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The Atlas of Living Australia www.ala.org.au

Ecological Society of Australia Conference Hobart, 20-25 November 2011



The Atlas is funded by the Australian Government under the National Collaborative Research Infrastructure Strategy and further supported by the Super Science Initiative of the Education Investment Fund



The Atlas of Living Australia Participants

Tasmanian Museum queensland museum Queensland & Art Gallery Tasmania museum Government www.gm.gld.gov.au **MUSEUM**VICTORIA ore the possibilitie ustralian Government Australian Government Department of Agriculture, Department of the Environment, **Fisheries and Forestry** Water, Heritage and the Arts ABRS CSIRO The University of Adelaide Southern Cross UNIVERSITY A new way to think South Australian Museum museum AND ART Northern NORTHERN Territory Government The Council of Heads of Australian The Council of Heads of Australasian Faunal Collections (CHAFC) Collections of Microorganisms (CHACM) The Council of Heads of Australian The Council of Australasian Museum Entomological Collections (CHAEC) Directors (CAMD)

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The Atlas is funded by the Australian Government under the National Collaborative Research Infrastructure Strategy and further supported by the Super Science Initiative of the Education Investment Fund

An Australian Government Initiative

National Collaborative Research Infrastructure Strategy

The Atlas of Living Australia Offers



- A huge array of information on Australian species and ecology, freely accessible on a single website.
- All species, all data types, online. Work in progress.
- Tools for recording and managing field-based sightings and surveys, with the ability to upload photos.
- Mission

 To develop an authoritative, freely accessible, distributed and federated biodiversity data management system.

Data, Information and Tools



- 170,000 species pages
- Species biology, ecology, status
- 25 million+ distribution records
- Mapping tools
- Photos and images
- Names and classification
- Identification tools
- Heritage literature
- Data on biological collections
- Citizen science and education add sightings & data
- Volunteer involvement.

Atlas Site Homepage





170,000+ Species Pages





The Broiga is quite unmistakable in southern Australia. (Australia's only other crane, the Sarus Crane, is found only in far northern Australia.) It is a huge bird - one of Australia's largest flying birds - standing 1.3 metres tall with a wingspan of nearly 2.5 metres. It is pale bright grey with a broad band of bare red skin from the beak round the nape of the neck and a black dewlap under the chin. ...

sounce: Department of Environment and Conservation - NSW threatened species @

The full-grown Brolga is a tail, mid-grey to silver-grey crane , 0.7–1.3 m (3.3–4.3 ft) high, with a wingspan of 1.7–2.4 m (5.6–7.9 ft), and a broad red band extending from the straight, bone-coloured bill around the back of the head. Juveniles lack the red band. Adult males average at a little under 7 kg (15 lb.), females a little under 6 kg (13 lb)....

SOURCE WRIDEDIA dF

170,000+ Species Pages



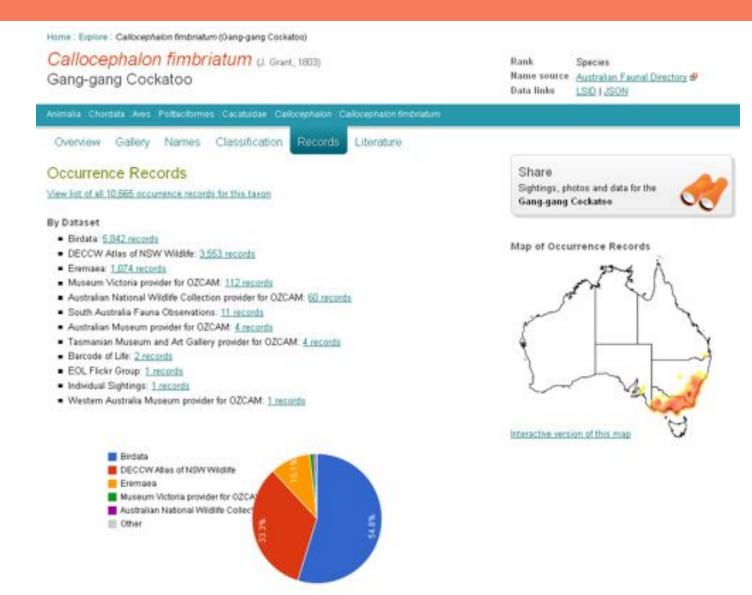


Evenophila is a large genus of 214 species, all endertic to Australia. They are generally plants of island and and and area and are popular eith Australian plant enthusiants.

terri an high R. Bart Image Index #

25 Million+ Occurrence Records





25 Million+ Occurrence Records



Home : Explore : Occurrence Records

Occurrence Reco	ords			View as Ma	p Downlos
Refine results	10,665 results returned for species: Callocept	halon fimbriatum :	Gang-gan	g Cockatoo	
Record Type	Results per page 20 M	Sort by	best match	Sort order	normal 💌
Observation (10,481) Specimen (183) Uningsem (1)	Record: <u>180739974</u> — Species: Callocephalon fimbria Dataset Western Australia Nuseum Provider For OZCAM Re				
Specimen Type	Record: 182031675 — Species: Callocephalon fimbriatum Gang-gang Cockatee				
NotA Type (58)	Dataset Eremaea Record Type: Observation Record Date	1997-01-26 State: VIC			
Not Applicable (1)	Record: 182031676 - Species: Callocephalon fimbria	tum Gang-gang Cockato			
Dataset	Dataset Eremaea Record Type Observation Record Date	2001-04-29			
Bindada (5,842) DECCW Atlas Of NSW Wilding (3,553)	Record: <u>182031677</u> — Species: Callocephaton fimbria Dataset Eremaea Record Type: Observation Record Data		•		
Eremana (1,074) Museum Victoria Provider For OZCAM (112)	Record: 182031678 — Species: Callocephalon fimbria Dataset Eremaea Record Type Observation Record Date		•		
+ Show More	Record: 182031679 - Species: Callocephalon fimbria	tum Gang-gang Cockato	•		
State/Territory	Dalaset Eremaea Record Type Observation Record Date	1997-04-15 State ACT			
New South Wales (5,260) Victoria (4,853) Australian Capital Territory (341)	Record: <u>182031680</u> — Species: Callocephaton fimbria Dataset Eremaea Record Type Observation Record Data		•		
South Australia (13) • Show More	Record: 182031681 — Species: Callocephalon fimbria Dataset Eremaea Record Type Observation Record Date		•		
Biogeographic Region	Record: 192031682 - Species: Callocephalon fimbria	tum Gang-gang Ceckate			
South Eastern Histolands (3,057) Sotow Basin (2,714)	Dataset Eremaea Record Type Observation Record Date				
South East Comer (1.254) South East Coastal Fram (1.116) + Show More	Record: 182931683 — Species: Callocephalon fimbria Dataset Eremaea Record Type Observation Record Data				

A Single Occurrence Record



Home : Explore : Occurrence Record - 180739974

Occurrence Record Details: 180739974

Dataset	S Arnotate Da
Data Provider	OZCAM (Online Zoological Collections of Australian Museums) Provider
Data Set	Western Australia Museum provider for OZCAM
Institution	Western Australian Museum. Institution Code: "WAM"
Collection	Western Australian Museum Bird Collection Collection Code: "AVIF"
Catalogue Number	172
Basis of Record	specimen Supplied as: "preservedSpecimen"
Comments	[0 comments]

Matel



Possible Issues

Data validation tools identified the following possible issues

Logged in as Lionald Hobernigicsire au

· Miscellaneous issues: country inferred from coordinates.

