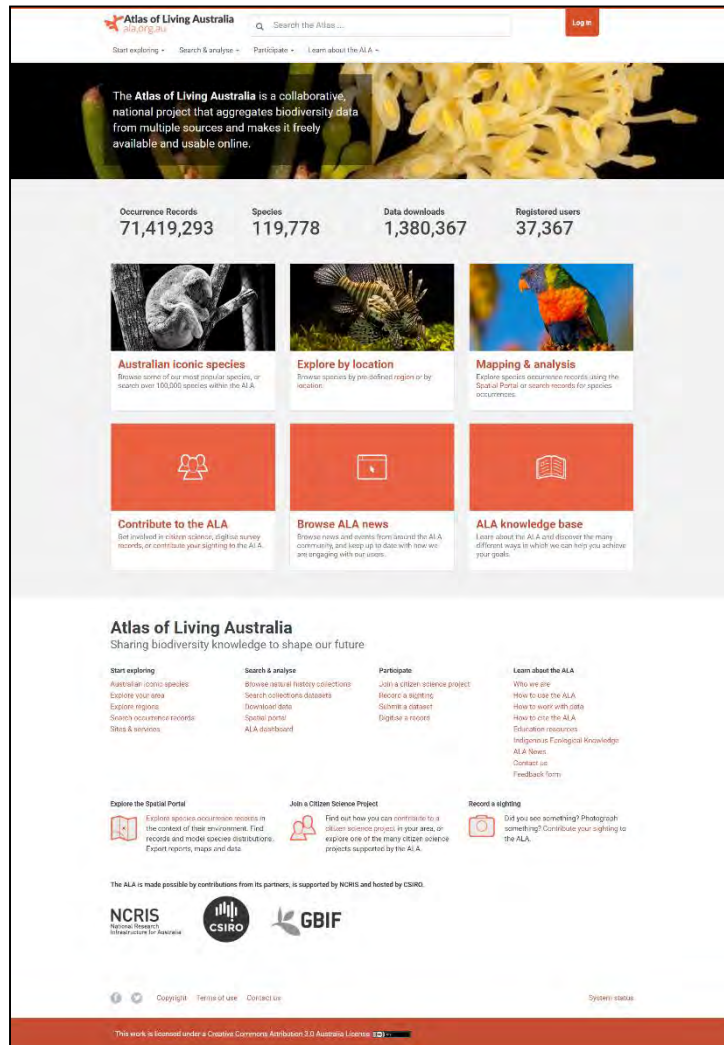
The ALA is made possible by contributions from its many partners. It receives support through the Australian Government through the National Collaborative Research Infrastructure Strategy (NCRIS) and is hosted by CSIRO.



What is the ALA?



Australia's aggregation & access facility for biodiversity data



- One of several facilities funded by the Australian Government for **national research infrastructure**



- Hosted by



- Enables

- more **effective & efficient** scientific research
- expanded research **opportunities**
- informing **policy** & management
- **community** participation & connection
- **education** resource

ALA — *sharing biodiversity knowledge*

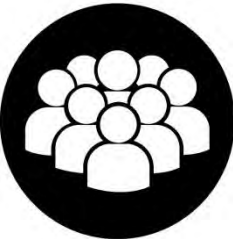


> AUD \$50 million investment

NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative



A leading-edge
collaborative e-infrastructure
integral to advancing
biodiversity knowledge

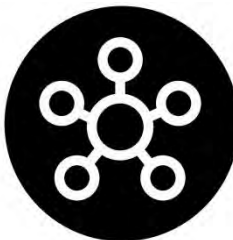


Partners – founding & beyond



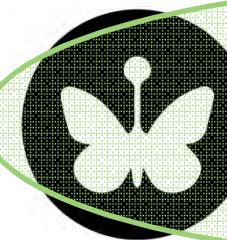
Data types

- specimens
- occurrence
- images, sounds
- literature
- sequences
- more



National Research infrastructure

NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative



- 71.4 million records
- 5,238 data sets
- 477 spatial layers
- 11.8 billion records downloaded from 1.4 million events
- 1,200 + scientific publications (known)



Open source & open access



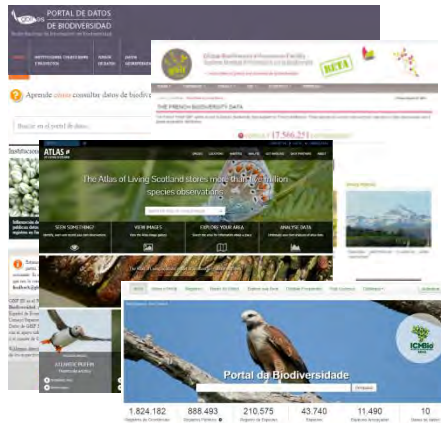
System

- data capture & aggregation
- data management
- data discovery
- data visualisation
- data analysis & reporting

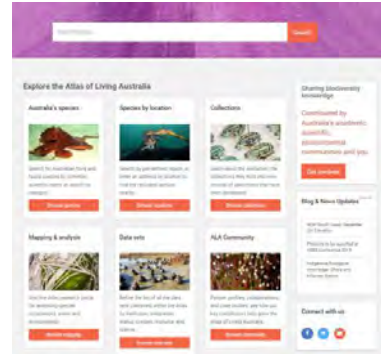
ALA — open infrastructure - “Powered by ALA”



International Instances



ALA Portal



Domain Instances (Aus)



Hubs



click on images to go through in site

One infrastructure - many systems

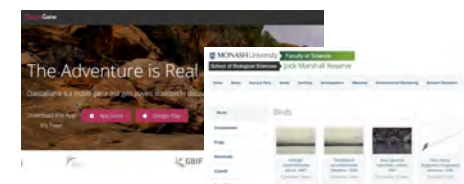
Suite of Apps



Web Services



Web Services



For online access to Australia's biodiversity information

www.ala.org.au

Hubs

The whole ALA site itself is a hub

Combines suite of custom web apps with Wordpress CMS.

The screenshot shows the Atlas of Living Australia (ALA) website. At the top, there's a navigation bar with the ALA logo, a search bar, and a 'Log in' button. Below the navigation bar is a large banner image of yellow flowers with the text: 'The Atlas of Living Australia is a collaborative, national project that aggregates biodiversity data from multiple sources and makes it freely available and usable online.'

Below the banner, there are four statistics: Occurrence Records (71,419,293), Species (119,778), Data downloads (1,380,367), and Registered users (37,367).

The main content area features six tiles with icons and titles: 'Australian iconic species', 'Explore by location', 'Mapping & analysis', 'Contribute to the ALA', 'Browse ALA news', and 'ALA knowledge base'. Each tile has a brief description of its function.

Below the tiles, there's a section titled 'Atlas of Living Australia' with the subtitle 'Sharing biodiversity knowledge to shape our future'. This section contains three columns of links: 'Start exploring', 'Search & analyse', 'Participate', and 'Learn about the ALA'.

At the bottom, there are logos for NCRIS, CSIRO, and GBIF, along with a footer containing copyright information, terms of use, contact us, and system status.

For online access to Australia's biodiversity information

Hubs

View of only
museum
specimen
records

Same
database
infrastructure

Different
instance of
front-end -
standard
functionality

OZCAM About Contributors News

Search Specimens

Occurrence records

4,870,948 results for [all records]

Customise filters

Narrow your results

- Taxon
- Identification
- Occurrence
- Location
- Assertions
- Attribution
 - Collection
 - ☐ Museums Victoria Entomology Collection (355,273)
 - ☐ Australian Museum Malacology Collection (345,944)
 - ☐ Museums Victoria Marine Invertebrates
 - [choose more...](#)

Records Map Charts

View in spatial portal Download map

Colour by: Collection Size: 2 Opacity: 0.8 Outline

Lat: 17.8115 Lng: -174.1882

Leaflet | Map data © OpenStreetMap, imagery © CartoDB

POWERED BY ATLASofLIVING AUSTRALIA

OZCAM is an initiative of the Council of Heads of Australian Faunal Collections (CHAFC)

For online access to Austr

Hubs

View of only
herbarium
specimen records

Same database
infrastructure

Different instance
of front-end

Some bespoke
front-end
functionality, but
much standard
ALA

Home Search About Help News Contact us

AVH
The Australasian Virtual Herbarium

Peter Bunting | Logout

Occurrence records

Advanced search
Quick search

6,239,962 results for [all records] Download

Customise filters

Narrow your results

- Taxon
- Identification
- Occurrence
 - Collector
 - ☐ Beauglehole, A.C. (83,682)
 - ☐ Streimann, H. (70,401)
 - ☐ Forster, P.J. (59,560)
 - ☐ Hyland, B. (58,007)
 - choose more...
 - Life stage
 - ☐ flowers (957,904)
 - ☐ fertile (591,309)
 - ☐ fruit (507,705)
 - ☐ buds (319,658)
 - choose more...
 - Establishment means
 - ☐ not cultivated (1,581,100)
 - ☐ native (1,178,936)
 - ☐ Unknown (215,425)
 - ☐ not native (78,675)
 - choose more...
 - Month
 - ☐ January (435,006)
 - ☐ February (348,094)
 - ☐ March (360,242)
 - ☐ April (397,458)
 - choose more...
 - Year
 - ☐ 0001 (45)
 - ☐ 0002 (12)
 - ☐ 0003 (9)
 - ☐ 0004 (14)
 - choose more...
 - Year (by decade)
 - ☐ 0 (103)
 - ☐ 10 (45)
 - ☐ 30 (1)
 - ☐ 1840 (1)
 - choose more...
 - Multimedia
 - ☐ None (6,235,858)
 - ☐ Image (4,104)
 - choose more...
- Location
- Record
- Assertions
- Attribution

Records Map Charts Record images

View in spatial portal Download map

Leaflet | Map data © OpenStreetMap, imagery © CartoDB

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avh@chan.org.au

Hubs

View of only partnership
seed collection records
holdings

Same database
infrastructure

Different instance of
front-end

Standard front-end
functionality



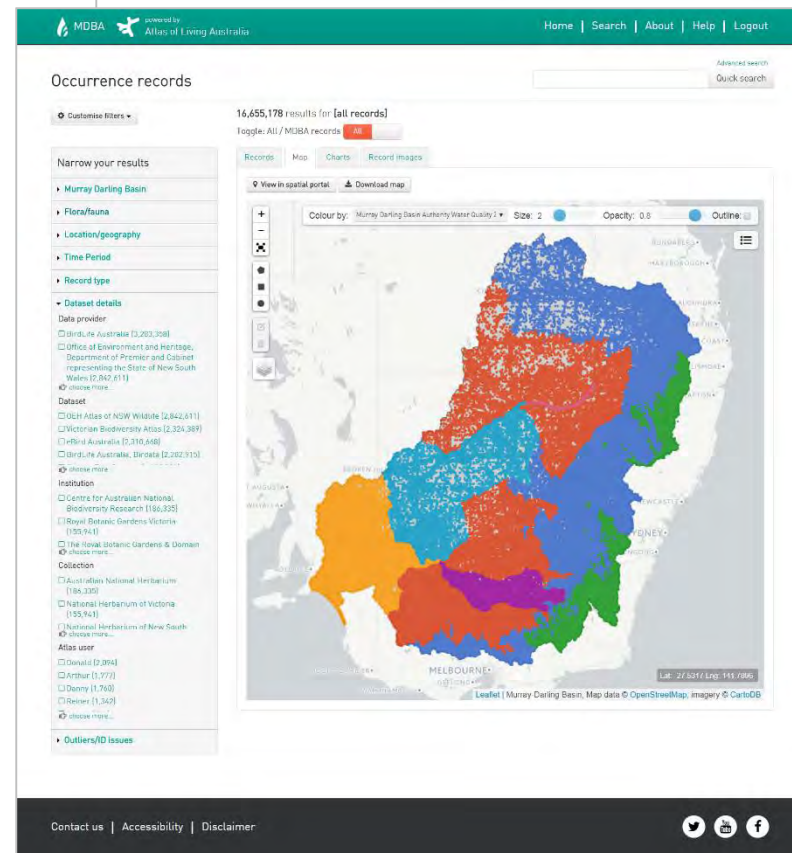
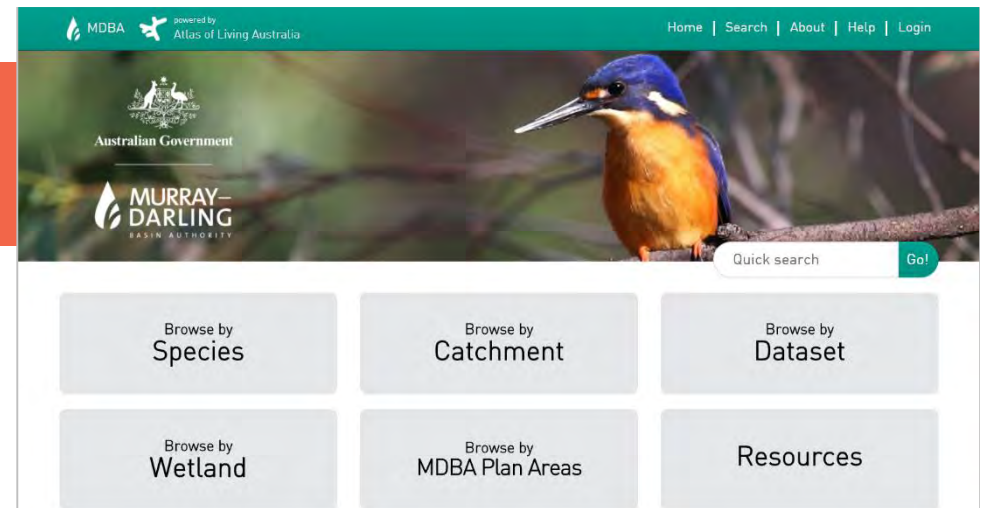
Hubs

Geographically constrained view of ALA data holdings, including toggle to organisation records only

