











# Reef Life Survey data access

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Reef Life Survey (RLS) have visited 2500+ coral and rocky reef sites around the world and have conducted approximately 6000 surveys across those sites. Dive surveys can be repeated in one location at different times and every survey is conducted at a nominal 'site'.

During a dive survey observations are recorded of each

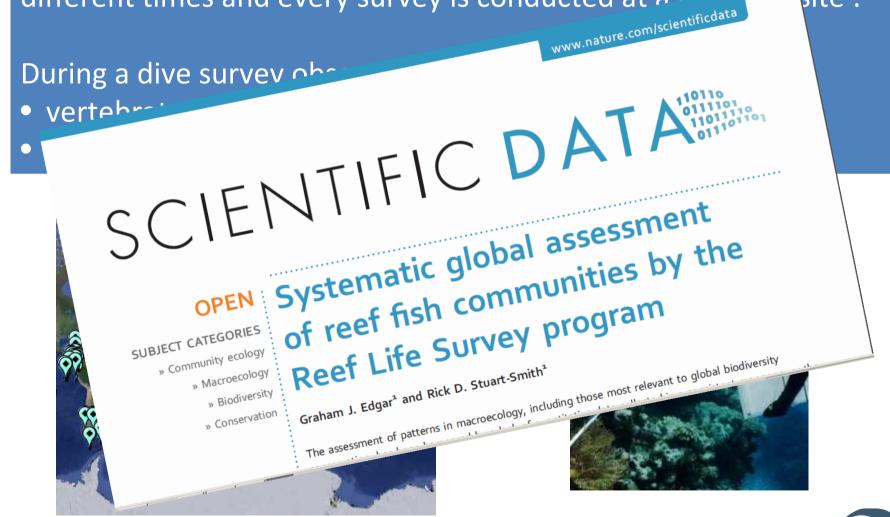
- vertebrate species abundance and biomass, and
- invertebrate species abundance.







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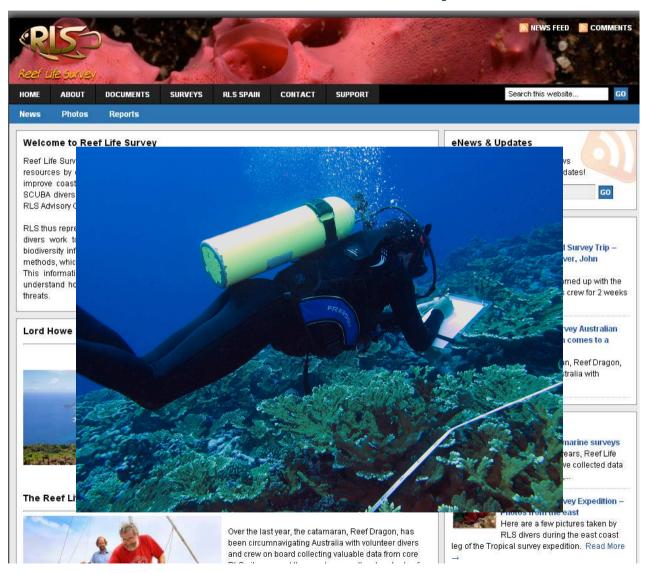
# Reef Life Survey



http://reeflifesurvey.com

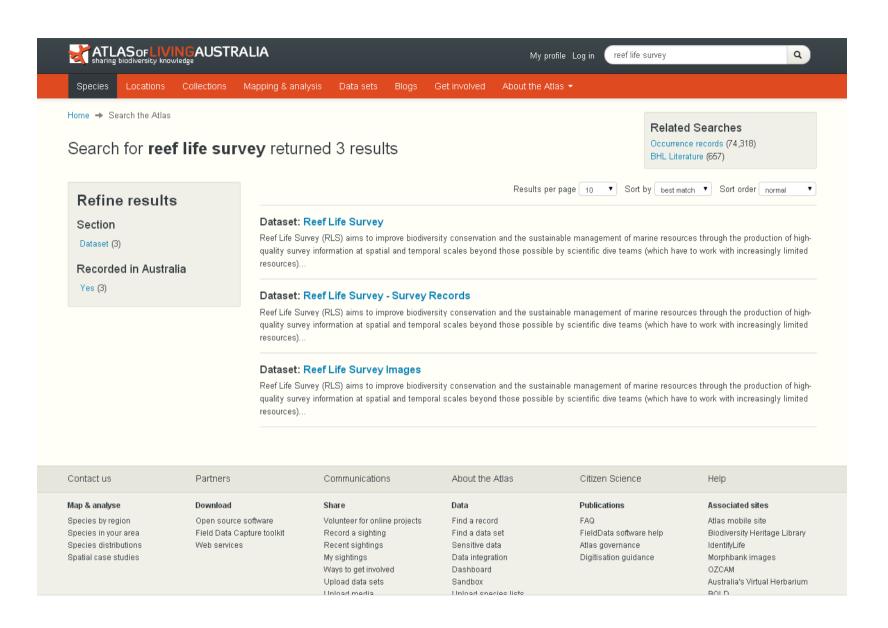


# Reef Life Survey



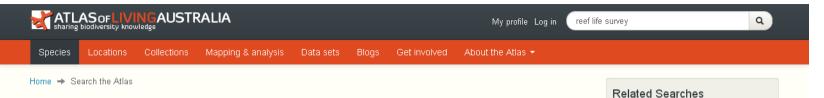
http://reeflifesurvey.com





A subset of RLS data is in the ALA





#### Search for **reef life survey** returned 3 results **Digitised records**

25 records can be accessed through the Atlas of Living Australia. This resource was last of The most recent data was published on 10 Apr 2014.

Click to view records for the Reef Life Survey resource.