Location of record

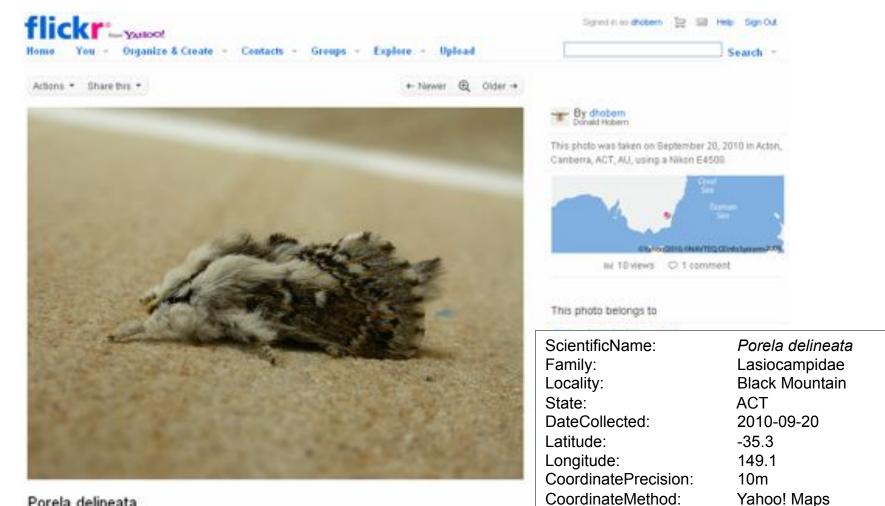


Taxonomy

Scientific Name	Callocephalon fimbriatum	
Taxon Rank	Species	
Common Name	Gang-gang Cockatoo	
Kingdom	Animaka	
Phylum	Chordata	
Class	Aves	
Order	Paittaciformea	
Family	Cacatuidae Supplied as "PS/ITTACIDAE"	
Genus	Callocephalon	

Records from Field Observations





TypeStatus:

Porela delineata Porela delineata (Walker, 1855), Black Mountain, Canterra, ACT, 20 September 2010

Sharing biodiversity knowledge to shape our future

None

Records from Specimens





Filman of ALICEPTIAL MA AUSTRALIAN NATIONAL HERBARAN (CANS)

SCROPHERAPIACERE

Derwentig derweintigen (heltowick-b.O.Briggs 5.Browel taken, dersertland

met B.J. Logiachi 1900.

AUSTRALIA: New South Wales

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B.J. Lepechi 4104 & J.R. Corners

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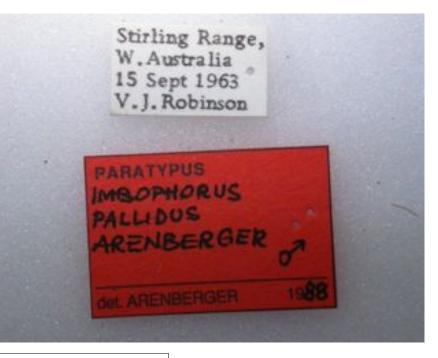


ScientificName: Family:	<i>Derwentia derwentiana</i> Scrophulariaceae
Locality:	0.4 km E of Coryah Gap
State:	NSW
DateCollected:	1998-12-12
Latitude:	-30.3
Longitude:	150.1
CoordinatePrecision:	200m
CoordinateMethod:	Paper map
TypeStatus:	None

Records from Specimens







ScientificName:	Imbophorus pallidus
Family:	Pterophoridae
Locality:	Stirling Range
State:	WA
DateCollected:	1963-09-15
Latitude:	-34.3
Longitude:	118.0
CoordinatePrecision:	10000
CoordinateMethod:	Google Earth
TypeStatus:	Paratypus



- 300+ layers for mapping and analysis, including rainfall, temperature, substrate, hydrology, fire, political and vegetation.
- Suite of powerful mapping tools.