Same database infrastructure

Different instance of front-end

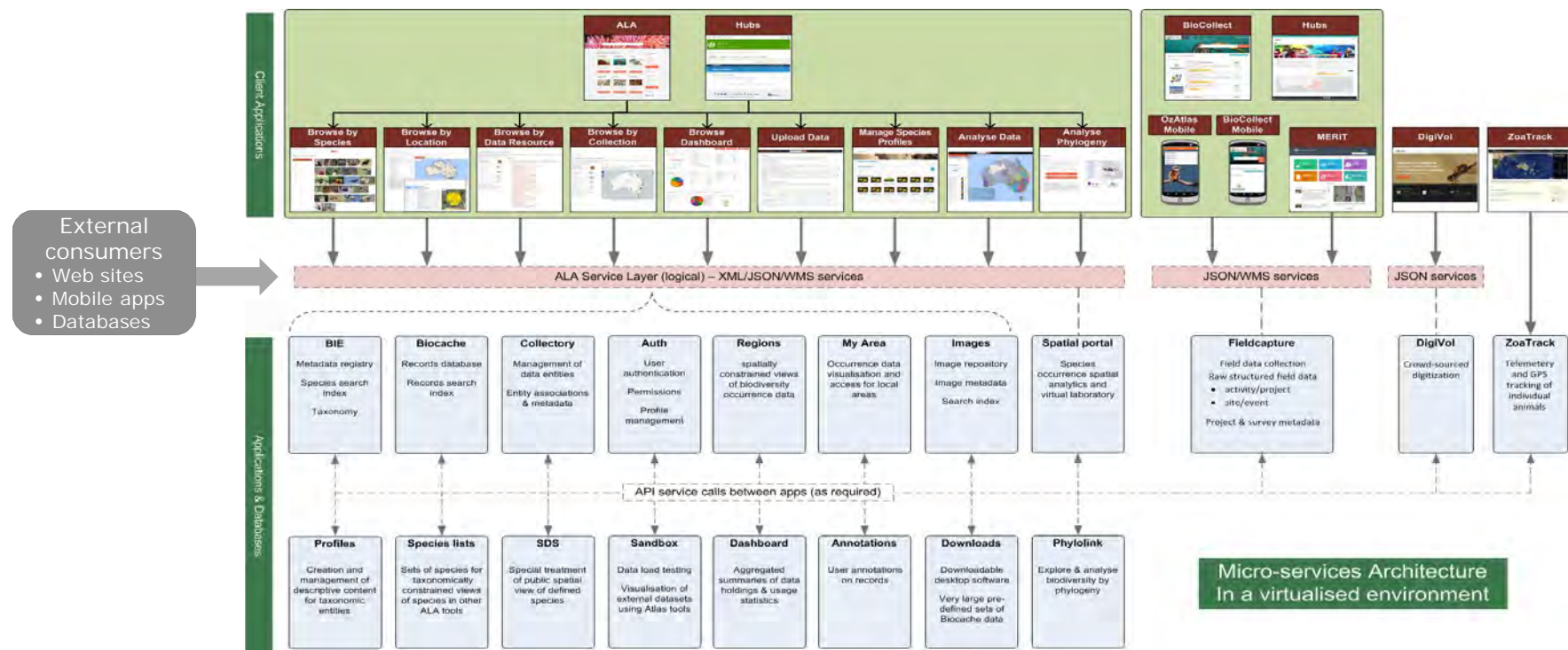
Combination of bespoke & standard front-end functionality



ALA Architecture



Australia's aggregation & access facility for biodiversity data

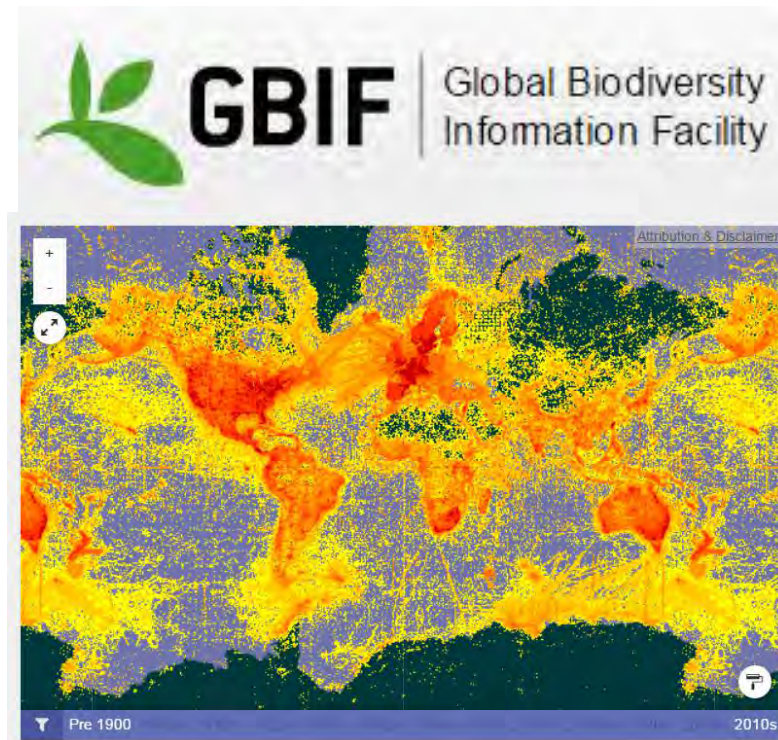


- World-leading **biodiversity informatics infrastructure**
 - All FOSS and open data under CC licences
 - Integrated but modular tools and services
 - API layer provides enormous flexibility

What is the ALA?



Australia's aggregation & access facility for biodiversity data



www.gbif.org

- National **node of GBIF**
- Used for:
 - Global scale scientific research.
 - Informing trends in:
 - biodiversity status
 - Planning for & tracking against international biodiversity management targets (Aichi, CBD, IPBES, etc.)
 - Predictive modelling for:
 - trans-national biosecurity and human & animal health issues.
 - Biodiversity responses to climate change and other factors.
 - Much more ...

ALA - *tools for biodiversity*



ALA Tools – *data capture*



Data Capture

Data
Discovery

Data
Visualisation

Data
Analysis

Direct Data Uploads

ATLAS of LIVING AUSTRALIA
sharing biodiversity knowledge

Species Locations Collections Mapping & analysis

Home FAQ Data sharing Data upload templates

Data upload templates

What is a data upload template?

Data upload templates are used to upload bulk data into the Atlas.

How do I use the data upload template?

The data upload templates (except for the profile template) have a simple description. If you have a default value you can use, copy it to the template.

To use the templates:

1. Set any defaults possible and then review the records sheet. If additional information that doesn't fit the standard fields provided, the information will stay with the records and we'll include them as a customised template is set, copy your data across.
2. Log in to the Atlas and fill out the form including the license to be used attributed. If you are sharing a species list, indicate the location the list is from:
A. a point (set of coordinates) and radius, OR
B. the locality name available from the Atlas gazetteer. OR

API's
ODBC
etc.

