



Regional Engagement Workshop, BID Caribbean  
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## Living Atlases community

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# Atlas of Living Australia



# ALA – sharing biodiversity knowledge



## >\$50 million investment

- \$8.2M NCRIS (2007-2011)
- \$30M SS EIF (2010-2012)
- \$2.8 M CRIS (2013-2015)
- \$5.7M NCRIS2013 (2013-2015)
- \$4.6M NCRIS 2015



A world-leading collaborative e-infrastructure integral to growing biodiversity knowledge



## Partners – founding & beyond

- founding partners and contributors primarily biological collections and museums
- increased contribution & use by citizen science, government, industry



>67 million records  
>587 data sets  
>477 spatial layers  
>9 billion records downloaded  
>3.5 thousand users/day



## National Research infrastructure

- NCRIS established in 2006
- Currently within Education Dept
- Related environmental infrastructures TERN (terrestrial ecological info/data capture) & IMOS (marine)



Data

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



## Open source & open access

- ALA driving cultural shift regarding open access to data
- ALA at forefront of accessibility to public sector information



System

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

# ALA Partners

## Atlas partners



An Australian Government Initiative  
National Collaborative Research  
Infrastructure Strategy



Australian Government  
Department of Agriculture,  
Fisheries and Forestry



Australian Government  
Department of Sustainability, Environment,  
Water, Population and Communities



# What is ALA? - *an open infrastructure*

The screenshot shows the homepage of ATLASofLIVINGAUSTRALIA. It features a search bar at the top with the placeholder "Search the Atlas". Below the search bar is a banner for "Sharing biodiversity knowledge" featuring a bird image. The main navigation menu includes "Explore", "Australia's species", "Species by location", "Natural history collections", "Mapping & analysis", "Data sets", and "FieldData software". A sidebar on the right contains links for "Get involved", "Blogs & news updates", and "Contact us". The footer includes links for "Help & analysis", "Resources by region", "Species in your area", "Species distribution", "Species case studies", "Partners", "Communications", "About the Atlas", "Citizen science", and "Help". Logos for various partners like CSIRO, CSIC, and BOLD are at the bottom.

The screenshot shows the PORTAL DE DATOS DE BIODIVERSIDAD (Portal of Biodiversity Data). It has a search bar and a banner for "Aprende cómo consultar datos de biodiversidad". The main content area includes sections for "Instituciones, colecciones y proyectos", "Juegos de datos", and "Datos georreferenciados". There are also links for "CONTACTO", "MISIONES", and "SOPORTES". Logos for CIBIO, IGB, and BOLD are visible at the bottom.



The screenshot shows the OZCAM website. It features a large photograph of a small lizard specimen in a glass jar. The OZCAM logo, consisting of a sun-like icon and the text "OZCAM Online Zoological Collections of Australian Museums", is prominently displayed. Below the logo is a search bar.

The screenshot shows the AMRIN (Australian Microbial Resources Information Network) website. It features a search bar and a banner with the text "Welcome to the Australian Microbial Resources Information Network". Below the banner is a large photograph of a microorganism, possibly a diatom, showing intricate internal structures.

The screenshot shows the AUSTRALIAN SEED BANK PARTNERSHIP website. It features a search bar and a banner with the text "The Australian Seed Bank". Below the banner is a photograph of a collection of dried seeds in bags.

The screenshot shows the NSW WaterWatch website. It features a search bar and a banner with the text "NSW WaterWatch - Communities Caring for Catchments". Below the banner is a photograph of a water sample being tested.

The screenshot shows the fishmap website. It features a search bar and a banner with the text "fishmap Find Australian marine fishes". Below the banner is a photograph of a fish specimen.

The screenshot shows the Great Eastern Ranges Atlas - Projects database website. It features a search bar and a map of Australia with project locations marked. The page displays a list of projects and their details.

One infrastructure - many systems



Web Services

**METADATA:** ownership, location, collection method, permissions, quality control, data sensitivity

**DATA:** collections, field observations, images, literature, molecular data, expert knowledge



click on images to go through to site



# Living atlases community



# Projects and workshops



## CESP Project (2012 – 2013)

- Costa Rica and Atlas of Living Australia collaborated to install ALA tools for the Costa Rican node. Hosted the first workshop around ALA tools.

## CoopBioPlat (2015 – 2016)

- Pilot Coordination Action (PCA) project funded by ERANET-LAC between South American and European countries in order to create a cooperation between institutions around national biodiversity data portals based on Atlas of Living Australia (ALA) modules.

## Encounter Bay (2015 – 2016)

- CESP project between Belgium, France, Portugal and Spain in order to write the ALA Key Technical Document.