Species in Your Local Area



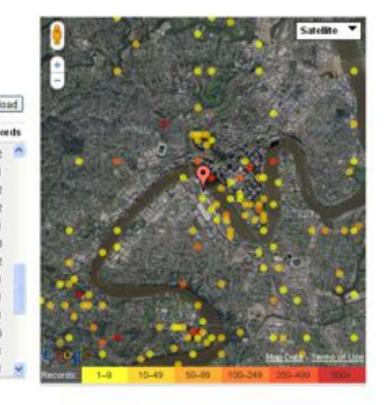


Home: Explore: Your Area

Explore Your Area

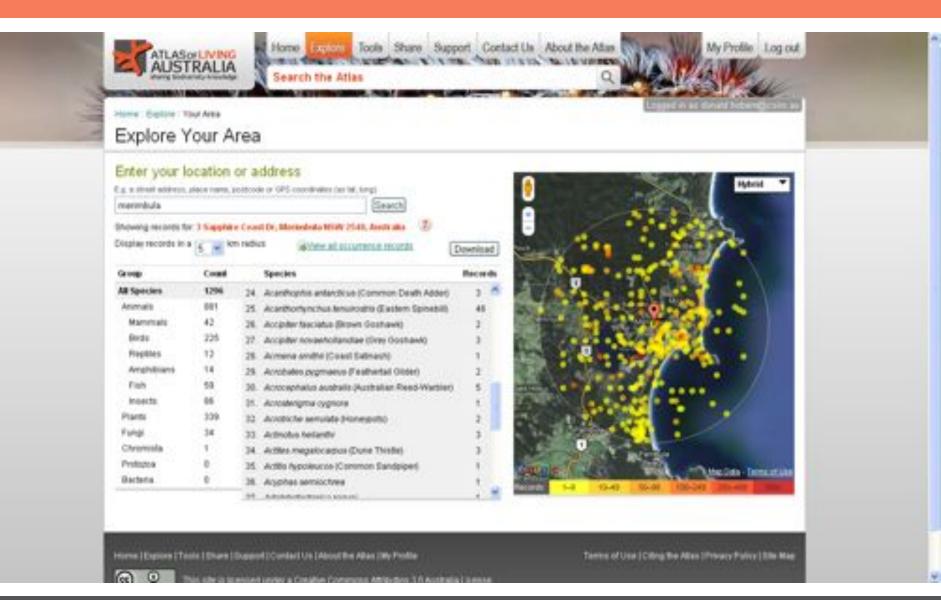
Enter your location or address

E.g. a street address, p	lace name,	postcode	or GPS coordinates (as lat, long)		
Queensland muse	um, brisbi	ane	Search		
Showing records for	74 Stanle	ty St, So	uth Brisbane OLD 4101, Australia 🕧		
Display records in a	5 ¥ k	m rədiu:	s Wew all occurrence records	Downlos	id.
Group	Count		Species	Recor	ds
All Species	2947	28.	Acacia podalynifolia (Mount Morgan Wattie)	2	-
Animals	1551	29.	Acacia spectabilis (Glory Wattle)	1	
Mammals	12	30.	Acacia suaveolens (Sweet Wattle)	2	
Birds	219	31.	Acacia ulicifolia (Prickly Moses)	2	
Reptiles	-40	32.	Acalypha australis	1	
Amphibians	28	33.	Acalypha nemorum	в	
Fish	42	34.	Acanthiza chrysomhoa (Yellow-rumped Thombill)	2	
Insects	1110	35.	Acanthiza pusille (Brown Thombill)	1	
Plants	1139	36.	Acanthiza reguloides (Buthrumped Thombill)	1	
Fungi	82	37.	Acanthopagrus avotrailo (Yellowfin Bream)	1	
Chromista	0	38.	Acanthophis antarcticus (Common Death Adder)	6	
Protozo a	1	39.	Acanthopsylla pavida	1	
Bacteria	0	40.	Acanthorhynchus lenuirostris @astern Spinebill)	1	×



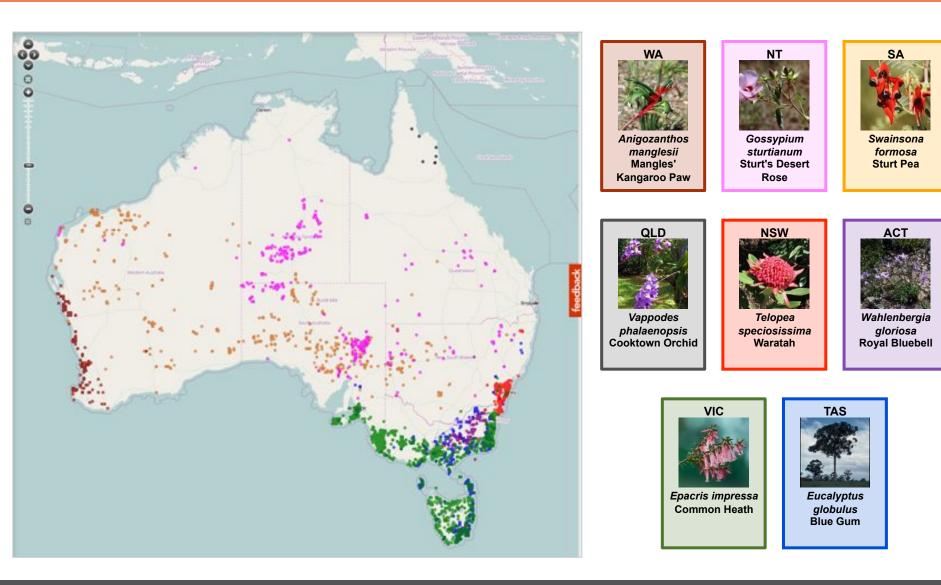
Species in Your Local Area





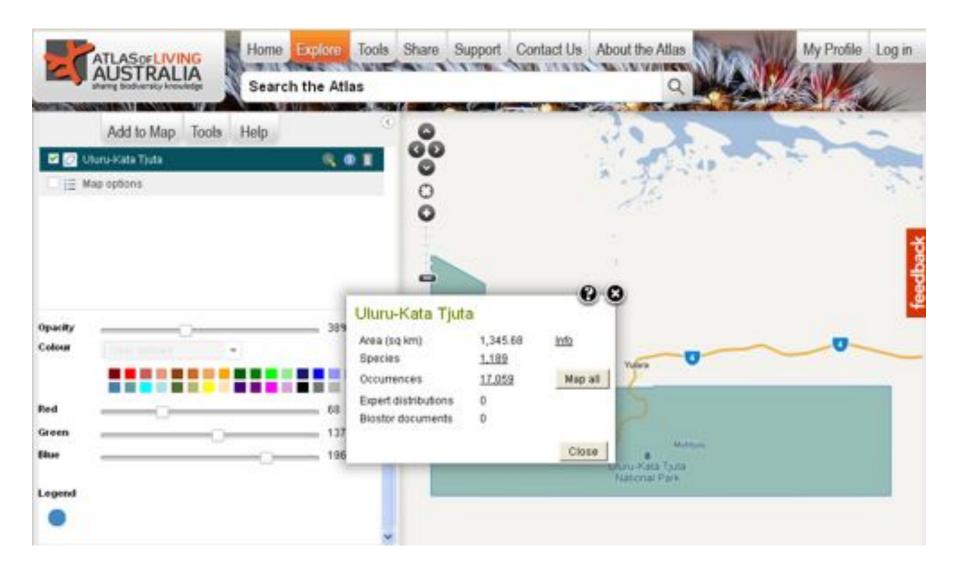
Where is Each Species Found?