ALA Sandbox

ALA Sightings + Mobile

DigiVol – Crowd Digitisation

ALA Tools — *data capture*



Data Capture

Data
Discovery

Data
Visualisation

Data
Analysis

BioCollect + Mobile



Project
discovery +
General field
data capture
cloud hosting service

MERIT



AUS govt
sponsored
environmental
interventions

ALA Tools — data capture



Data Capture

Data
Discovery

Data
Visualisation

Data
Analysis

Profiles Tool

Species profile content authoring & management

Seasonal Calendars

Recording cultural & phenologic perspectives

ALA Tools — *data discovery*



Data Capture

Data
Discovery

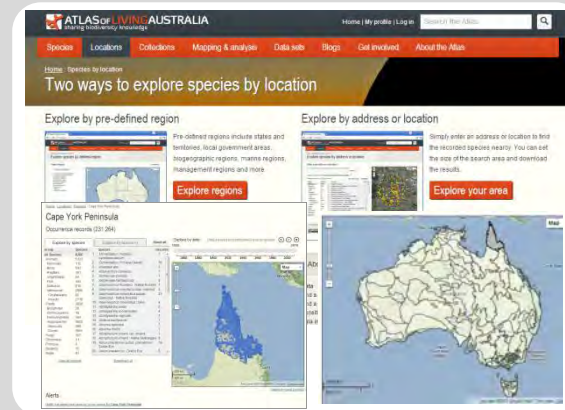
Data
Visualisation

Data
Analysis

by species



by location/region



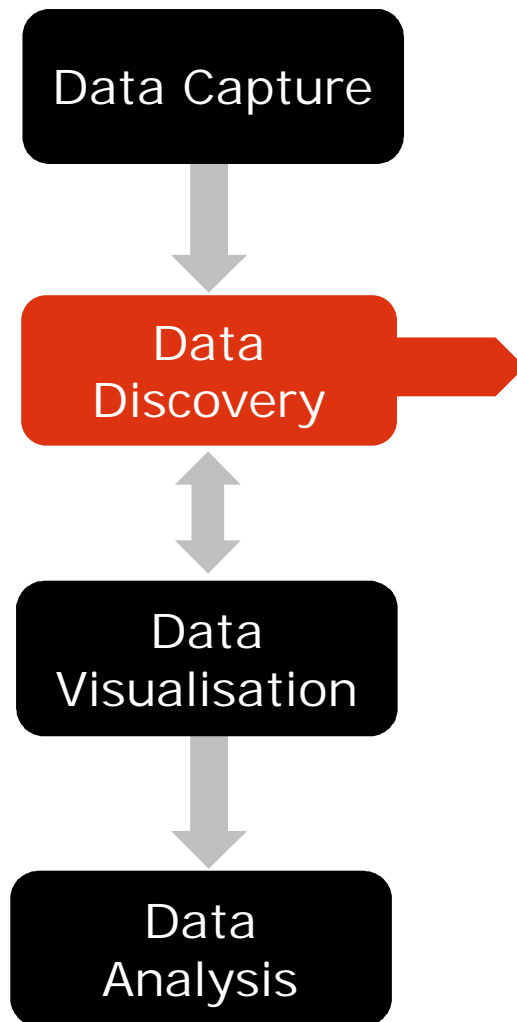
by collection



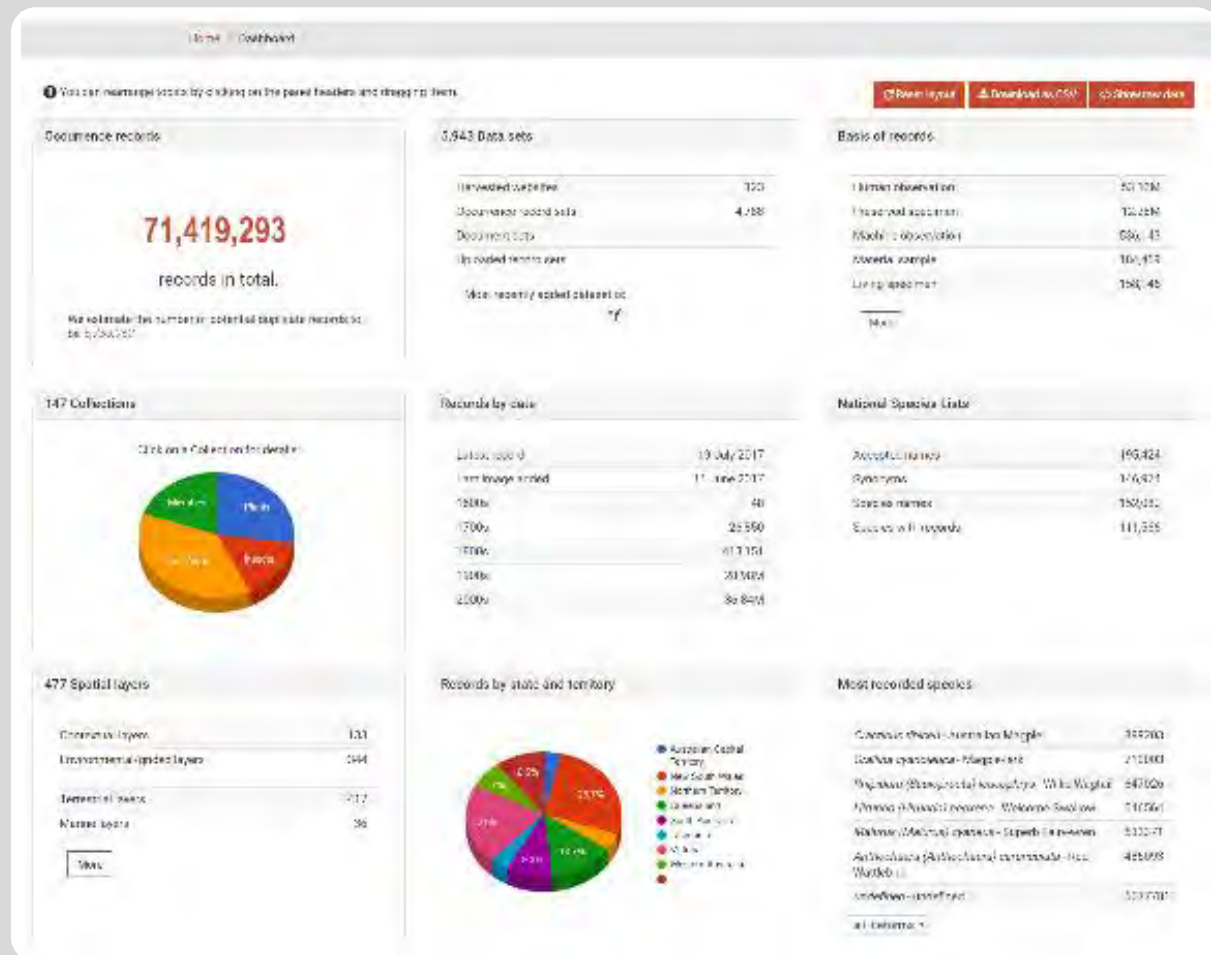
by data set



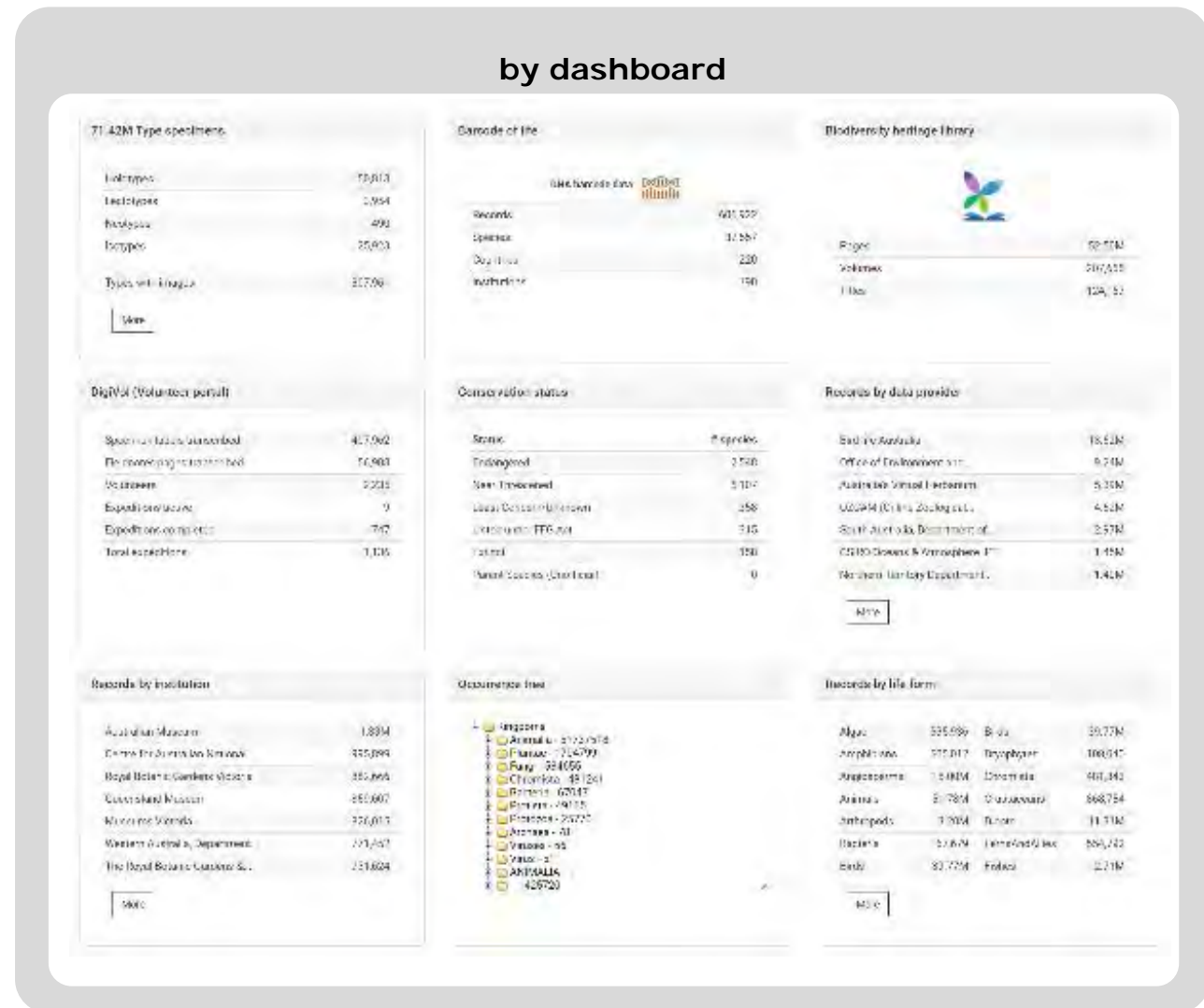
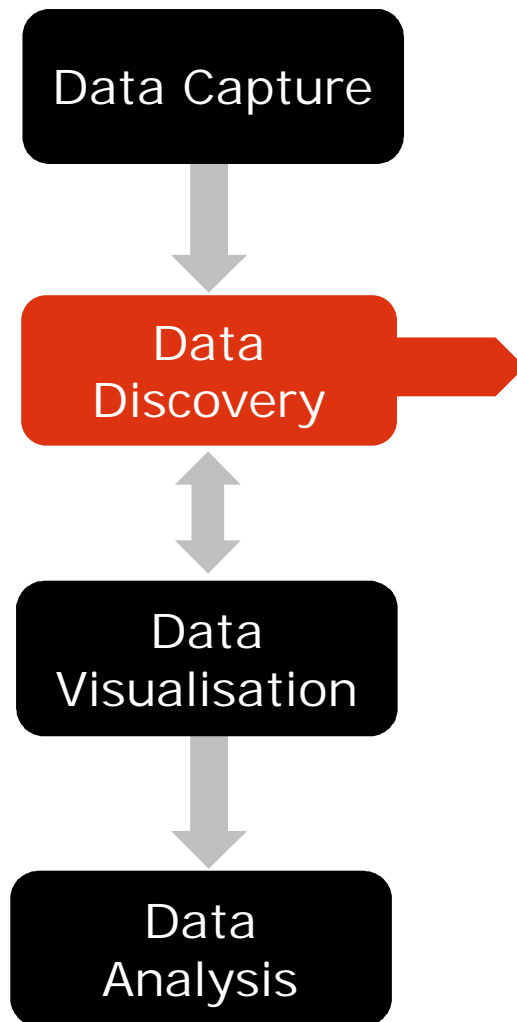
ALA Tools — *data discovery*



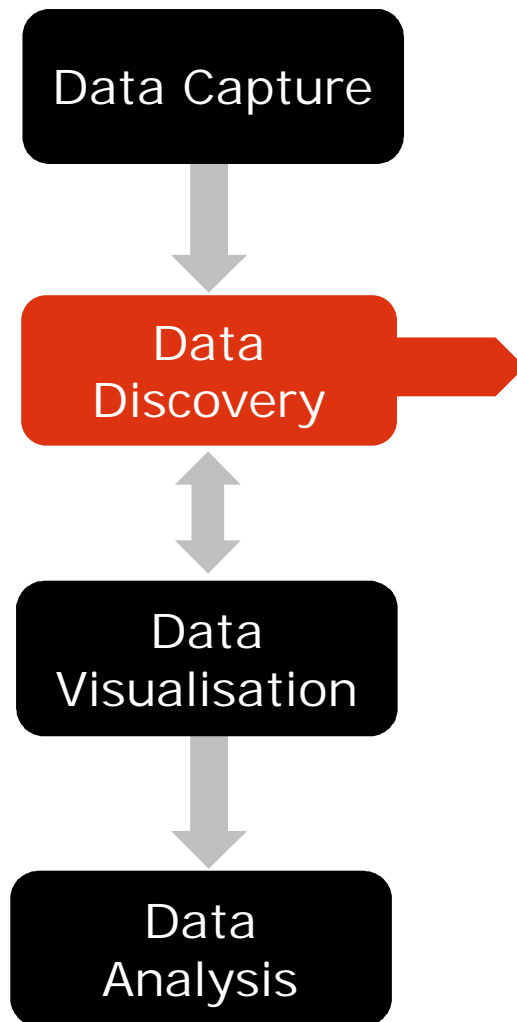
by dashboard



ALA Tools — *data discovery*



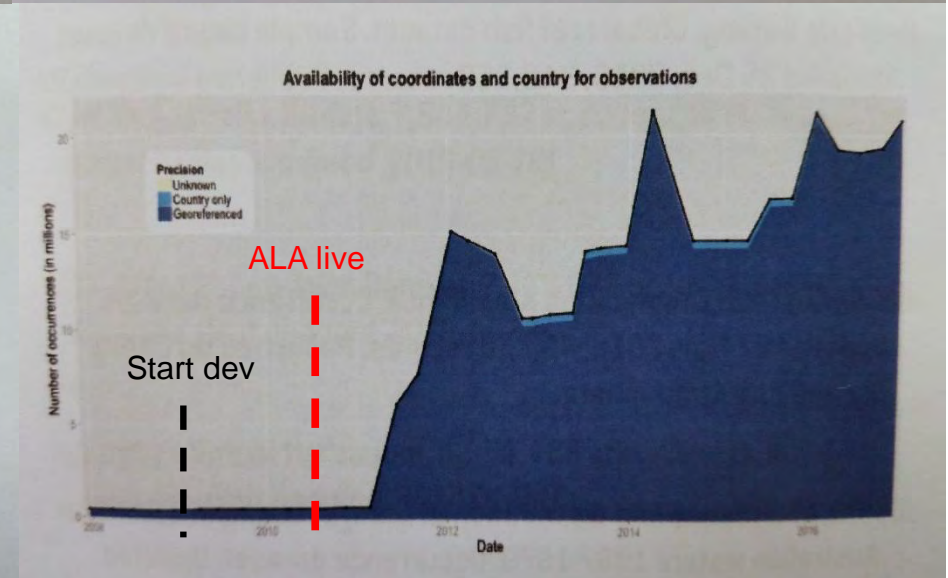
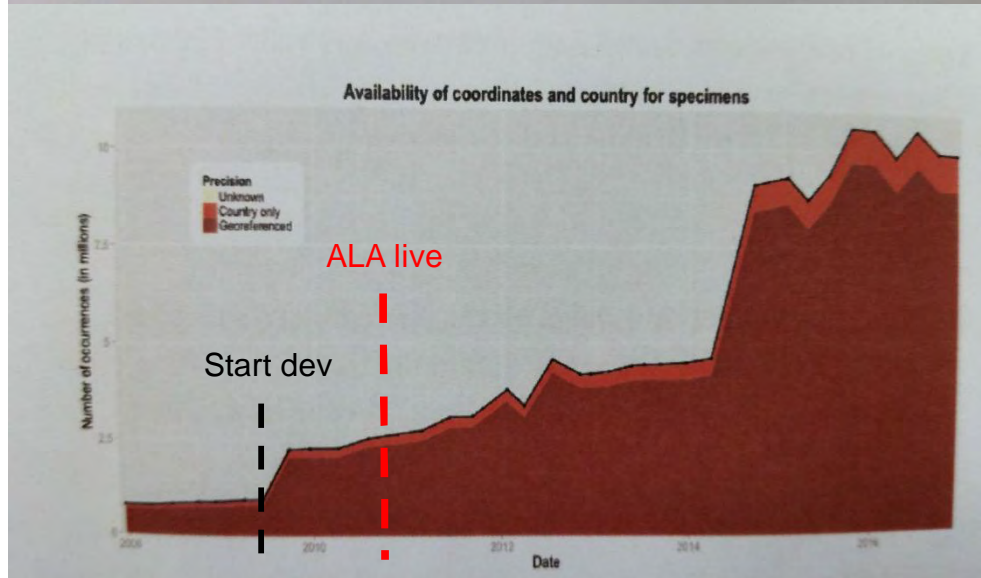
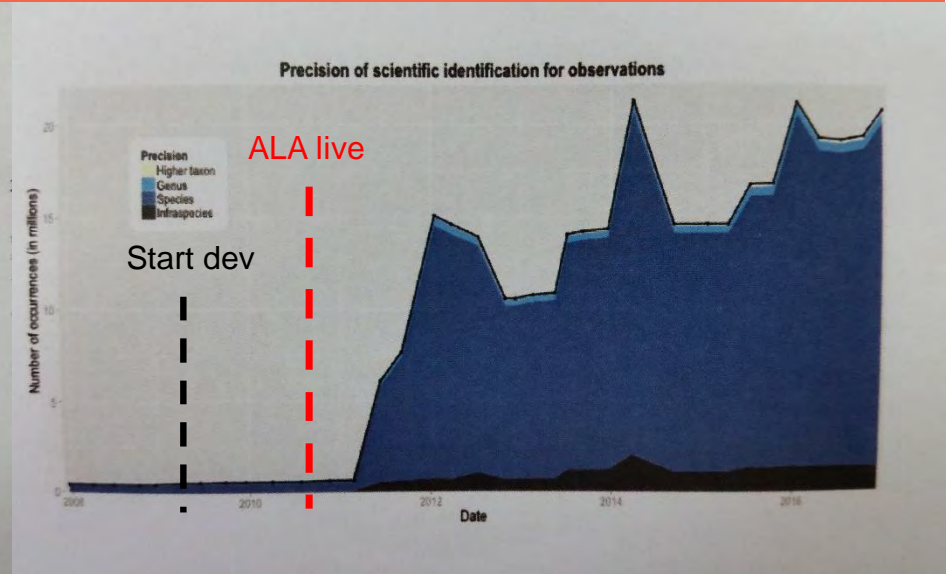
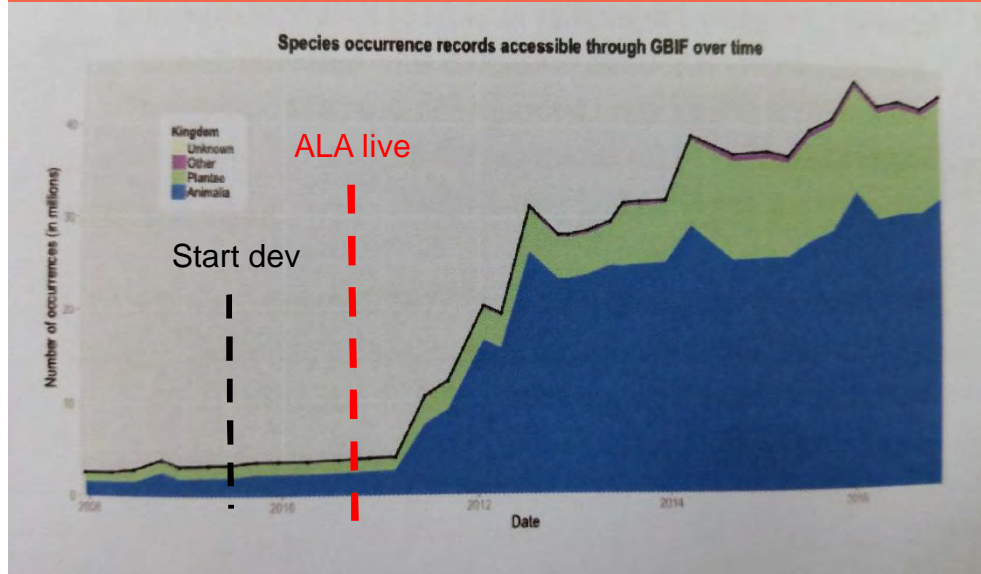
ALA Tools — *data discovery*



by dashboard



Impact – DQ & Volume



ALA Tools - *navigating the data*



Occurrence records

Advanced search

Quick search

Customise filters

103,024 results for GENUS: Banksia

Download

Narrow your results

Taxon

Identification

Location

Country

- ☐ Australia (100,279)
- ☐ China (4)
- ☐ Indonesia (3)
- ☐ New Zealand (188)

choose more...

State/Territory

- ☐ Australian Capital Territory (518)
- ☐ New South Wales (33,898)
- ☐ Northern Territory (233)
- ☐ Queensland (2,924)

choose more...

National Dynamic Land Cover

- ☐ Primarily Vegetated Natural & Semi-Natural Terrestrial Vegetation Woody Trees Closed (35,344)
- ☐ Primarily Vegetated Natural & Semi-Natural Terrestrial Vegetation Woody

choose more...

IBRA 7 Regions

- ☐ Sydney Basin (22,907)
- ☐ Esperance Plains (6,105)
- ☐ Jarrah Forest (5,755)
- ☐ South East Coastal Plain (5,715)

choose more...