**5 technical workshops** around the world in 4 years (Costa Rica, Australia, France and Spain \*2).



# Presentations (1)

## GB22, Public Symposium (October 2015) :

- “*Atlas of Living Australia for nodes: A collaborative endeavor*” (Paco Pando, 2015): presentation of the beginning of the community and the power of this kind of collaboration

## TDWG 2015 & 2016 :

- 2 presentations and 1 poster talking about the GBIF France data portal as an example based on Atlas of Living Australia tools
- “*The community around Atlas of Living Australia’s platform*” (ME Lecoq, M Carboni, F Cavière, R Figueira, S Martinez de la Riva and D Martin): poster describing the Living Atlases community.



# Presentations (2)

## GEOBON (July 2016)

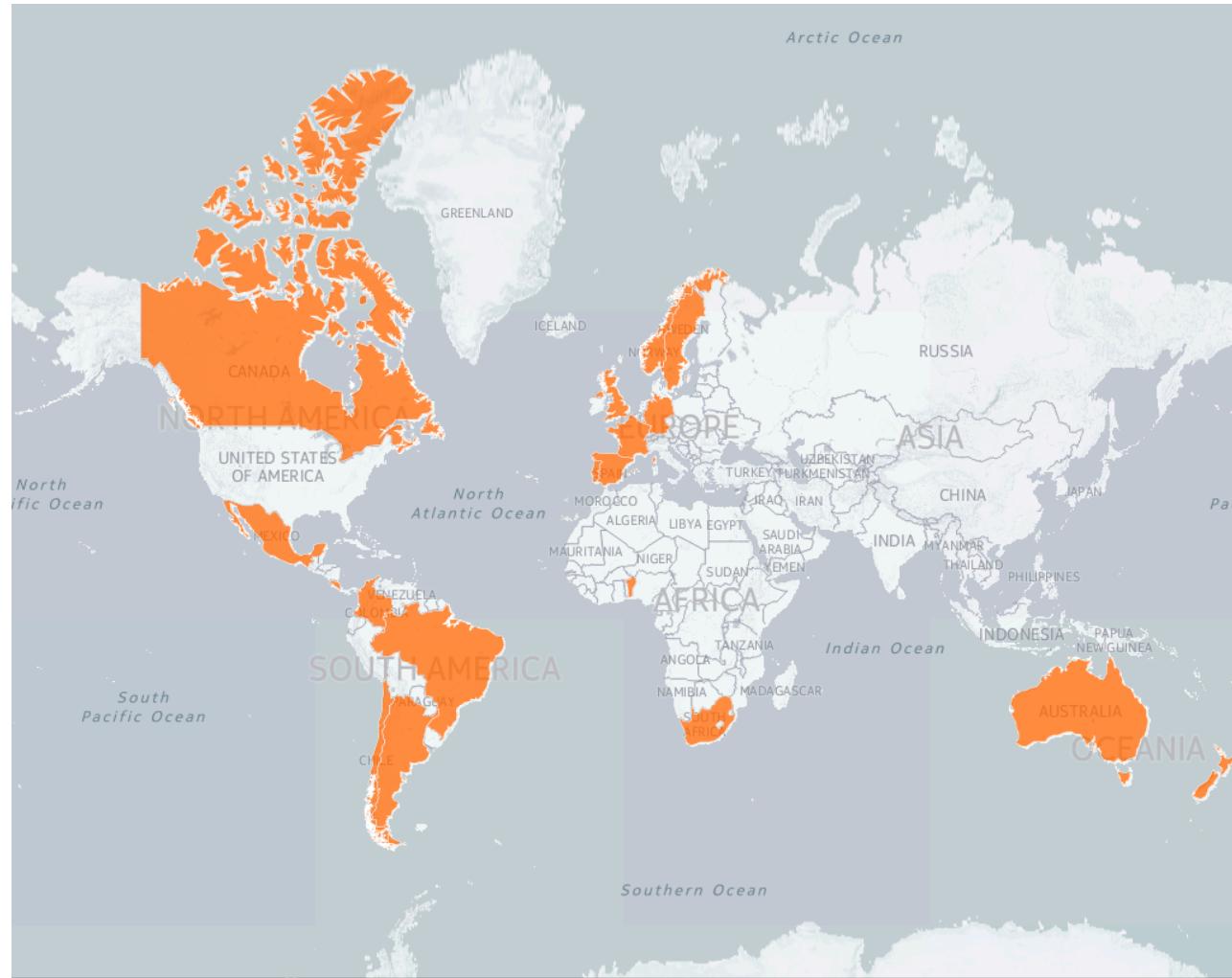
- “*Atlas of Living France : GBIF France’s portal access to primary data about biodiversity provided by French institutions*” (ME Lecoq): presentation about the community and show of an example of portal based on ALA modules.