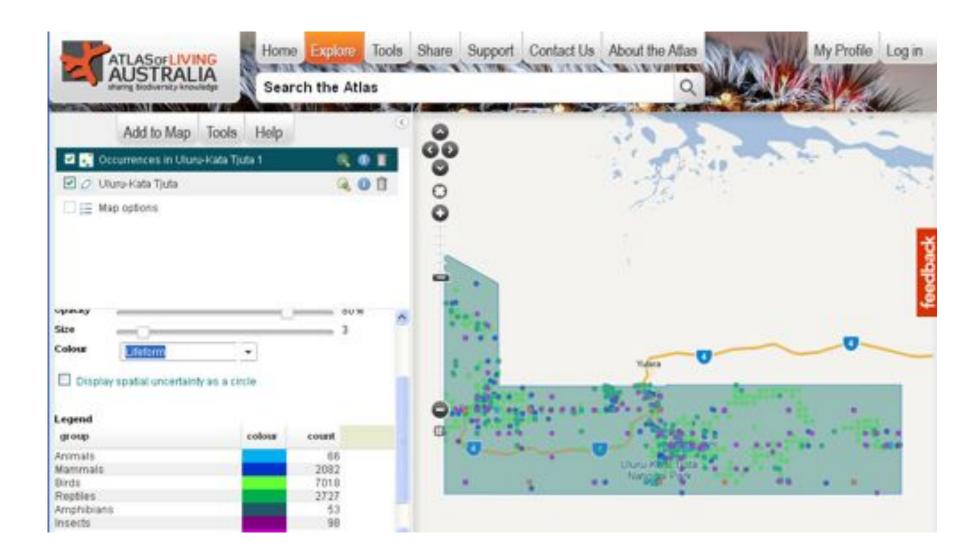
Map Species – Define Area





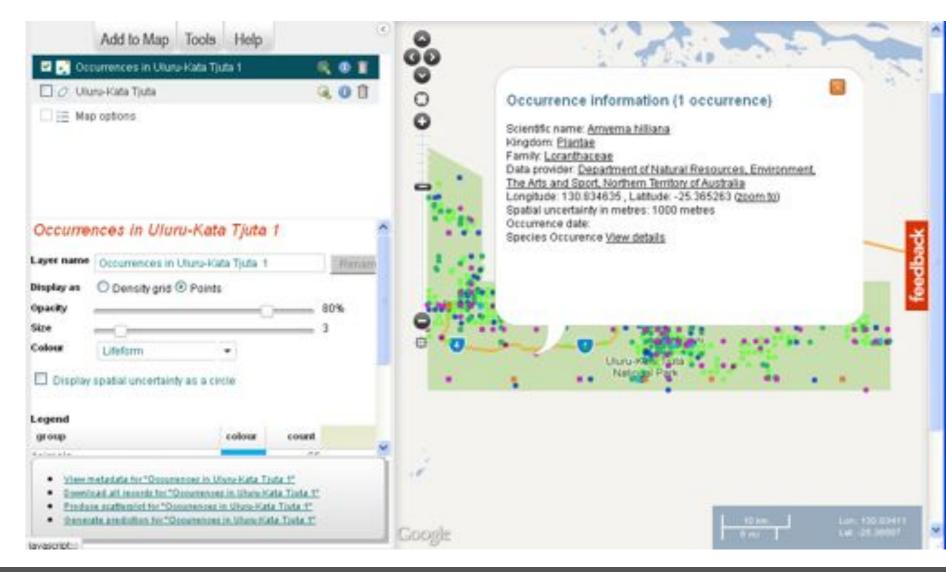
Map Species – All Species





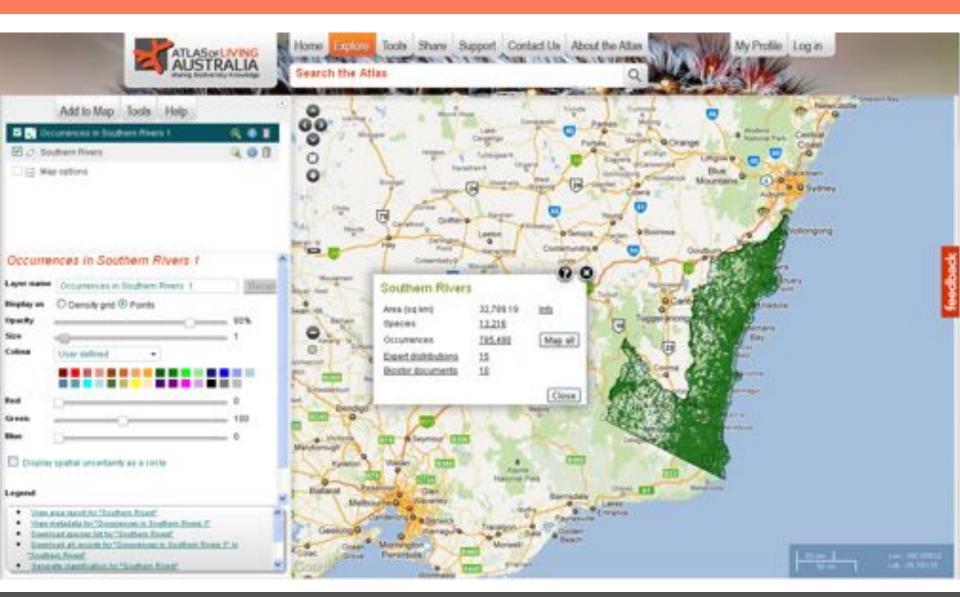
Click to See Occurrence Details



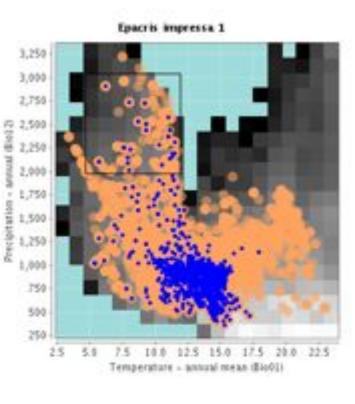


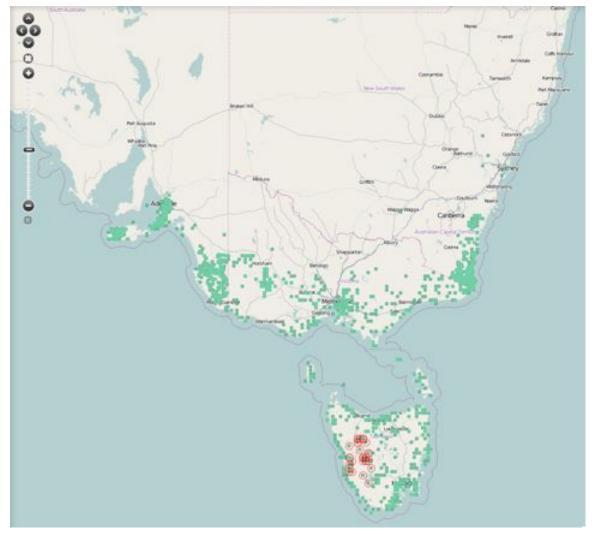
Map Regional Information





Environmental Mapping - Layers





ATLAS OF LIVING AUSTRALIA

Niche modelling



Maxent model for Epacris impressa

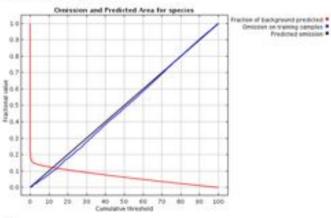
This <u>Maxent</u> v3.3.3a predictive model for Epactic impresses was created Pri Jul 29.13.27.52 EST 2011. Links at the bottom of this page to the raw data may be used for flather analysis.