IBRA 7 Subregions

Records

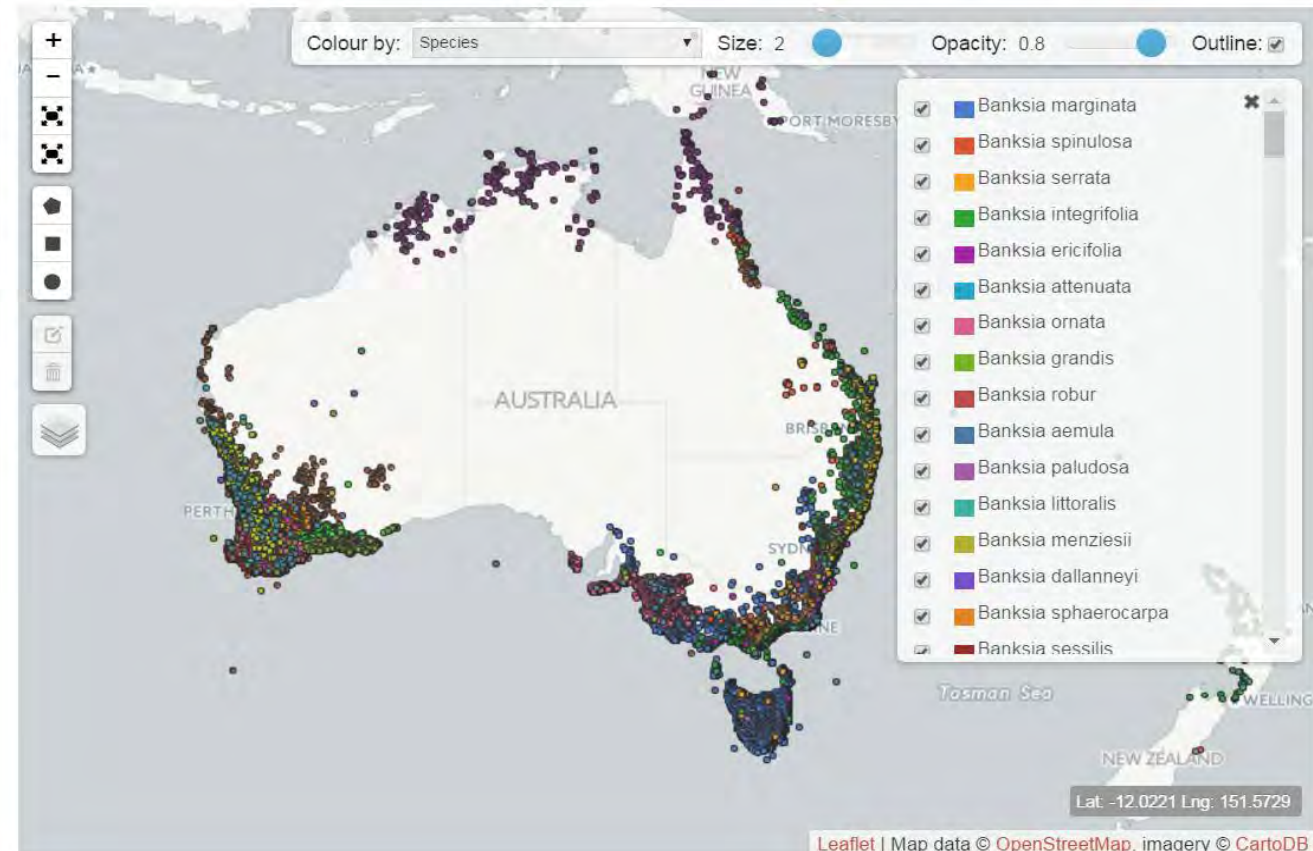
Map

Charts

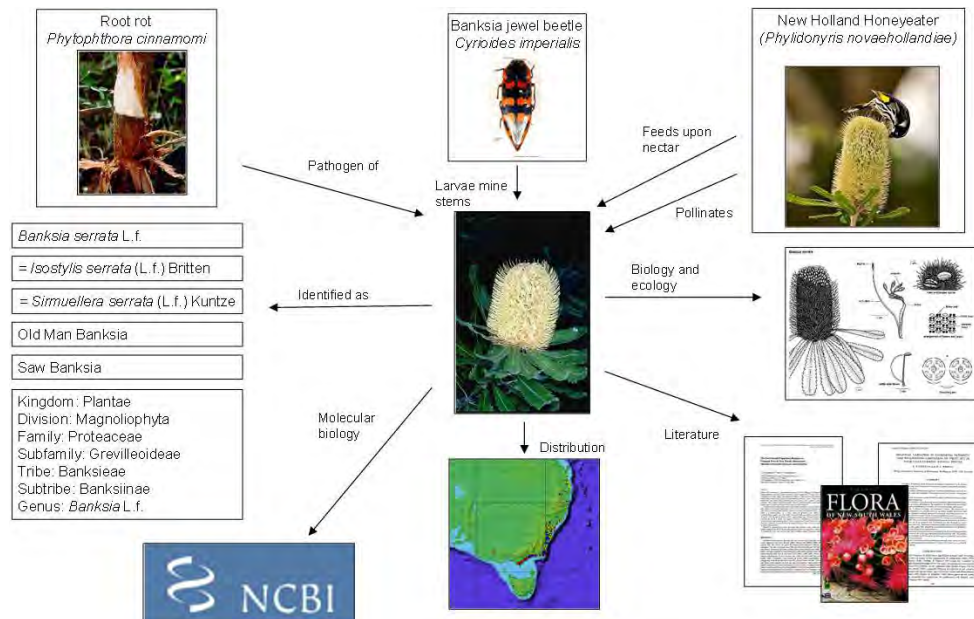
Record images

View in spatial portal

Download map



ALA Tools - biodiversity information



Atlas Of Living Australia ALA Apps ALA Info Search the Atlas Search User settings

Plantae / Charophyta / Equisetopsida / Magnoliidae / Proteanae / Proteales / Proteaceae / Banksia / *Banksia serrata*

Banksia serrata L.f. JSON

species Accepted Name authority: Australian Plant Census

Overview Gallery Names Classification Records Literature Sequences Data partners

Photographer: sea-kangaroo

Conservation Status

QLD Least concern wildlife

TAS Near Threatened

Banksia serrata

Banksia serrata, commonly known as **old man banksia**, **saw banksia**, **saw-tooth banksia** and **red honeysuckle**, is a species of woody shrub or tree of the genus *Banksia* in the family Proteaceae. Native to the east coast of Australia, it is found from Queensland through to Victoria with outlying populations on Tasmania and Flinders Island. Commonly growing as a gnarled tree up to 15 m (50 ft) in height, it can be much smaller in more exposed areas. This *Banksia* species has serrated, dark green leaves and large, yellow or greyish-yellow flower spikes.

Source: http://en.wikipedia.org/w/index.php?title=Banksia_serrata&oldid=651736791
Provided by: Encyclopedia of Life

Online Resources

- ALA occurrences
- GBIF
- Encyclopaedia of Life
- Biodiversity Heritage Library
- Google search
- Google scholar

Royal Botanic Gardens Melbourne holdings (2010)

Family	Genus	Specific epithet	Common_Name	Count
Proteaceae	Banksia	serrata	Saw Banksia	1

Provided by: Royal Botanic Gardens Melbourne holdings (2010)

Tasmania : Conservation Status

vernacular status	sourceStatus
Honeysuckle	Rare

Provided by: Tasmania : Conservation Status

Queensland : Conservation Status

taxonId	17899
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For online access to Australia's biodiversity information

ALA Tools – data visualisation



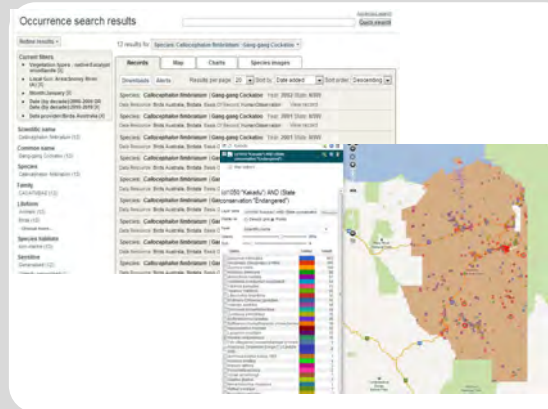
Data Capture

Data Discovery

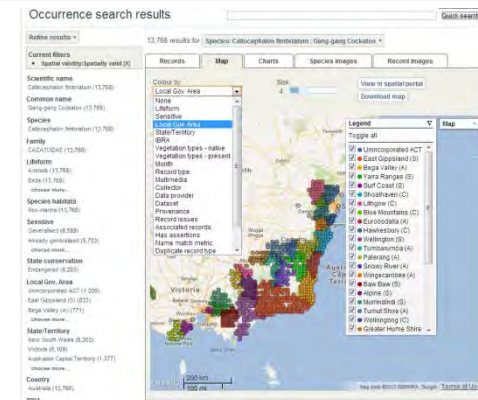
Data Visualisation

Data Analysis

lists



spatial views



active charts

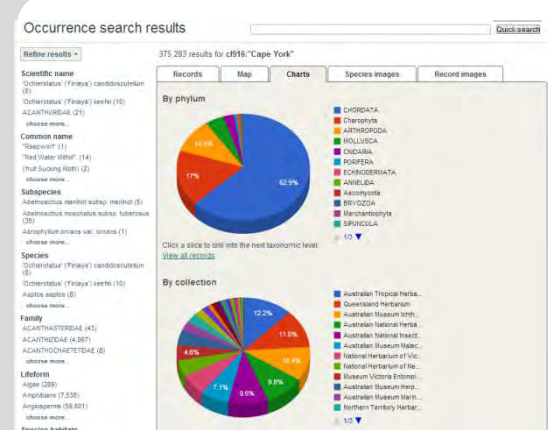
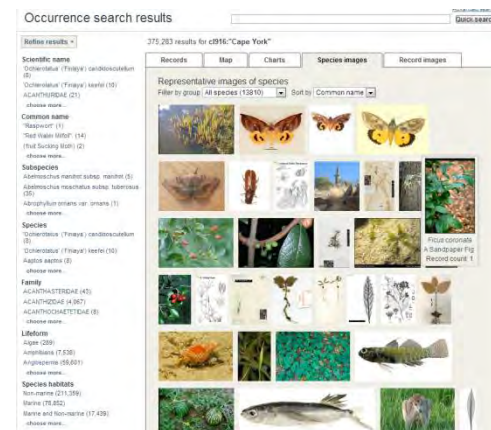
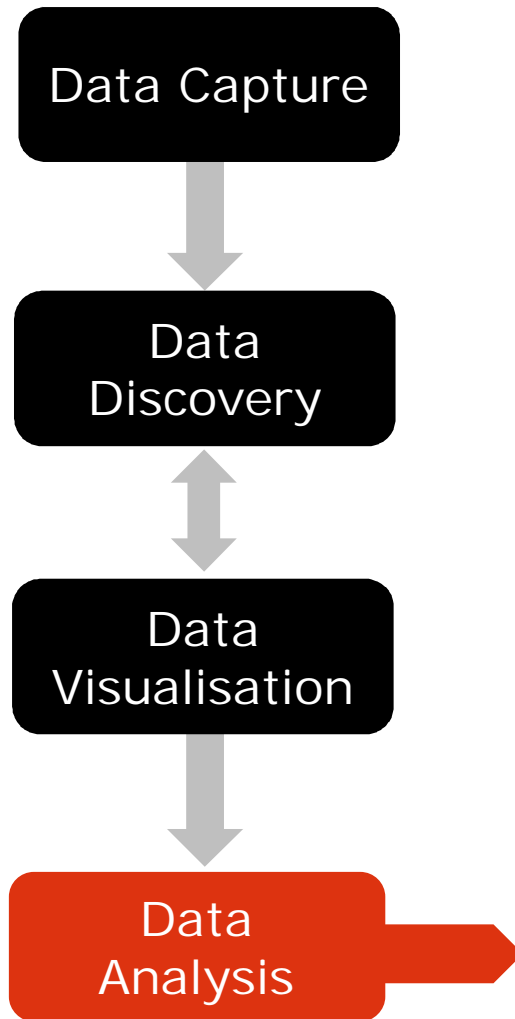


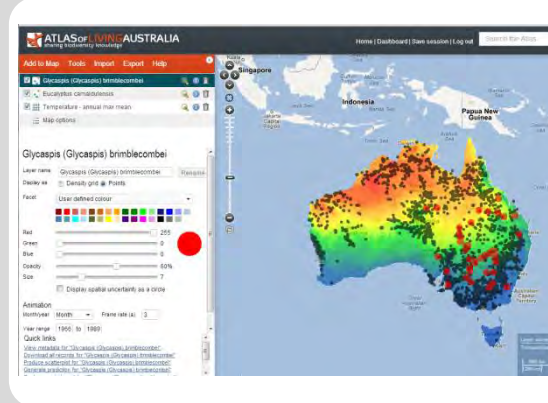
image galleries



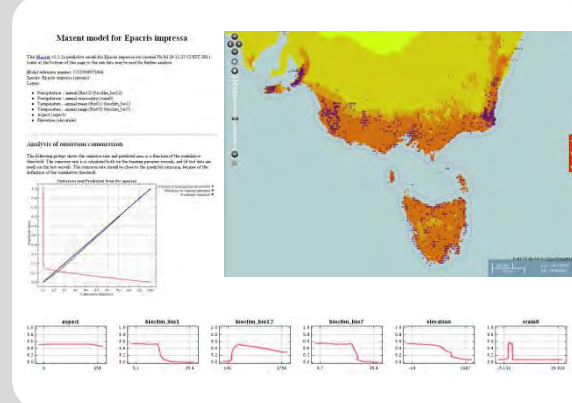
ALA Tools — *Spatial Portal*



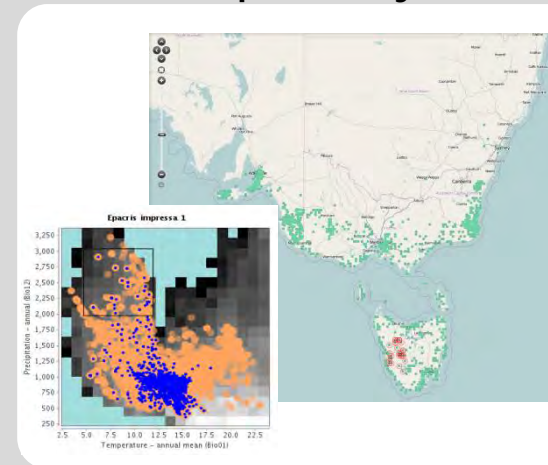
point data over spatial layers



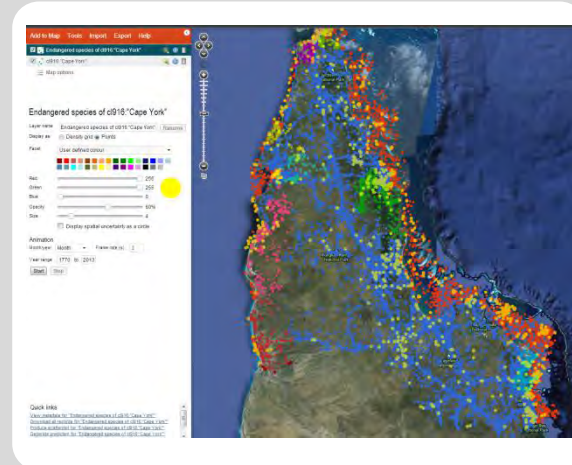
environmental niche modelling



scatterplot analysis



more analytical tools...