## For more information

[https://github.com/AtlasOfLivingAustralia/documentation  
/wiki/Presentation-ala-project](https://github.com/AtlasOfLivingAustralia/documentation/wiki/Presentation-ala-project)



# Countries involved



Katia Cezon : [https://katia.carto.com/viz/92d56bd0-a0e1-11e6-a7e6-0e3ebc282e83/public\\_map](https://katia.carto.com/viz/92d56bd0-a0e1-11e6-a7e6-0e3ebc282e83/public_map)



# Community

# Data portals in production



Portal de datos de Biodiversidad | Sistemas Nacionales Datos Biológicos

INICIO DATOS GEOREFERENCIADOS SETS DE DATOS COLECCIONES FEEDBACK

Sistema Nacional de Datos Biológicos - Portal de datos

Bienvenido al portal de datos de biodiversidad de Argentina. Esta web te sirve para acceder a los datos georeferenciados, los conjuntos de datos y las colecciones que se han publicado y están siendo actualizadas en el Sistema. Aquí vez podrás realizar búsquedas de los especímenes y otros registros de presencias publicados, conocer su ubicación geográfica e interactuar con las colecciones.

Consultar los 904.386 registros de presencia

Buscar BÚSQUEDA BÚSQUEDA

DATOS GEOREFERENCIADOS CONJUNTOS DE DATOS COLECCIONES

Sistemas Nacionales Datos Biológicos (Argentina)

Portal da Biodiversidade

1.941.679 Registros de Coletores 1.056.032 Registros de Localizações 224.502 Registros de Áreas 44.704 Dossiers 11.612 Espécies Arqueadas 10 Bases de dados

Bem vindo ao Portal da Biodiversidade

O Portal da Biodiversidade tem como objetivo disponibilizar à sociedade brasileira dados e informações sobre a biodiversidade brasileira gerados ou recebidos pelo Instituto Chico Mendes de Conservação da Biodiversidade (ICMBio), principalmente nos Centros de Pesquisa e Conservação, pelo Centro Brasileiro de Recursos Flora e Fauna (CERFF) e pelo Centro de Pesquisas da Biodiversidade (CPBio).

O Brasil é um país de dimensões continentais e hospeda uma das maiores diversidades da flora e fauna do mundo. Os dados disponibilizados no Portal formam parte da estratégia de conservação da biodiversidade no Brasil.

A partir do Portal, é possível a pesquisas, visualização, download e análise de registros dos bancos de dados de biodiversidade atualmente disponíveis. Para ter acesso à descrição detalhada das funcionalidades disponíveis no Portal, acesse o Manual do Usuário.

Video sobre o Portal Bio

Instituto Chico Mendes de Conservação da Biodiversidade (Brazil)

Atlas de la Biodiversidad de Costa Rica - CRBio

Relaciona-se a este portal que inclui mais de seis milhões de registros de presencia de espécies en Costa Rica.

Información general sobre especies Registro de presencia de especies Explore la biodiversidad de su área Fuentes de datos

Atlas de la Biodiversidad de Costa Rica - CRBio

Porto de Bons e Bonsomos na Póvoa

Oceânicos Consulta da pesca e da pesca

Dados de observação Possível impacto

Publicações Conjunto de dados

Informações adicionais sobre a pesca e a pesca

21 espécies de peixes na Póvoa

GBIF Portugal

Use the NBN Atlas Scotland to learn about organisations collecting biodiversity information

SEED SOMETHING! Find a home or recording shelter

VIEW IMAGES View the NBN image gallery

EXPLORE YOUR AREA Search the area for information about nature

ANALYSE DATA Undertake your own analysis of data

The NBN Atlas Scotland is a free online tool to discover and analyse biodiversity information from across Scotland's environment.

NBN Atlas Scotland

Explore the Atlas of Living Australia

Australian species Search for Australian species and their locations. Find the record you're looking for and see where it was found. Search for recorded species

Species by location Search for recorded species by location. Find the location you're interested in and see what species have been recorded there. Search for recorded species

Collections Share biodiversity knowledge. Contribute by Australian scientists, environmentalists, educators and you!

Mapping & analysis Data sets ALA Community

Sharing biodiversity knowledge. Contribute by Australian scientists, environmentalists, educators and you!

Get involved!

Blog & News Updates

Sharing biodiversity knowledge of environments and species. Contribute by Australian scientists, environmentalists, educators and you!