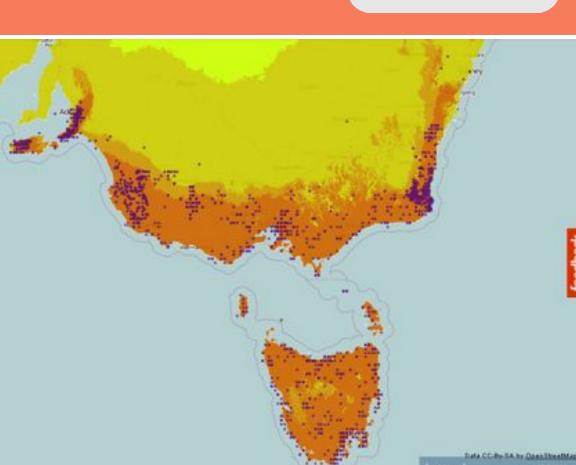
Model reference marber 1311909973484 Specier Epactic impressa (species) Layeur

- · Precipitation annual (Bio12) (hardian_bio12)
- Procipitation annual reasonality (reain())
- Temperature annual mean (Bio01) (hioclam_bio1)
- Temperature annual range (Bio97) (hiocking,hio7)
- Aspect (uppect)
- · Elevation (elevation)

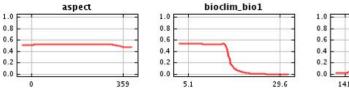
Analysis of omission/commission

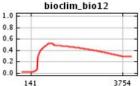
The following picture shows the consistent rate and predicted area as a function of the cumulative threefoold. The consistent is calculated both on the training presence records, and (if test data are used) on the test records. The consistent rate should be close to the predicted consistent, because of the definition of the cumulative threefoold.

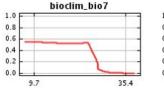


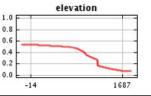


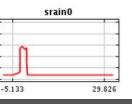
Response curves











1.0

0.8

0.6

0.4

0.2

0.0

Sharing biodiversity knowledge to shape our future



Species photos and images





Diagnostic photos





Species Names



Home: Explore: Orthetrum caledonicum (Brauer, 1965)	Bue Skimmer		
Orthetrum caledonicum (Brauer, 1865) Blue Skimmer		Rank Name source Data links	Species Australian Faunal Directory dP LSID 1 (2001)
Animalia Arthropoda Insecta Odonata Libelkuldae I	Ortholium - Ortholium caladoxicum		
Overview Gallery Names Classification 1	Records Literature		
Accepted Name			
Orthefrum caledonicum (Brauer, 1865)	SOURCE: Australian Faunal Directory dP		
Synonyms			
Libeilula caledonica Brauer, 1865 Brauer, 1865	SOURCE: Australian Faunal Directory of		
Orthetrum coeleste (Selys in Hagen, 1849) (Selys, 1849)	SOURCE: Australian Faunal Desctory 🖗		
Common Names			
Ske Skimmer	SOURCE: Geraween National Park 💞		
Is this a preferred common name for this species? <u>YES [ND</u>	SOURCE: Australian Insect Common Names & SOURCE: Department of Environment, Climate Change and Water &		
Bue Skimmer Dragonfly	SOURCE Aussie Creatures of		
Is this a preferred common name for this species? <u>YES NO</u>			
Bio Skinner Drasofte - Famile	Environte Aurora Constante 🖉		

Species Classification



Home . Explore . Exemploite attemitolia R.Dr. : Nanowinat tuobala bush

Eremophila alternifolia

Rank	Species
Name source	Australian Plant Names Index @
Data links	LSID I JSON

Plantae, Magneticp	tyla . Magooliopsida	Lamiates Myspecare	eee Libeacohile Libeacohile elberidole
Overview G	allery Names	Classification	Records

Scientific Classification

- kingdom <u>Plantae</u>
 - phylum: <u>Hagnolicphyta</u>
 - class: <u>Magholiopsida</u>
 - order: Lamiales
 - family: <u>Mysporaceae</u>
 - · genus: Exempoteia
 - 🔿 species: Eremophila alternifolia : Narrow-leaf fuchsia bush 🗃
 - variety Eternochsia alternifolia var. alternifolia illi
 - variety: Exempoteia attentiola var. latfolia 200

Rich Data: Identification Tools







Identify. He is a global, cellaborative propert providing wave to identify the world's formy organisms.

The world is full of a vast area of extraordinary organisms. From the largest trees, manntally and fish to the troest distorts, signs and batteria. There is an enumneur amount of information about there organisms and their lives, habits and characteristics. IdentifyLife is all about bringing people and the information about the world's living constructs together, trainisms to Discripture.



Rich Data: Identification Tools



earch	Contribute		View (AB) (Block Forcest) (Block Popular) (Fourier
-		s of Senna in Australia species of Senna in Australia, from the Flora of Australia. Citere (-)	Eda
	Autospit	B.R. Randell, D.A.Barlow	
	Published	Australian Biological Resources Study	
	Veraleet	(sut recorded)	
	Langesiger	English	
	Accessibility	Freely accessible	
	Eastenenic Scopet	Benna	
	Geographic Scope:	Australia (Country)	
	Completenens;	Complete	
	Viscatedary	Some Longles, Nichvis al language	
	Technical Skithc	Moderate technical skills required	
	Brainper pr	No illustrations deit only	
	Cardin I Details		
	Key to the specie	s of Chamaecrista in Australia	E-68
and the second s	A distant province in the Real	species of Charvaecrista in Australia, Itom the Flora of Australia Details	

Data on Biological Collections



Australia's natural history collections

Learn about the institution, the collections they hold and view records of specimens that have been databased. Currently only the collections of ALA partners are shown. Over the this list will expand to include all natural history collections in Australia.

lap List

Click a button to only show those organisms.

All collections Show at 141 collections.



Fauna

Mammals, birds, reptiles, fait, imphibiens and inverteinates.



Insects

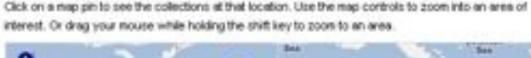
insects, spiders, miss and some other arthropolis.