Add to Map Tools Import Export Help

Genus: Dacelo

Map options

Genus: Dacelo

Layer name

Genus: Dacelo

Rename

Display as

☐ Density grid ☒ Points

Facet

Scientific name

Opacity

60%

Size

3

class	colour	count
<input type="checkbox"/> Dacelo (Dacelo) novaeguineae		221415
<input type="checkbox"/> Dacelo (Dacelo) leachii leachii		27167
<input type="checkbox"/> Dacelo (Dacelo) novaeguineae novaeguineae		2234
<input type="checkbox"/> Dacelo		190
<input type="checkbox"/> Dacelo (Dacelo) leachii cervina		68
<input type="checkbox"/> Dacelo (Dacelo) novaeguineae minor		18
<input type="checkbox"/> Dacelo (Dacelo) leachii occidentalis		9
<input type="checkbox"/> Dacelo (Dacelo) leachii		4

Select all

☐ Display spatial uncertainty as a circle

Animation

Month/year

Month

Frame rate (s)

3

Year range

1770

to

2013

Start

Stop

Quick links

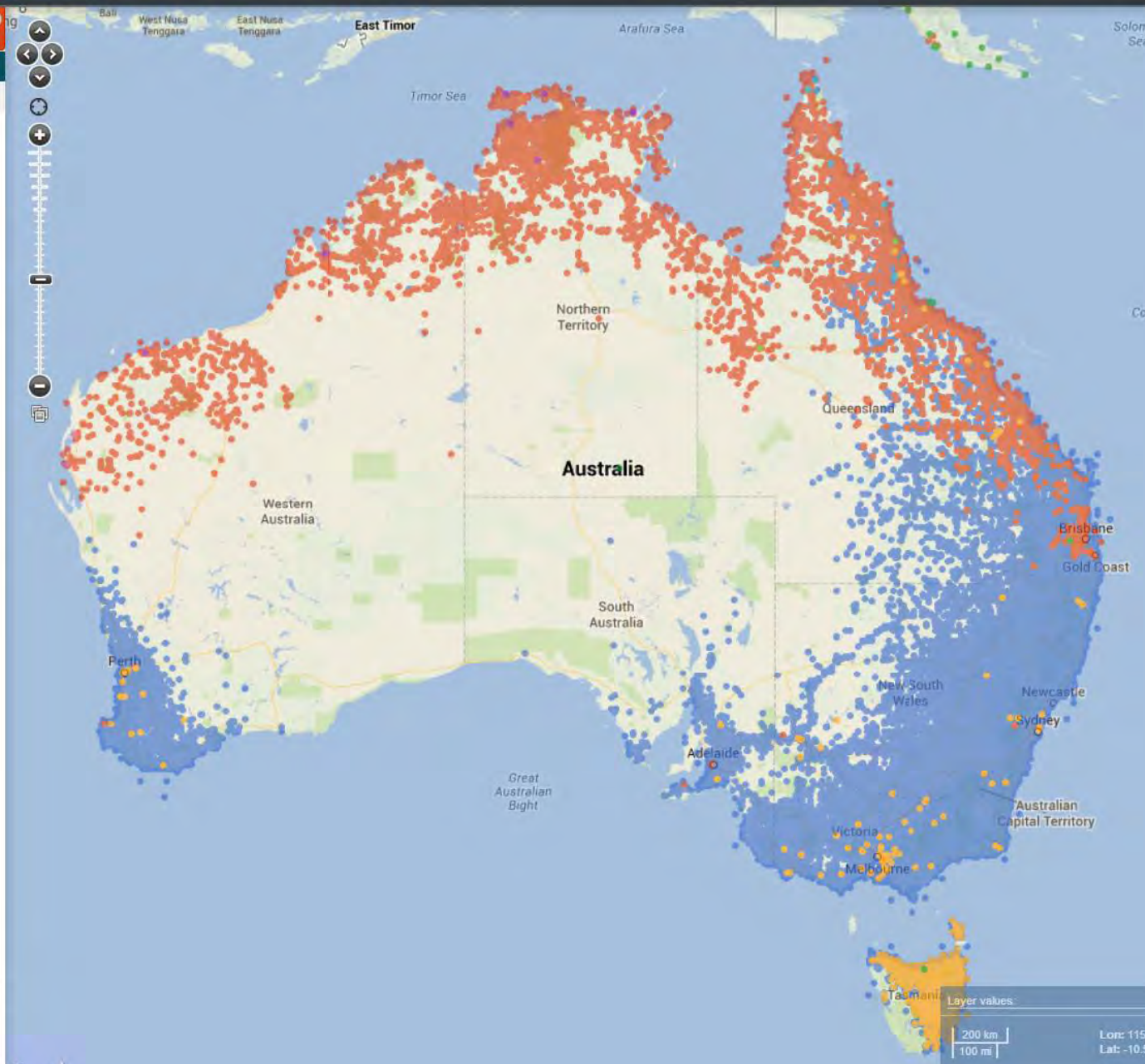
[View metadata for "Genus: Dacelo"](#)

[Download all records for "Genus: Dacelo"](#)

[Produce scatterplot for "Genus: Dacelo"](#)

[Generate prediction for "Genus: Dacelo"](#)

[Produce points to grid for "Genus: Dacelo"](#)



Add to Map Tools Import Export Help

☒ ☐ Kakadu

☒ (cl1050:"Kakadu") AND (State conservation:"Endangered")

Map options

(cl1050:"Kakadu") AND (State conservation:"Endangered")

Layer name (cl1050:"Kakadu") AND (State conservation:"Endangered") Rename

Display as ☐ Density grid ☒ Points

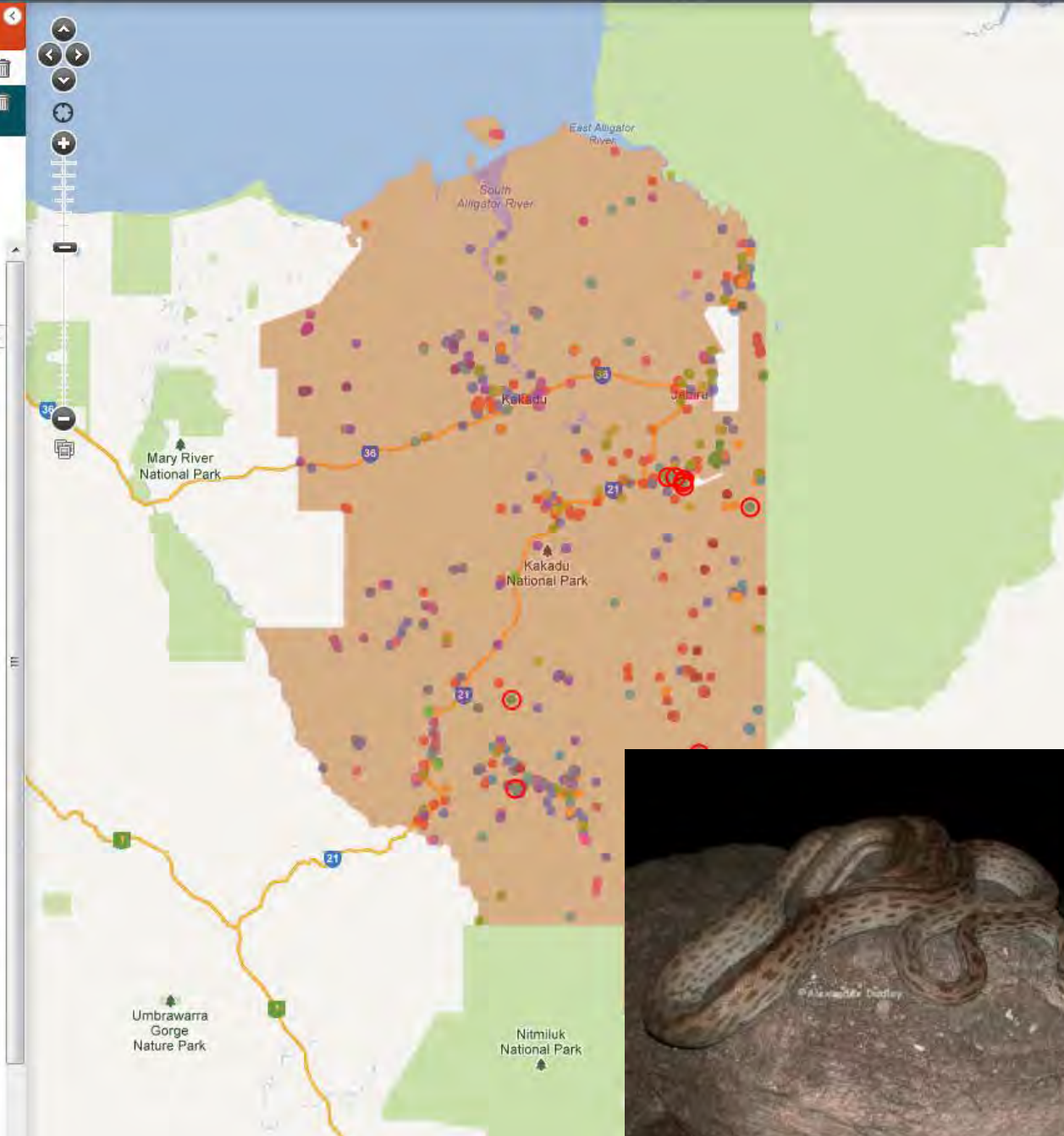
Facet Scientific name

Opacity 60%

Size 4

class	colour	count
<input type="checkbox"/> Dasyurus hallucatus		843
<input type="checkbox"/> Geophaps (Geophaps) smithii		390
<input type="checkbox"/> Zyzomys maini		189
<input type="checkbox"/> Hibiscus brennanii		88
<input type="checkbox"/> Monochoria hastata		81
<input type="checkbox"/> Amytornis (Amytornis) woodwardi		64
<input type="checkbox"/> Varanus panoptes		63
<input type="checkbox"/> Varanus mertensi		62
<input type="checkbox"/> Lithomyrtus linariifolia		60
<input type="checkbox"/> Erythrura (Chloebeia) gouldiae		56
<input type="checkbox"/> Ardeotis australis		48
<input type="checkbox"/> Dromaius novaehollandiae		44
<input type="checkbox"/> Conilurus penicillatus		35
<input type="checkbox"/> Erythrorchis radiatus		26
<input type="checkbox"/> Ephianura (Aurepethianura) crocea tunneyi		19
<input type="checkbox"/> Hipposideros inornata		12
<input type="checkbox"/> Lucasium occultum		12
<input checked="" type="checkbox"/> Morelia oenpelliensis		10
<input type="checkbox"/> Tyto (Megastrix) novaehollandiae kimberli		9
<input type="checkbox"/> Acacia sp. Graveside Gorge (V.J. Levitzke 806)		8
<input type="checkbox"/> Ipomoea polpha subsp. latzii		7
<input type="checkbox"/> Isodon auratus		4
<input type="checkbox"/> Malaxis latifolia		3
<input type="checkbox"/> Freycinetia excelsa		2
<input type="checkbox"/> Cycas armstrongii		1
<input type="checkbox"/> Glyphis glyphis		1
<input type="checkbox"/> Mesembriomys macrurus		1
<input type="checkbox"/> Rattus sordidus		1
<input type="checkbox"/> Rostratula australis		1
<input type="checkbox"/> Utricularia dunstaniae		1

Select all Create layer Clear selection



ALA Tools — *Phylolink*



Data Capture

Data
Discovery

Data
Visualisation

Data
Analysis

Phylolink

Phylolink

Overview

Phylolink is a collection of tools through which biodiversity can be explored from a **phylogenetic** (or tree of life) perspective.

At the core of these tools is the ability to easily intersect a phylogenetic tree with species occurrence records, environmental data, and species character information.

The result is powerful ways of combining data to generate flexible and customisable visualisations, profiles and metrics for biodiversity.

View an example demonstration [here](#). Or, view screencast on how to view phylolink [here](#).

Start Phylolink

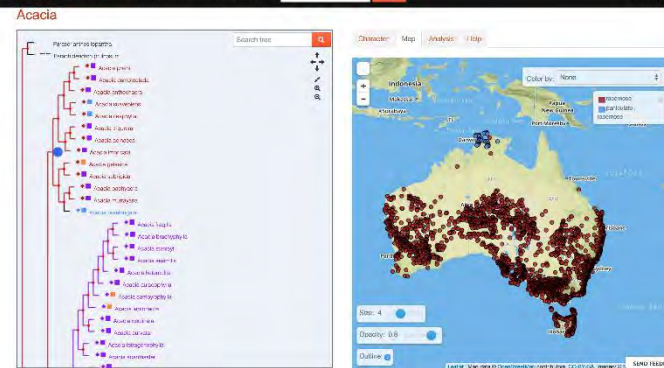
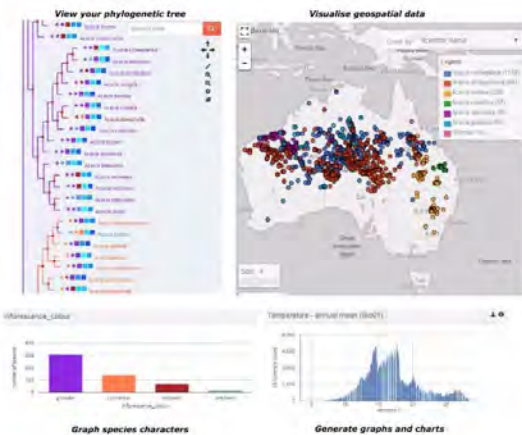
Explore Phylogenetic Diversity

Collaborators and acknowledgement:

Phylolink is the result of collaboration between the Atlas of Living Australia and scientists at CSIRO, the Australian National University and the National Science Foundation (USA). Phylolink builds upon PhyloJIVE, which was developed by CSIRO (TRIN), and the Centre for Australian National

Publications:

- [PhyloJIVE: Integrating biodiversity](#)
- [Correcting the disconnect between](#)