Discover Big & New

Atlas of Living Australia

Global Biodiversity Information Facility Système Monde des Données sur la Biodiversité

CONSULTER LES OCCURRENCES

LES DONNÉES FRANÇAISES SUR LA BIODIVERSITÉ

CONSULTER LES OCCURRENCES

LES COLLECTONS

LES JEUX DE DONNÉES

PORTFOLIO SPATIAL

SEEN SOMETHING? Find a survey or recording scheme

VIEW IMAGES View the GBIF image gallery

EXPLORE YOUR AREA Search the GBIF area

ANALYSE DATA Undertake your own analyses of GBIF data

GBIF France

The NBN Atlas is a free online tool that educates and informs people about the natural world

SEEN SOMETHING? Find a survey or recording scheme

VIEW IMAGES View the NBN image gallery

EXPLORE YOUR AREA Search the NBN area

ANALYSE DATA Undertake your own analyses of NBN data

NBN Atlas

PORTAL DE DATOS DE BIODIVERSIDAD

1.040.354 registros de biodiversidad en Portales

432.131 especies incluidas en Portales

21 creaciones de datos incluidas en Portales

Información accesible a través del Portal de Datos de GBIFES

+ INVERTEBRADOS 224 + FLORES Y PLANTAS 60

Datos georeferenciados

GBIF Spain

EcoAtlas Sweden Home About Collections Datasets Documents API Links Resource Contact

Occurrences records

Records Map Charts

10,606 results for [all records]

Narrow your results

• Taxon • Location • Occurrence

Species Open occurrences | Images Institution: Wernberg Museum Collection: Awi W. Eriksena African Biodiversity At Wernberg Museum Basis Of Record: Preserved Specimen Catalog Number: A-Ser000001 View Record

Species Taxon freshwater Organism: Amphibia Order: Anura Family: Hylidae Genus: Aglyptodactylus Species: Aglyptodactylus sp. Date: 1989-01-01 Country: Malagasy Institution: Wernberg Museum Collection: Awi W. Eriksena African Biodiversity At Wernberg Museum Basis Of Record: Preserved Specimen Catalog Number: A-Ser000002 View Record

Species Taxon freshwater Organism: Amphibia Order: Anura Family: Hylidae Genus: Aglyptodactylus Species: Aglyptodactylus sp. Date: 1989-01-01 Country: Malagasy Institution: Wernberg Museum Collection: Awi W. Eriksena African Biodiversity At Wernberg Museum Basis Of Record: Preserved Specimen Catalog Number: A-Ser000003 View Record

BioAtlas Sweden

## 2017 / 2018



### CESP Project :

- CESP Regional event between 13 nodes to organize the 1-week workshop in 2018 in Madrid (advanced level).
- CESP Mentoring between Canadensys and GBIF France to help open the community to French-speaking countries.
- CESP Mentoring between GBIF Benin and GBIF France to install the Beninese data portal based on ALA

### TDWG 2017 :

- Beginner workshop around Atlas of Living Australia tools (between one day and half a day – duration to be confirmed)

### Collaboration

- GBIF Argentina has begin to help to install ALA in Colombia.
- GBIF Spain has begin to work on the installation of the ALA portal in GBIF Andorra.

## INTERREG SUDOE Project

- BIOGLASER: collaboration between GBIF Andorra, GBIF France, GBIF Spain, GBIF Portugal and other institutions to create a biogeographic Living Atlas based on ALA modules for a better management of the biodiversity in the SUDOE area.



## Future...

**More technical workshops** (at least one per year) focused on different modules of the platform (Species list, Spatial, etc.) and for different levels (beginner and advanced)

**More GBIF participants will launch their portals in production:** Andorra, Canadensys, Germany, Luxembourg, Mexico, Sweden, etc.

Creation of an **official webpage** for the community.

**Improvement of the communication** between participants (project calls, helpdesk, bug report, etc.)

**Project COST for 2018/2019** around ALA to perpetuate the ALA consortium.



# Thank you !



## Questions ?



### Mailing List

- [ala.portal@lists.gbif.org](mailto:ala.portal@lists.gbif.org)
- Registration: [lists.gbif.org/mailman/listinfo/ala-info](https://lists.gbif.org/mailman/listinfo/ala-info)

### HipChat Room (for developers)

- Public access: <https://www.hipchat.com/gx1ej3K6Q>

### Documentation

- Official web page on the GBIF.org (demo):  
<https://demo.gbif.org/programme/82953/living-atlases>
- ALA Key Technical Document  
<http://www.gbif.org/project/2015-ala-internationalization>
- ALA GitHub folder  
<https://github.com/atlasoflivingaustralia/documentation>