Microorganisms

Profette_bacteria, viruses, microfungl and microalgae.

Plants





Data on Biological Collections





Factore Tools Share Support Contact Us About the Atlast earch the Atlas

COMPANY AND A TAXABLE PARTY OF A DAMAGE AND A DAMAGE

Home : Explore | Natural History Collections | Australian Maseum

Australian Museum

Acronym: AM L112



The Australian Museum is making a range of species information and data from its natural history collections available through the Atlast of Living Australia.

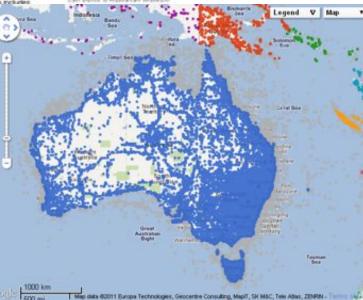
The Australian Museum has worked with Rio Tinto http://australianmuseum.net.au/Our-corporate-partners diff to develop BioMans http://www.biomapio.net.au/biomapio2.dlf), a set of tools for accessing, mapping and analyzing Australian biodiversity data. The ALA is exploring ways to collaborate with the Australian Museum and with Ro Tinto to further this work within the tranework of the Atlas.

Collections

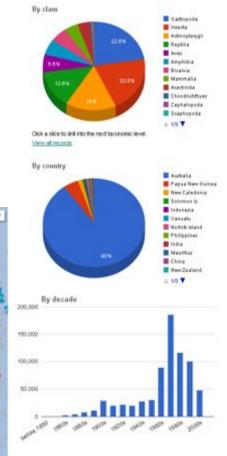
- 1. Authelian Muteum Anschrotogy Collection The Authelian Muteum Anachrology collection inclusion anachnids (spiders and their relatives), myniapods (centipedes and milipedes and the onychophorana (velvet worms), and landigrades (weller bears). The Anachrida reprint and tandigrades (weller bears). proportion of the collections, at about 95%.
- 2. Authralian Muteum Entomology Collection in the insect (s.1) collection, there is an en-South Wales fauna, although there are significant holdings from other states and reg has internationally significant holdings of acelyptrate Diptera, Psocoptera, and Chrysl major Australian collections of Neuroptera, Megaloptera, Lepidoptera, and Coleoptera
- 3. Australian Museum Herpetokovy Collection Two thirds of collection are reptiles, two b Izards. Contains collections of most recently extinct eastern Australian troops
- 4. Australian Museum Rhthyology Colection As one would expect, the Fish Research C many adult and larval fish specimens. These are used by researchers worldwide.
- 5. Authratian Museum Malaccicopy Collection Malaccicopy is the study of the group of any Mollusos include chilons, clans, mussels, snails, nudibranchs (sea slugs), tusk shell bquid.
- 8. Australian Museum Mammalogy Collection The Australian Museum Manmalogy collect most comprehensive collections of Australiasian manmals in the world. While it contain all over the world the largest collections are from Australia, Papua New Guinea, Indo Solomon telands.



Itag Beetler, Lanprista opp. Photo Carl Bents @ Australian Moseum 2007 Carl Benty & Australian Muleur

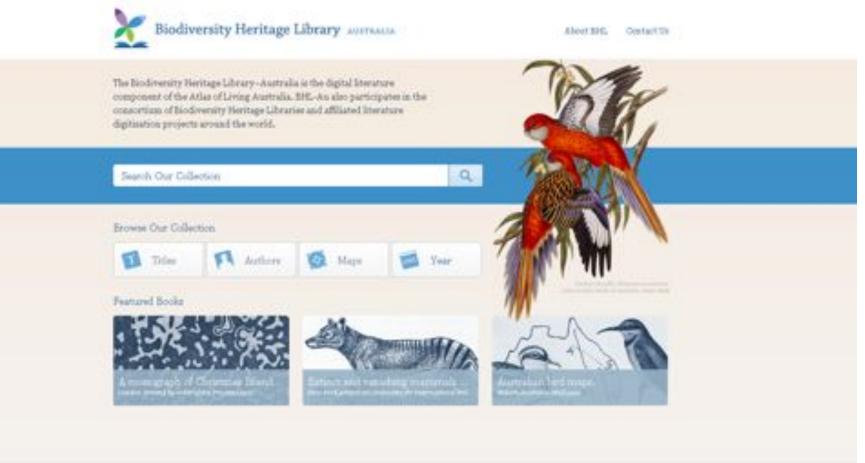


Log out



Heritage Literature







Sundapa Barrymer

Linearing & Organight

Heritage Literature





Citizen Science - Add a Sighting



hare a Sight	ting	Logged in as donaid hobern@cs
Elanus axillaris :	Black-shouldered Kite	Bookmarked locations
	-	Hume Highway, near South Western Motorway
Date	(21 Sep 2011	Bookmark location Set as default
Time	15 🛩 55 🛩	A Star A VESTS
Individual Count	1	
Lecation	LOT 7 Hume Hwy, Glenfield NSW 2167, Australia	
atitude	-33.973061	
ongitude	150.874739	see a line in
Coordinate	500	
Incertainty in Meters		
Additional Comments	Hovering and heading south	A the later is a second

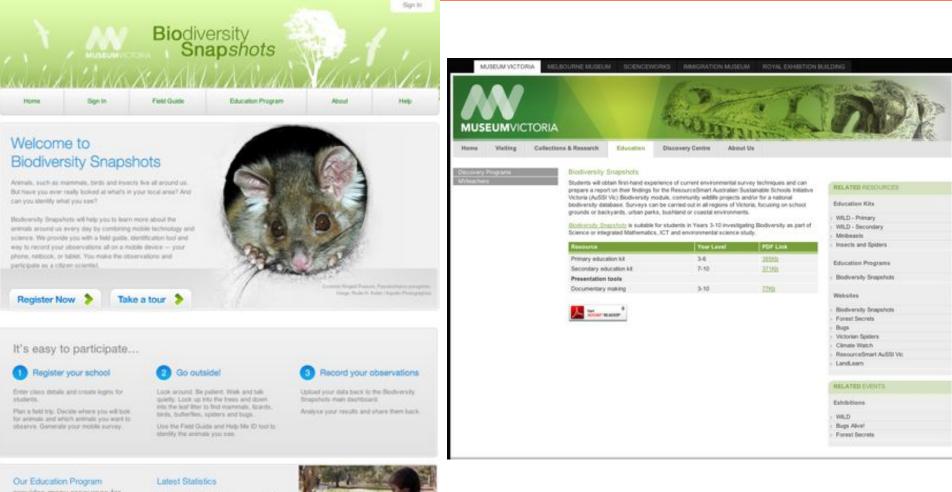
Projects Using ALA Software



- Biodiversity Snapshots Museum Victoria and Vic Dep Education and Early Childhood Development.
- Wild Backyards Queensland Museum.
- Birds Australia Carnaby's Black Cockatoo Recovery, Bird Atlas, Shorebirds 2020.
- ClimateWatch.
- Great Eastern Ranges 12 projects eg. squirrel glider.
- Atlas of Life in the Coastal Wilderness Merimbula.