Indigenous Ecology



Indigenous Rangers

Indigenous Elders

Land holders/managers

Researchers



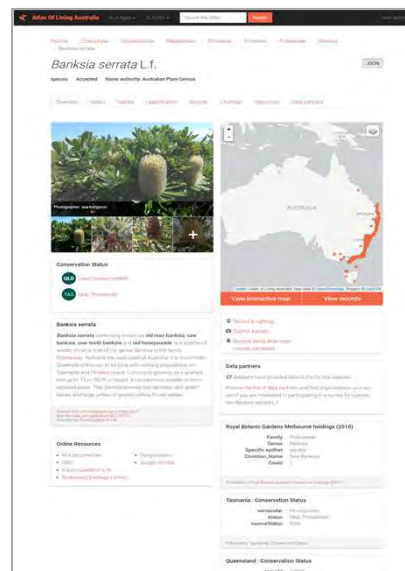
Traditional Management Techniques



Knowledge Sharing & Representation

Combining IEK in ways which help indigenous & western cultural perspectives –

A new area being supported by the Atlas



Content created and managed by indigenous communities

ALA Tools — *Indigenous Ecological Knowledge*

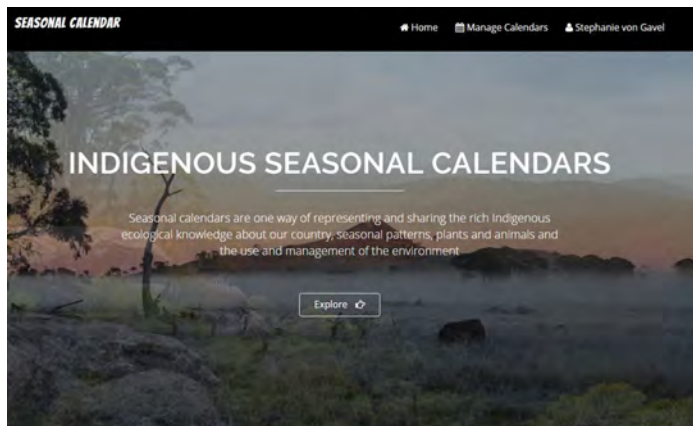


- **bridging** the boundaries between Indigenous Knowledge and western science
- improving the **relevance** of ALA for Indigenous people
- **two-way sharing** of biodiversity information and knowledge
- developing Indigenous protocols and IP policies

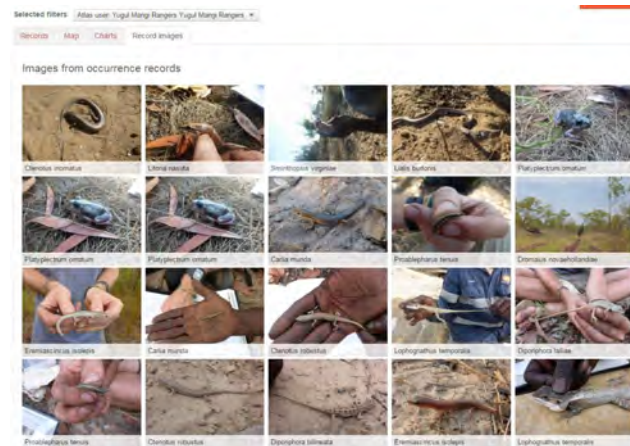
Profiles

Names	Language name: Common names: Scientific name:
What it looks, smells, feels like	
Where it is found	
Food, medicine and other uses	
Connections with people	
Connections with country	
Management issues	
IP statement	

Seasonal Calendar platform



Sightings



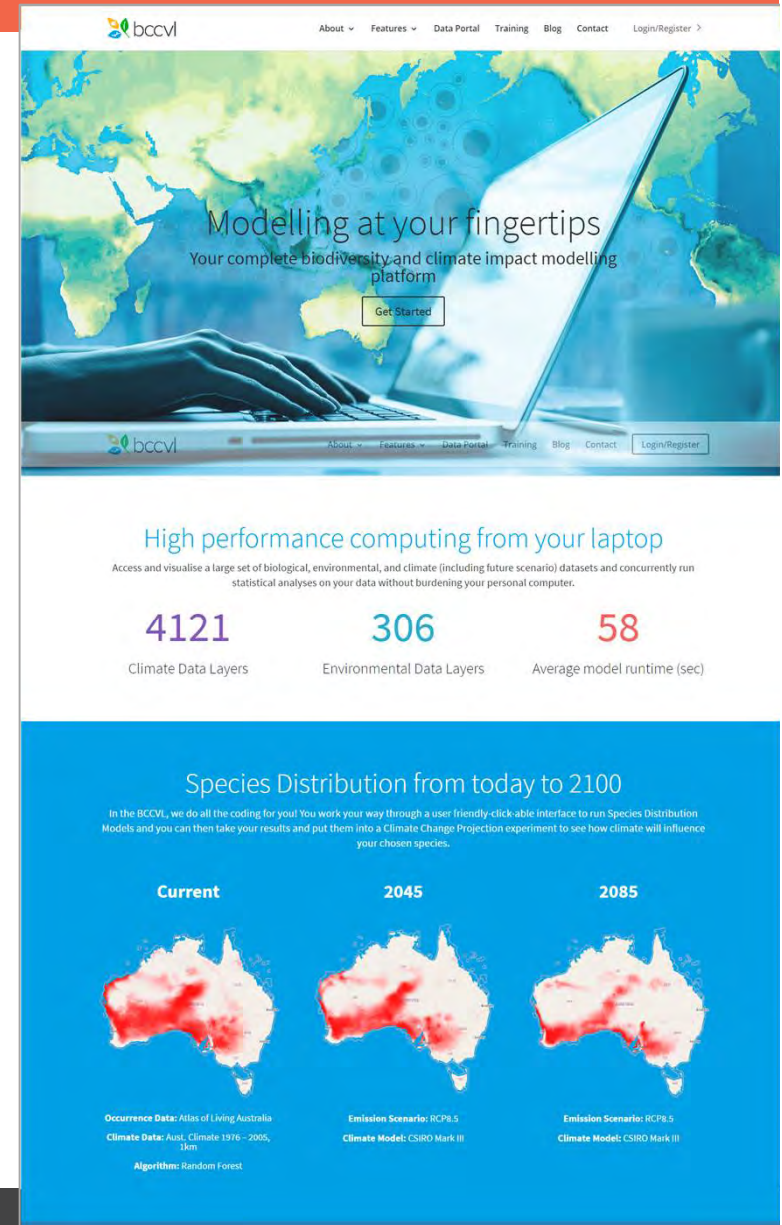
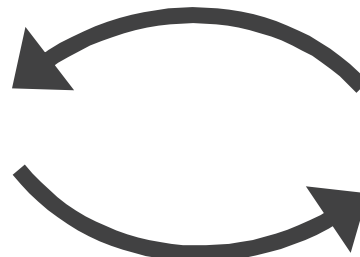
Spatial Layers

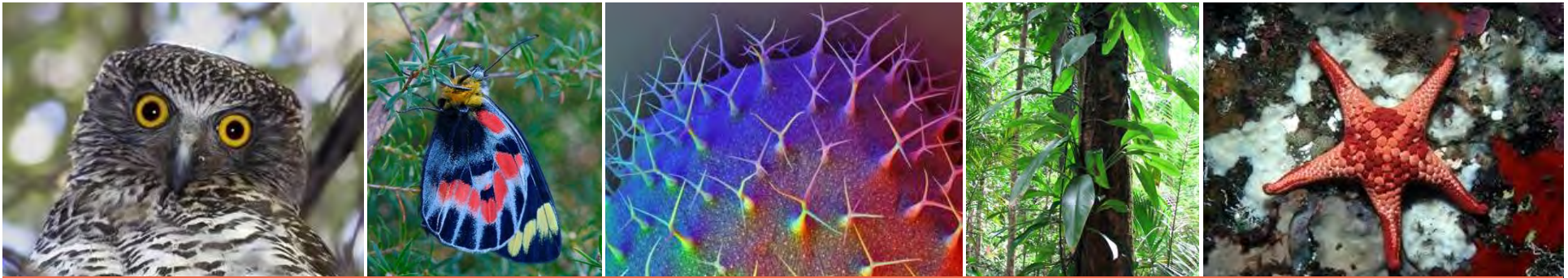


ALA Tools - *HPC Modelling with ALA Data*



- ALA Spatial Portal – modelling & analysis tools
- Teaming up with virtual labs for high performance modelling

A screenshot of the BCCVL (Biodiversity and Climate Change Virtual Laboratory) website. The header includes the BCCVL logo and navigation links: About, Features, Data Portal, Training, Blog, Contact, and Login/Register. The main banner features a world map with a laptop in the foreground, with the text "Modelling at your fingertips" and "Your complete biodiversity and climate impact modelling platform". A "Get Started" button is visible. Below the banner, a section titled "High performance computing from your laptop" states: "Access and visualise a large set of biological, environmental, and climate (including future scenario) datasets and concurrently run statistical analyses on your data without burdening your personal computer." It displays three statistics: 4121 Climate Data Layers, 306 Environmental Data Layers, and 58 Average model runtime (sec). The bottom section, "Species Distribution from today to 2100", explains the process of running Species Distribution Models and visualizing results. It shows three maps of Australia for "Current", "2045", and "2085" scenarios. Below the maps, it lists the data sources: Occurrence Data: Atlas of Living Australia; Climate Data: Aust. Climate 1976 - 2005, 1km; Algorithm: Random Forest; Emission Scenario: RCP8.5; Climate Model: CSIRO Mark III.



www..ala.org.au/biocollect



Sophisticated integrated data collection

Supporting Field Data Capture



ATLAS OF **LIVING**
AUSTRALIA
sharing biodiversity knowledge

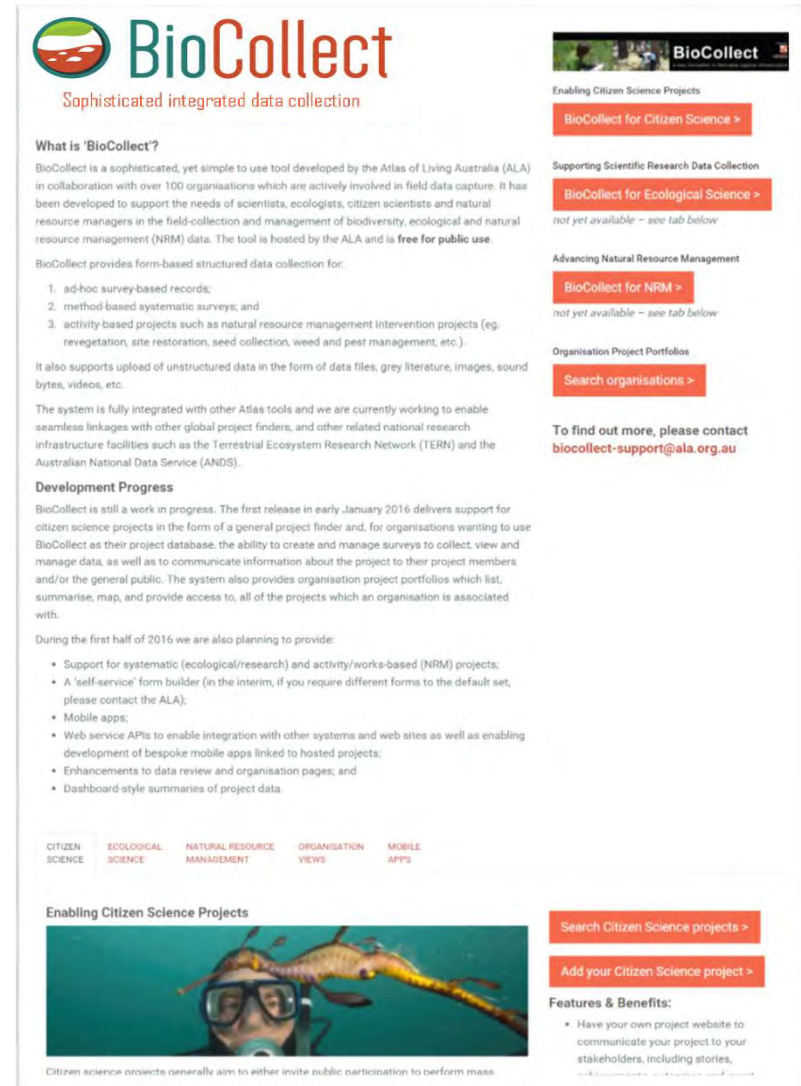
NCRIS

National Research
Infrastructure for Australia
An Australian Government Initiative

The ALA is made possible by contributions from its many partners. It receives support through the Australian Government through the National Collaborative Research Infrastructure Strategy (NCRIS) and is hosted by CSIRO.



- A tool for the public to **discover and connect** with projects
- A tool for project owners to **communicate** their project to the world
- A free ALA hosted universal web app for **recording field data** (structured & unstructured)
- Supports both:
 - **Survey/event based data collection**
 - **Activity/schedule based project structures**
- Hubs for:
 - Citizen Science
 - Ecological Science
 - NRM Works
 - Custom



BioCollect
Sophisticated integrated data collection

What is 'BioCollect'?

BioCollect is a sophisticated, yet simple to use tool developed by the Atlas of Living Australia (ALA) in collaboration with over 100 organisations which are actively involved in field data capture. It has been developed to support the needs of scientists, ecologists, citizen scientists and natural resource managers in the field-collection and management of biodiversity, ecological and natural resource management (NRM) data. The tool is hosted by the ALA and is **free for public use**.

BioCollect provides form-based structured data collection for:

1. ad-hoc survey-based records;
2. method-based systematic surveys; and
3. activity-based projects such as natural resource management intervention projects (eg. revegetation, site restoration, seed collection, weed and pest management, etc.).

It also supports upload of unstructured data in the form of data files, grey literature, images, sound bytes, videos, etc.

The system is fully integrated with other Atlas tools and we are currently working to enable seamless linkages with other global project finders, and other related national research infrastructure facilities such as the Terrestrial Ecosystem Research Network (TERN) and the Australian National Data Service (ANDS).

Development Progress

BioCollect is still a work in progress. The first release in early January 2016 delivers support for citizen science projects in the form of a general project finder and, for organisations wanting to use BioCollect as their project database, the ability to create and manage surveys to collect, view and manage data, as well as to communicate information about the project to their project members and/or the general public. The system also provides organisation project portfolios which list, summarise, map, and provide access to, all of the projects which an organisation is associated with.

During the first half of 2016 we are also planning to provide:

- Support for systematic (ecological/research) and activity/works-based (NRM) projects;
- A 'self-service' form builder (in the interim, if you require different forms to the default set, please contact the ALA);
- Mobile apps;
- Web service APIs to enable integration with other systems and web sites as well as enabling development of bespoke mobile apps linked to hosted projects;
- Enhancements to data review and organisation pages; and
- Dashboard-style summaries of project data.

Enabling Citizen Science Projects

Citizen science projects generally aim to either invite public participation to perform mass

Search Citizen Science projects >

Add your Citizen Science project >

Features & Benefits:

- Have your own project website to communicate your project to your stakeholders, including stories, photographs, videos and more.

ACSA

Public communities

Local & State Govt.

NRM orgs

Research Orgs

NGO's

Schools



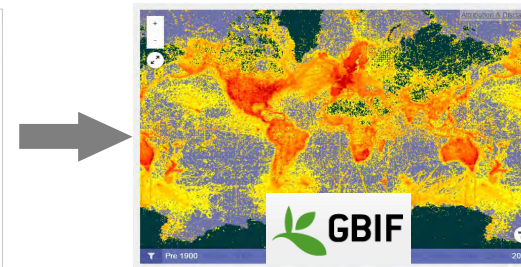
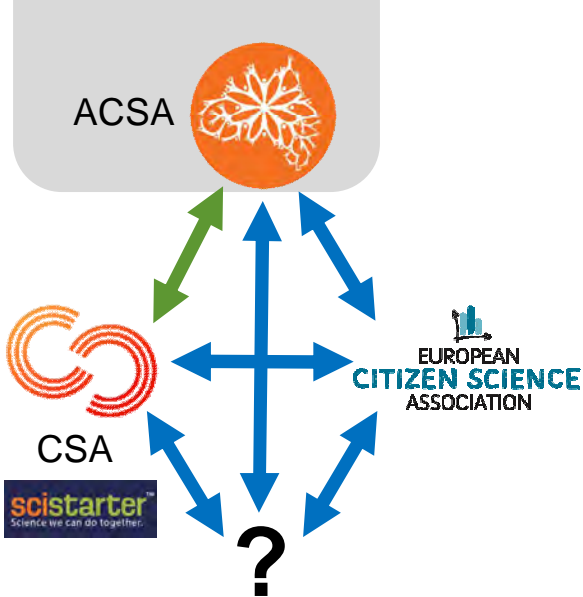
Project Finder



Common & Significant Species



Invasives



PPSR-Core

TDWG

CODATA-WDS

Emerging Standards

Ecological Consultants

Government Researchers

Universities



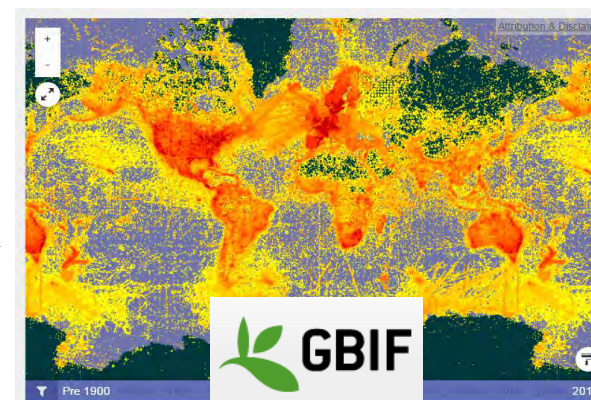
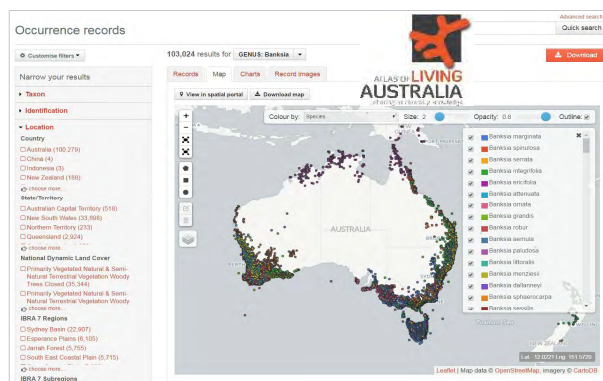
Ecological Surveys & Monitoring



Vegetation Condition



Marine Research



Ecological Consultants

Planning & Development Industry

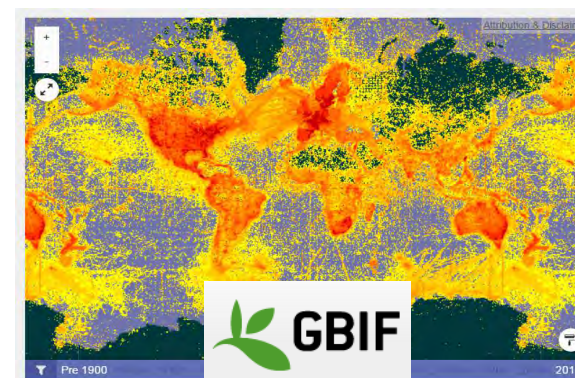
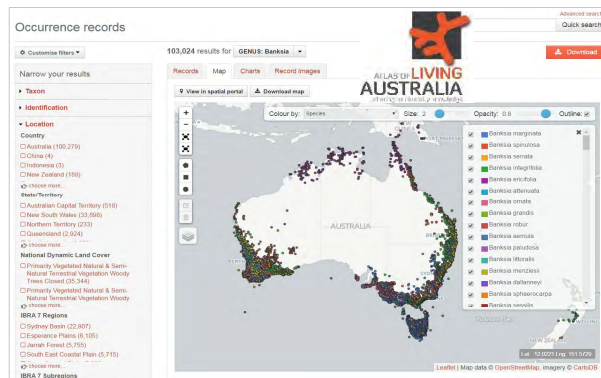
Mining & Extractives Industry



Ecological Inventory & Assessment



Impact Monitoring



Public communities

Land holders/managers

NGO's

Govt.

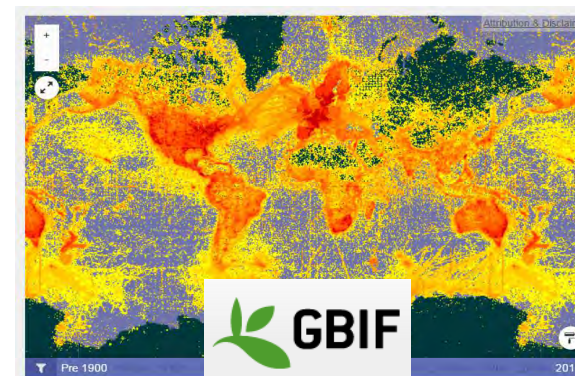
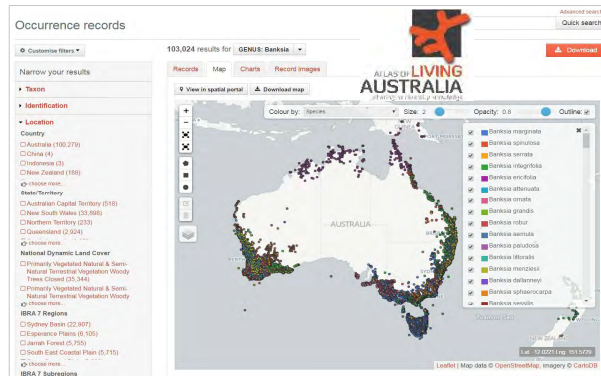
Developers



Invasives Management





Rehabilitation & Restoration




- Thematic Hubs
- Different home page templates
- Configuration driven


Home | Add your project | My projects | My data | Logout | Admin

bio blitz 








The Australian BioBlitz Hub

Found 20 projects. 


Filter results


▼ Refine:  Overall


+ Organisation 


▼ Status 


Active


 **DUNGOG DOZEN BIOBLITZ**
Started 22 months ago


 **LIVING LINKS: VALUING BIODIVERSITY IN SOUTH-EAST...**
Started 10 months ago


 **Cobbler Creek BioBlitz**
COBBLER CREEK BIOBLITZ 2016
Started 8 months ago


 **Warriparinga BioBlitz**
WARRIPARINGA BIOBLITZ 2016
Started 8 months ago

 **TRUNK CREEK BIOBLITZ**
TRUNK CREEK BIOBLITZ
Started 11 years ago

 **MELBOURNE BIOBLITZ 2016**
Started 14 years ago

 **St Kilda BioBlitz**
ST KILDA MANGROVES BIOBLITZ
Started 12 years ago

 **SEEDBANK PARTNERSHIP**



Data Hub


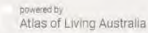
Record new collection event

Add new stock to Seed Bank

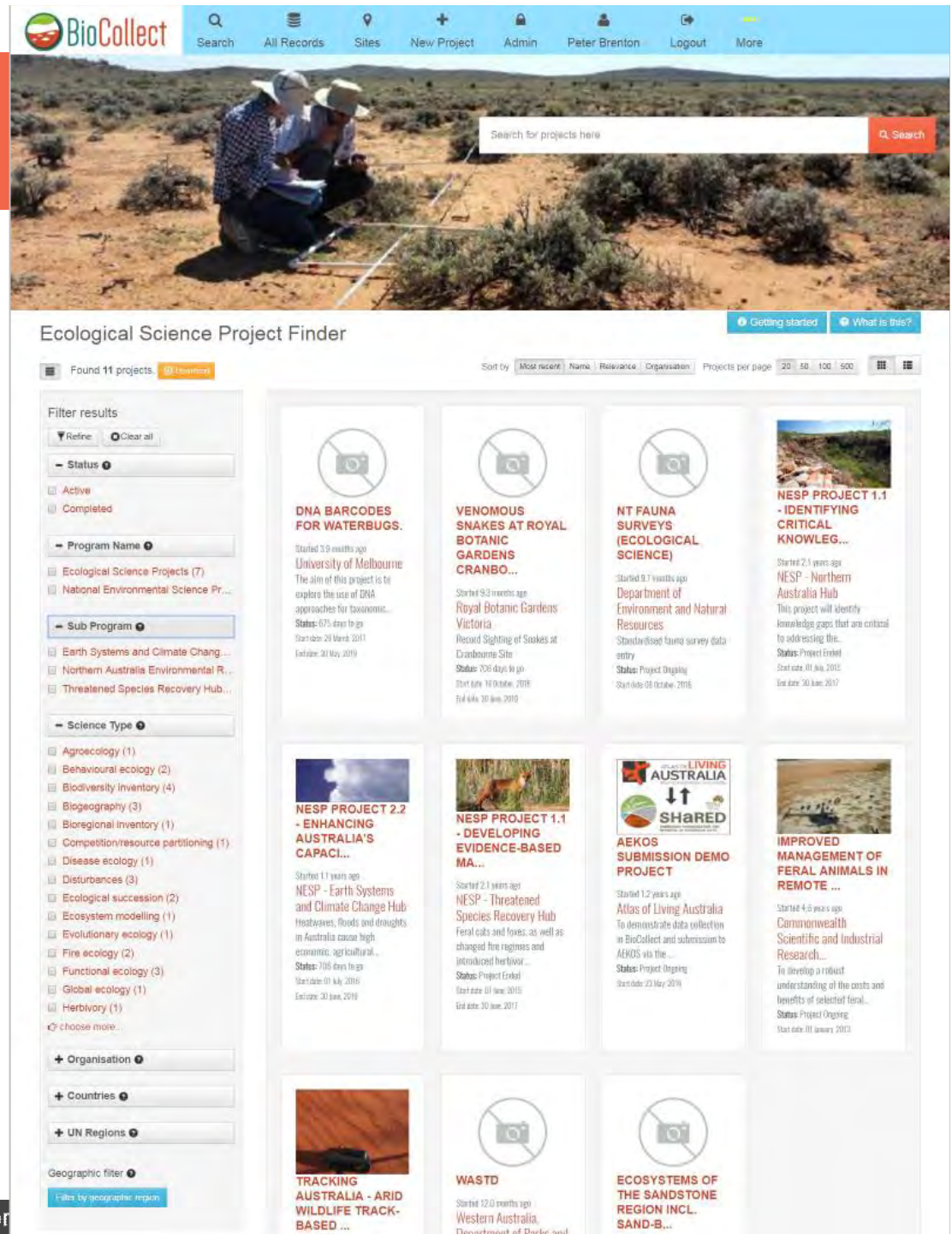
Record batch treatment results

The Australian Seed Bank

Harvest, Storage & Treatment Data

Contact  powered by 

- Supporting systematic method-based ecological surveys



The screenshot displays the BioCollect website's 'Ecological Science Project Finder' page. The top navigation bar includes links for Search, All Records, Sites, New Project, Admin, Peter Brenton, Logout, and More. A search bar is prominently featured with the text 'Search for projects here'. Below the navigation bar is a large banner image showing three people in a field setting. The main content area is titled 'Ecological Science Project Finder' and shows 'Found 11 projects'. A sidebar on the left provides filtering options for Status (Active, Completed), Program Name (Ecological Science Projects (7), National Environmental Science Pr...), Sub Program (Earth Systems and Climate Chang..., Northern Australia Environmental R..., Threatened Species Recovery Hub...), Science Type (Agroecology (1), Behavioural ecology (2), Biodiversity inventory (4), Biogeography (3), Bioregional inventory (1), Competition/resource partitioning (1), Disease ecology (1), Disturbances (3), Ecological succession (2), Ecosystem modelling (1), Evolutionary ecology (1), Fine ecology (2), Functional ecology (3), Global ecology (1), Herbivory (1), choose more...), Organisation, Countries, UN Regions, and Geographic filter. The main area displays a grid of project cards, each with a title, a brief description, and a status indicator. The projects listed include: DNA BARCODES FOR WATERBUGS, VENOMOUS SNAKES AT ROYAL BOTANIC GARDENS CRANBO..., NT FAUNA SURVEYS (ECOLOGICAL SCIENCE), NESP PROJECT 1.1 - IDENTIFYING CRITICAL KNOWLEG..., NESP PROJECT 2.2 - ENHANCING AUSTRALIA'S CAPAC..., NESP PROJECT 1.1 - DEVELOPING EVIDENCE-BASED MA..., AEKOS SUBMISSION DEMO PROJECT, IMPROVED MANAGEMENT OF FERAL ANIMALS IN REMOTE ..., TRACKING AUSTRALIA - ARID WILDLIFE TRACK-BASED ..., WASTO, and ECOSYSTEMS OF THE SANDSTONE REGION INCL. SAND-B....



Hubs

Thematic hubs with
spatially constrained
scope

The Australian Biocontrol Hub

Home | Target species | Data | Logout | Admin

bio control hub

research & action in partnership

Record Sightings of BioControl Agents

What is Biological Control?

Related web sites

What to look for - Identifying BioControl Agents

How can I get involved?