Biodiversity Snapshots





provides many resources for use before, during and after your Biodiversity Snapshots field trip.

Tatal number of records 803 Number of species recorded 178 Number of species in field guide 600 Last Record

Was created on 66 Nov 2011 by Ecolese and was a Caddelly (Leptocardiae) in the group Fractionater Investednates



Citizen Science – Birds Australia





» Citye Minton wins prestigious Einenmann Medal 02 Oct 2011

* New Action Plan for Australian Birds 30 Sep 2011

34

= 2011 Photo Competition 31 Aug 2011

- National Protection for National Parks 28 July 2011

Our popular Birds in Backyards program focuses on birth that live where people live, head rises





Where we work Click on the map

to see what we are storing for birds around Austrolia

Get bird lists and more at Birds Australia's online Atlas site birdata. Head materi









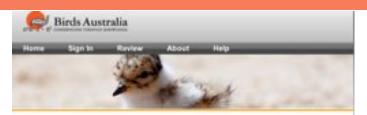
Get involved! Revew your membership

Subscribe to e-News









Welcome to Birds Australia's Citizen Science Portal

This site is the Officen

that are using this site.

Science Portal for Birds

Sign In

Register Now

Rephiltener; is free and is available to anyone. If you would like to help our research into the variety of projects we are working on. then please requirer and become one of our 'citizen scientists' loday.

Supported By

AUSTRALIA

Dur Projecta

Click on an image of a project Acutralia, where you can you are interested in to sign in contribute your observations and start recording. of native birds to a number of observations today! Or the Birds Australia projects register with the site here.

initally this also was developed to support the Birds Australia Carnaby's Black-Cockatoo Tracker project, and the people who were recording on the old site can atil record their information here, where the data will help inform the broader Birds Australia

Since the protect began, the team behind this site -- from the Adap of Living Australia ---have been working with Birds Australia to add additional

functionality and projects to this site. The various projects involved in the site will include nesting, roosting and general sighting forms that will enable community members to directly enter information into this online database and see their records build over time.

All the data being collected through this portal goes to the Brds Australia projects, and is also transmitted to the Atlas of Living Australia for broad desemination across a wide nance of interested. researchers.

If you have sightings of other. birds, you have several notions.



Carnaby's Cockatos Tracker

Research that aims to determine the daily movement patterns of Western Australia's iconic Camaby's Black-Cockatoo within the south-west of Western Australia.

Latest Statistics

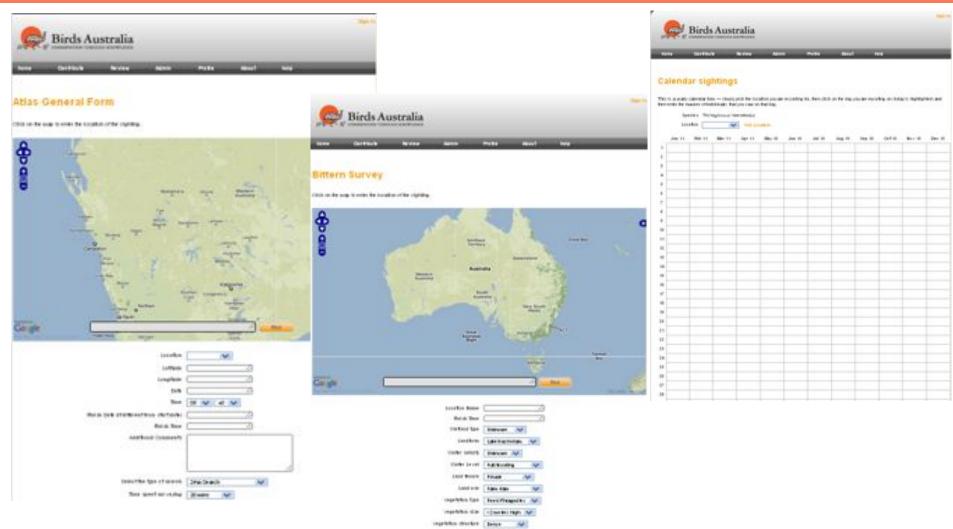
the group Birds.

Number of users 1415 Total number of 5209 nicords. Number of species 4 recorded. The last sighting was a Carnalty's Cockatoo. Calyptorflynchus latirostris in

www.ala.org.au

Online Survey Forms





Citizen Science – Wild Backyards





Home Explore Wild Backyards Plan a study Collect insects Display Insects Identify Insects Summarise Data



Explore Wild Backyards. Watch and listen to three digital stories in which experts explain what they did to attract wildlife to their backyards in Brisbane, Roma and Innistal. 'Tissh Player necessary.



Plan a study. Use the Backyard Explorer resources which include distens of activities about blodiversity assessments, insect collection and identification, digital story making and ways to observe wildlife close to home.



Collect insects. View explanatory videos that show how to set up and use Malaise traps and Pitfall traps and use Beating and Netling techniques.



Display Insects. Entomologist Noel Starick taks about the correct techniques for pinning insects such as butterfiles, grasshoppers and beetles.



Identify insects. Use an interactive key to indentify insects and invertebrates. A video on Hints on Identifying Insects will help you.



Summarise Data. Examine data collation tools, spreadsheets and an explanatory video that make this task easy.

Find out more about Animate of Queensland on the Queensland Museum website.

Curriculum areas: Mid-Upper Primary, Middle School Science, Technology, ICTs and English (Essential Learnings Year 7. 8 & P. Science Life and Living, English and Technology), Australian Science Curriculum, (Biological Sciences Year 4, 5, 6, 7 & 9), Senior Biology (Key Concepts 3-5; Key Ideas 4, 7, 9, 11-16, 20, 21, 26).

The Wild Backyards Project Room on Education Queensiand's Learning Place supports schools who wish to conduct biodiversity studies using the Backyard Explorer learning resource. Contact us if your school wishes to join this project.