Downloadable Materials

Found 22 projects

Filter results

▼ Refine ○ Clear all

+ Status

+ Organisation

Geographic filter

Filter by geographical region

Sort by: Most recent Name Relevance Organisation Projects per page: 20 50 100 500 Projects from: Australia Global

BIOCONTROL OF BLUE HELIOTROPE

Started 37.6 years ago
Australian BioControl Hub
Record observations of blue heliotrope biocontrol agents and help implement b...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF RAGWORT

Started 37.6 years ago
Australian BioControl Hub
Record observations of ragwort biocontrol agents and help implement ragwort b...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF TUTSAN

Started 37.6 years ago
Australian BioControl Hub
Record observations of tutsan biocontrol agents and help implement tutsan bio...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF ST JOHN'S WORT

Started 37.6 years ago
Australian BioControl Hub
Record observations of St John's wort biocontrol agents and help implement St...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF CAPE BROOM

Started 37.6 years ago
Australian BioControl Hub
Record observations of Cape broom biocontrol agents and help implement Cape b...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF HOREHOUND

Started 37.6 years ago
Australian BioControl Hub
Record observations of horehound biocontrol agents and help implement horehou...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF PATERSON'S CURSE & VIPER'S BUGLOSS

Started 37.6 years ago
Australian BioControl Hub
Record observations of Paterson's curse and Viper's bugloss biocontrol agents...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF MADEIRA VINE

Started 37.6 years ago
Australian BioControl Hub
Record observations of Madeira vine biocontrol agents and help implement Made...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF CAT'S CLAW CREEPER

Started 37.6 years ago
Australian BioControl Hub
Record observations of cat's claw creeper biocontrol agents and help implement...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF PARTHENIUM

Started 37.6 years ago
Australian BioControl Hub
Record observations of parthenium biocontrol agents and help implement parthe...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF VARIEGATED THISTLE

Started 37.6 years ago
Australian BioControl Hub
Record observations of variegated thistle biocontrol agents and help implement...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF NODDING THISTLE

Started 37.6 years ago
Australian BioControl Hub
Record observations of nodding thistle biocontrol agents and help implement n...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF SLENDER THISTLES

Started 37.6 years ago
Australian BioControl Hub
Record observations of Slender thistles biocontrol agents and help implement ...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF ONOPORDUM THISTLES

Started 37.6 years ago
Australian BioControl Hub
Record observations of onopordum thistles biocontrol agents and help implemen...
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF BONESEED

Started 37.6 years ago
Australian BioControl Hub
Boneseed biocontrol
Status: Project Ongoing
Start date 01 January, 1980

BIOCONTROL OF DOCKS


Started 37.6 years ago
Australian BioControl Hub
Record observations of dock biocontrol agents and help implement dock biocont...
Status: Project Ongoing
Start date 01 January, 1980

For online access to Australia's biodive

- Organisationally constrained hubs

Home | Search Projects | Add a Project | View Data | Logout | Admin

Search for projects here


Parks VICTORIA
Healthy Parks Healthy People®

Parks Victoria Projects Catalogue

Found 32 projects

Sort by: Most recent Name Relevance Organisation Projects per page: 20 50 100 200

Filter results

Project Types

- ☐ Citizen Science (1)
- ☐ MERIT Projects (25)

Program Name

- ☐ Biodiversity Fund (1)
- ☐ National Geographic Projects (0)
- ☐ Green Army (24)


Status

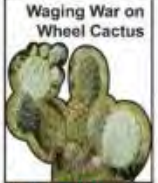
- ☐ Active
- ☐ Completed


Organisation


- ☐ Unknown (1)
- ☐ Co-Act (2)
- ☐ Conservation Volunteers Australia (22)
- ☐ Friends of Brisbane Ranges (1)
- ☐ Museum Victoria (1)
- ☐ Parks Victoria (30)
- ☐ Terrangower Cactus Control Group (1)
- ☐ Victorian National Parks Association (1)


Geographic filter



TRAIL CAMERA MONITORING
Started 20 months ago
Parks Victoria
To investigate the use of trail cameras and to monitor forest and native fauna.
Status: Project Canceled
Last modified: May 2011
Updated: 21 Nov 2017



WAGING WAR ON WHEEL CACTUS
WHEEL CACTUS MAPPING AND BIOLOGICAL CONTROL IN ...
Started 13 months ago
Terrangower Cactus Control Group
This project has two aims - Map the location of Wheel Cactus (Rhopileidobotrya) and...
Status: Project Ongoing
Started: 10 Nov 2017



SEA SEARCH
SEA SEARCH FOR SCHOOLS
Parks Victoria
To promote participation of students in monitoring activities within Victoria...
Status: Started 7 days
Started: 18 Aug 2017


LEADBEATER POSSUM PROJECT
Parks Victoria
Status: Started 20 days
Started: 10 Oct 2016
End: 31 Aug 2016


HELMETED HONEY EATER PROJECT
Started 14 days ago
Parks Victoria
Status: 123 days ago
Started: 17 July 2017
Updated: 20 Nov 2017


TERRICK TERRICK NATIONAL PARK BIODIVERSITY APPL...
Started 78 months ago
Parks Victoria
To collect all the individual species records within Terrick Terrick National Park...
Status: Project Ongoing
Started: 31 December 2005


VICTORIAN NATIONAL PARKS ASSOCIATION
The part of nature
REEFWATCH - GREAT VICTORIAN FISH COUNT
Started 11 months ago
Victorian National Parks Association
The Great Victorian Fish Count aims to help passionate people take part in it.


CAMERA TRAPS IN THE BRISBANE RANGES NP
Started 23 years ago
Friends of Brisbane Ranges
Provide updated data on the presence of fauna species in the Brisbane Ranges...
Status: Project Ongoing
Started: 24 January 2001



Project creation made easy!

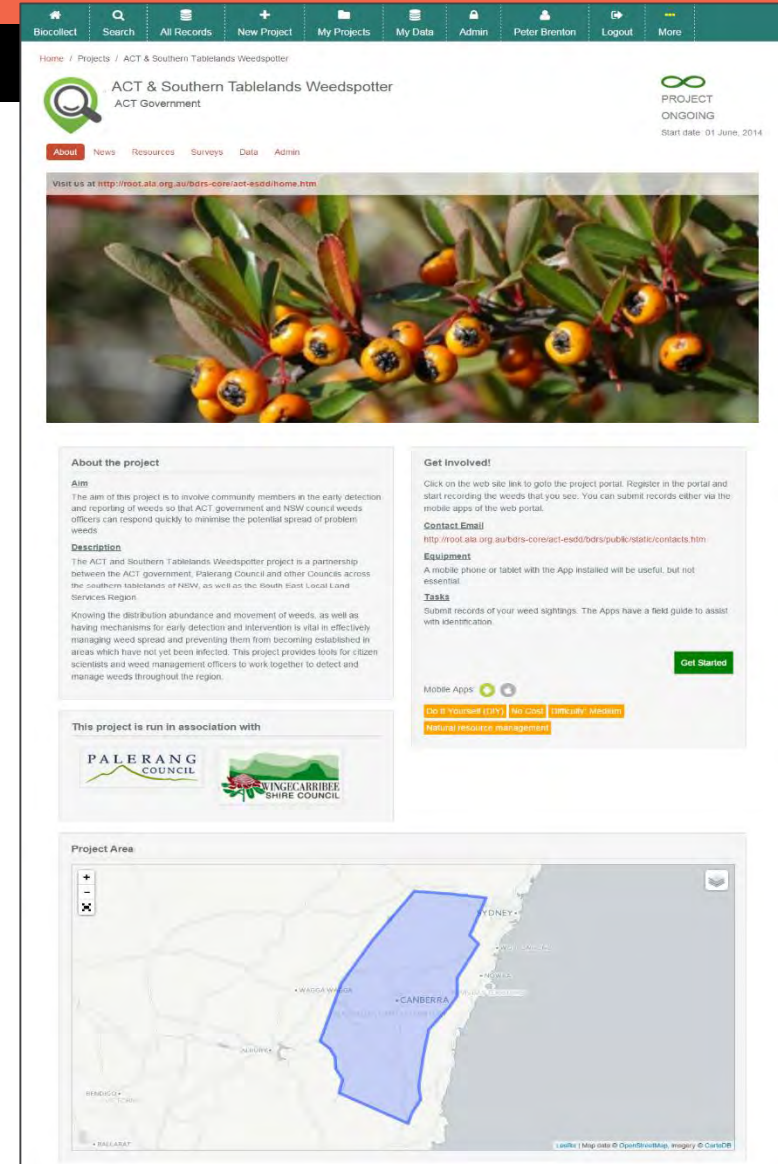


Some Key Features:

- **Create projects** – simple self-serve
 - **Choice** to use BioCollect to record data or not
 - Internal (BioCollect for collecting data)
 - External (data collected in other system)
- **Control your own project** - all content maintainable by project owners
- Graphics for **visually appealing** projects
- Filter tags to **enhance searching**
- **Linked** to ALA services & other key systems

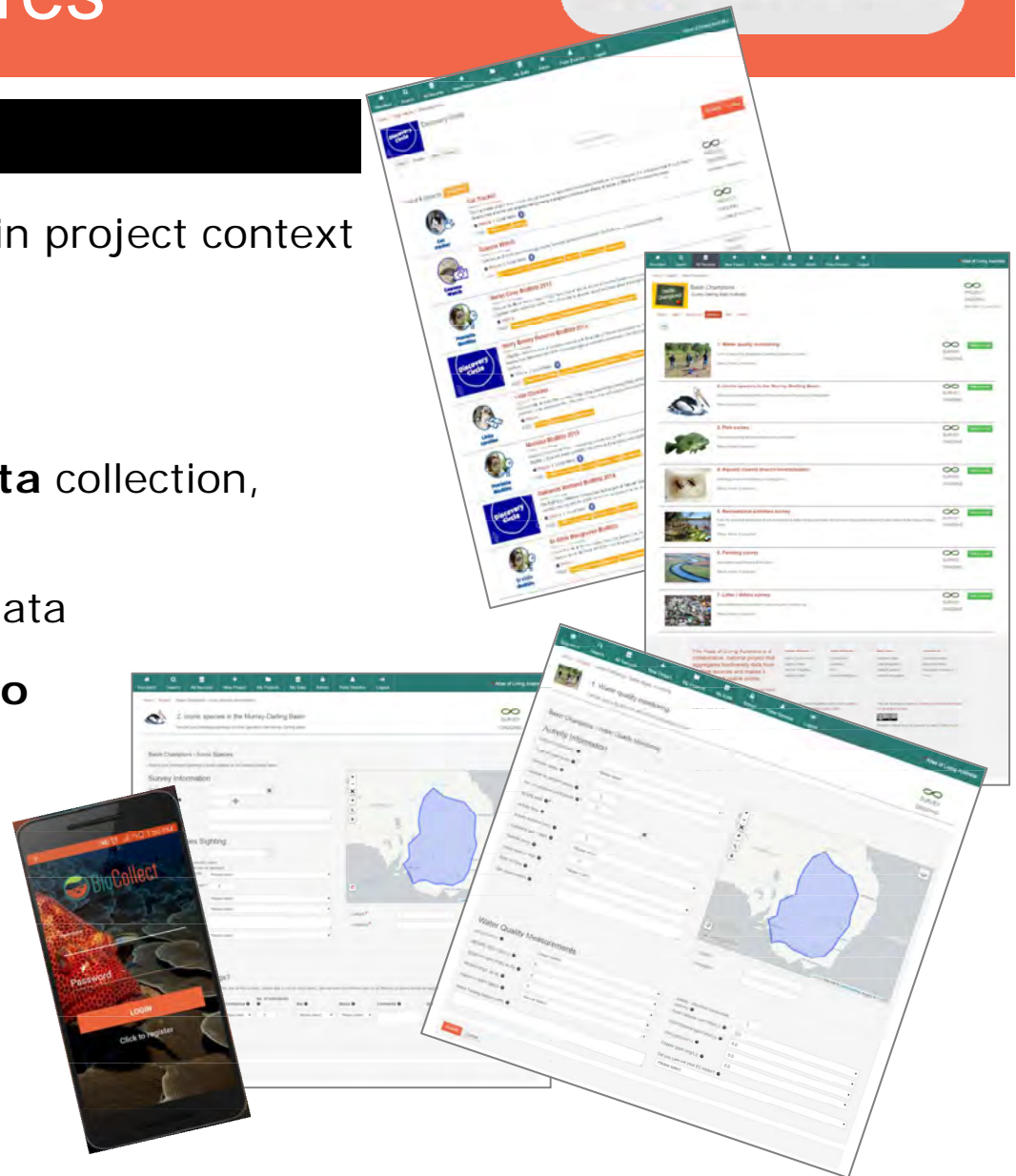
Project & survey set-up made easy

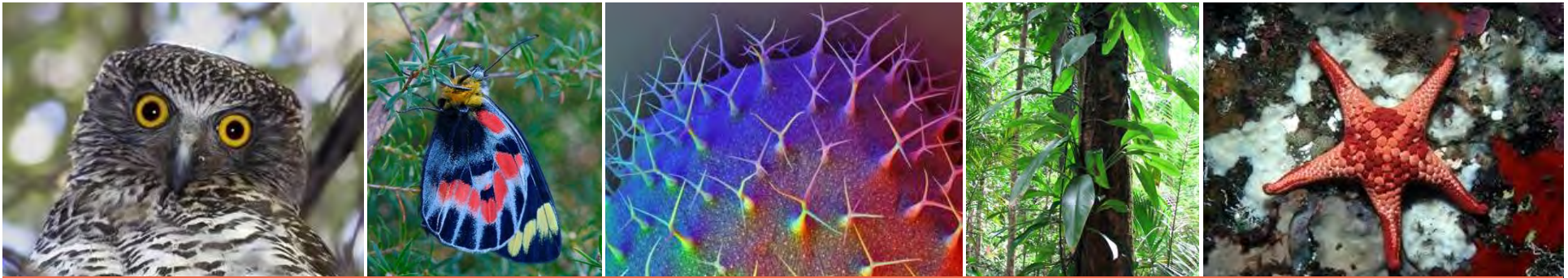
- All content **maintainable** by project owners
- Individually **configurable surveys**
- **Access** all project info from single page:
 - Survey forms
 - Mobile apps
 - Social media pages
 - Blogs
 - Email contact
 - Partner organisations
 - Project data
 - Project area/coverage
 - Project related resources
 - Organisation page
- **Manage who has access to surveys** - members only or public
- One project: many surveys



And more ...

- **Survey based data collection** in project context
- **Flexible** survey configuration
- **Customisable forms**
- **Structured + unstructured data** collection, storage & download
- **Site-base context** for viewing data
- **Organisation projects portfolio**
 - Project list & map
 - Data summary/access/download
- **Multi-hub support**
- **API supported**
- **Mobile ready**
- **Global** project discovery





www.ala.org.au

Thank you

www.ala.org.au



NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative

www.ala.org.au/biocollect