Home Explore Wild Backyards Plan a study Collect Insects Display Insects Identify Insects

Plan a Study

Biodiversity Assessments Video



Alian Morrison talks about the steps involved in assessing the bio-heath and biodiversity of an area by doing comparative surveys. (3:53 min)

Download the Bodiversity Assessments Video transcript (PDF, 48 KB)

Backyard Explorer Leader's Guide (PDF, 1.9 MB)

This guide provides teachers with an outline on how to construct biodiversity assessments of sites in the school area. A case study example is used to help guide the process. There are also detailed guides on constructing pitfall traps as well as handy tips for identification of insects to order level.

Backyard Explorer User's Guide (PDF, 2 MB)

In this ecological study, you will find out what native animals and habitats are found in your schoolyant, and make a digital story about them. Associated resources can be found on the Learning Place as the virtual field trip room Wild Backyards.

Data Collation User Manual (POF, 2.08 MB) This manual guides the user to setup and enter data on the data collation tool spreaduheet. The manual includes screen shots and explanatory notes on how each data sheet is used. There is a troubleshooting guide for each sheet.

Data Colation Sheet (XLS, 1.1 MB) This data spreadsheet tool can be used to colate data from a collection event. You can enter and record location data, abilitic conditions and population counts of invertebrate orders. Data Collation Sheet (Sample) (XLS, 1.7 MB) This data spreadsheet tool can be used to colate data from a collection event. This a sheet with some sample data entered to a give an overview of how it can be used.

Citizen Science – Wild Backyards





Home Explore Wild Backyards Plan a study Collect Insects Display Insects

Identify Insects

Find out more about Animals of Queensland on the Queensland Museum website.

Hints on indentify insects



Dr Chris Lambkin gives some hints on how to indentify insects by noting their structural features. (4.07 mins) Download the transcript (PDF, 47 KB)

Using a Online interactive key



Dr Chris Lambkin dentifies insects using an online interactive key on the CSIRD website (3:40 mins) Download the transcript (PDF, 47 KB)

Volunteer Involvement





Volunteer Activity

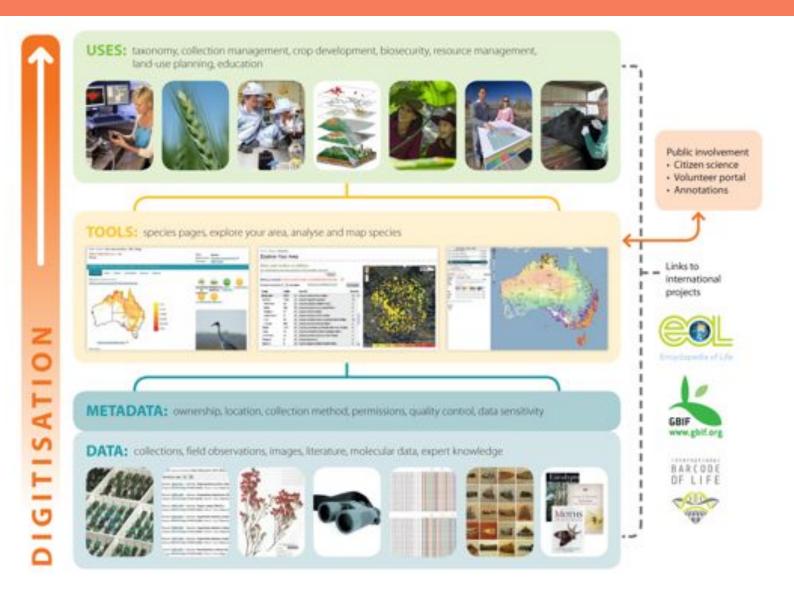


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Sharing biodiversity knowledge to shape our future

Integrating it all





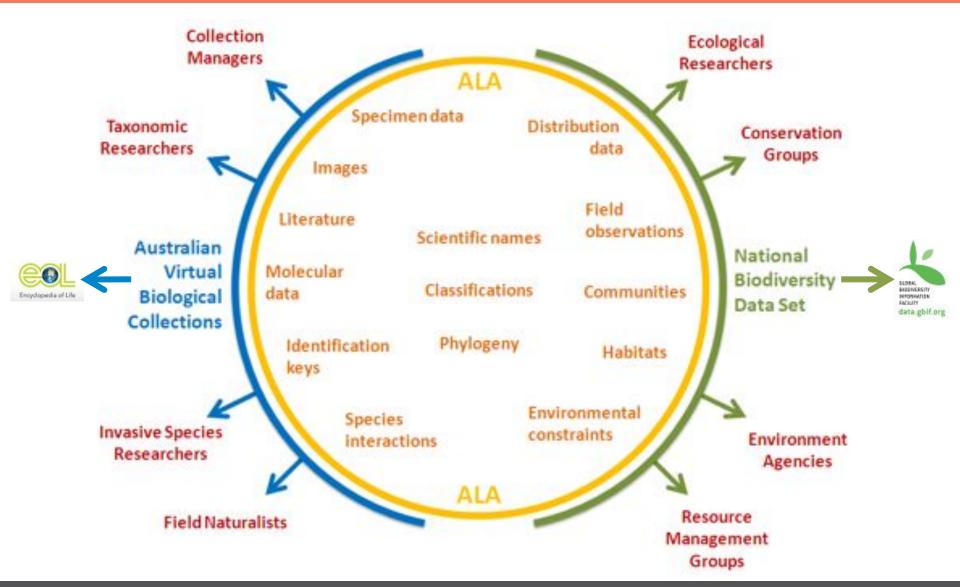
ALA November 2011



- Has delivered its core infrastructure and a range of powerful new tools.
- New software has been developed for recording and managing biodiversity data and photos in the field.
- ALA is being used in:
 - research projects
 - urban biodiversity surveys
 - museum outreach activities
 - science education
 - biosecurity monitoring
 - and natural resource management and reporting.

ALA and user communities



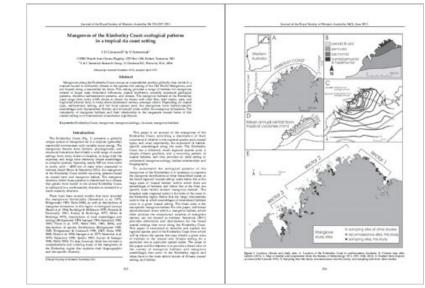


Adoption of ALA by users









ALA tools and services adopted for Great Eastern Ranges restoration corridor activities ALA mentoring activity with Indian Biodiversity Information Facility Mangroves of the Kimberley Coast: ecological patterns in a tropical coast setting - paper referencing data accessed through ALA





The Atlas of Living Australia Team – or some of it...

www.ala.org.au







An Australian Government Initiative

National Collaborative Research Infrastructure Strategy