#### Explore records by taxonomy

```
⊟ Kingdoms
  . ANIMALIA - 25
     Ė CHORDATA - 25
        É ACTINOPTERYGII - 25
          Ė PERCIFORMES - 25
             Ė LABRIDAE - 25
                . Notolabrus - 4
                ⊕ Siphonognathus - 4
                ⊕ Odax - 3
                ⊕ Suezichthγs - 3
                Achoerodus - 2
                ⊕ Dotalabrus - 2
                - Austrolabrus - 1
                .
Eupetrichthγs - 1
                ⊕ Halichoeres - 1
                ⊞ Neoodax - 1
                ⊕ Ophthalmolepis - 1
```

re biodiversity conservation and the sustainable management of marine resources through the production of highnd temporal scales beyond those possible by scientific dive teams (which have to work with increasingly limited

Occurrence records (74,318)

BHL Literature (657)

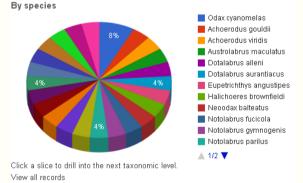
Results per page 10 ▼ Sort by best match ▼ Sort order normal

#### urvey Records

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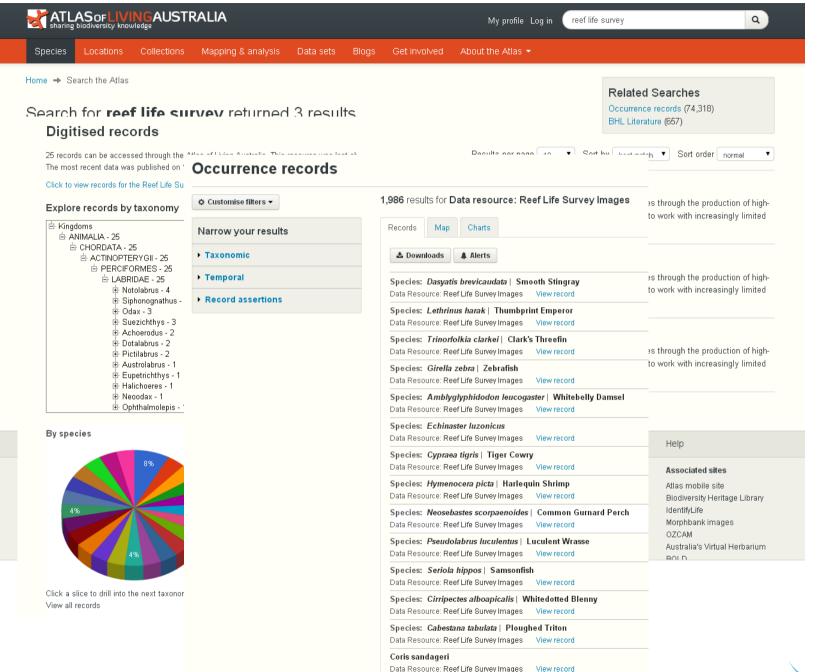
#### ages

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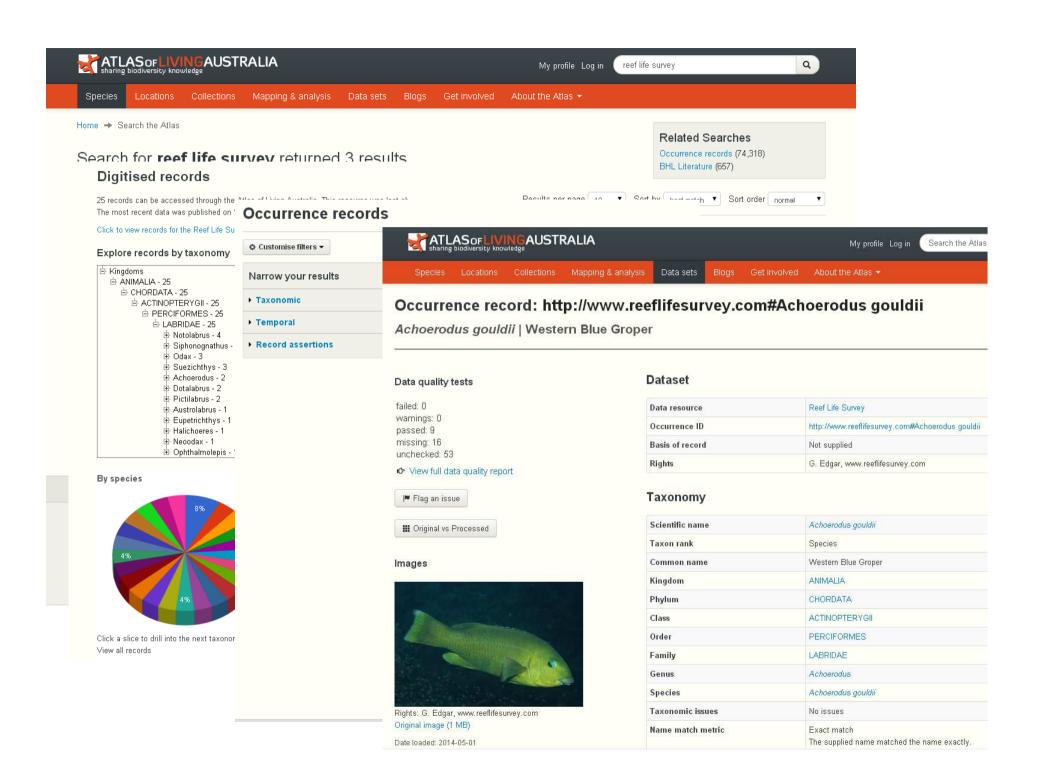


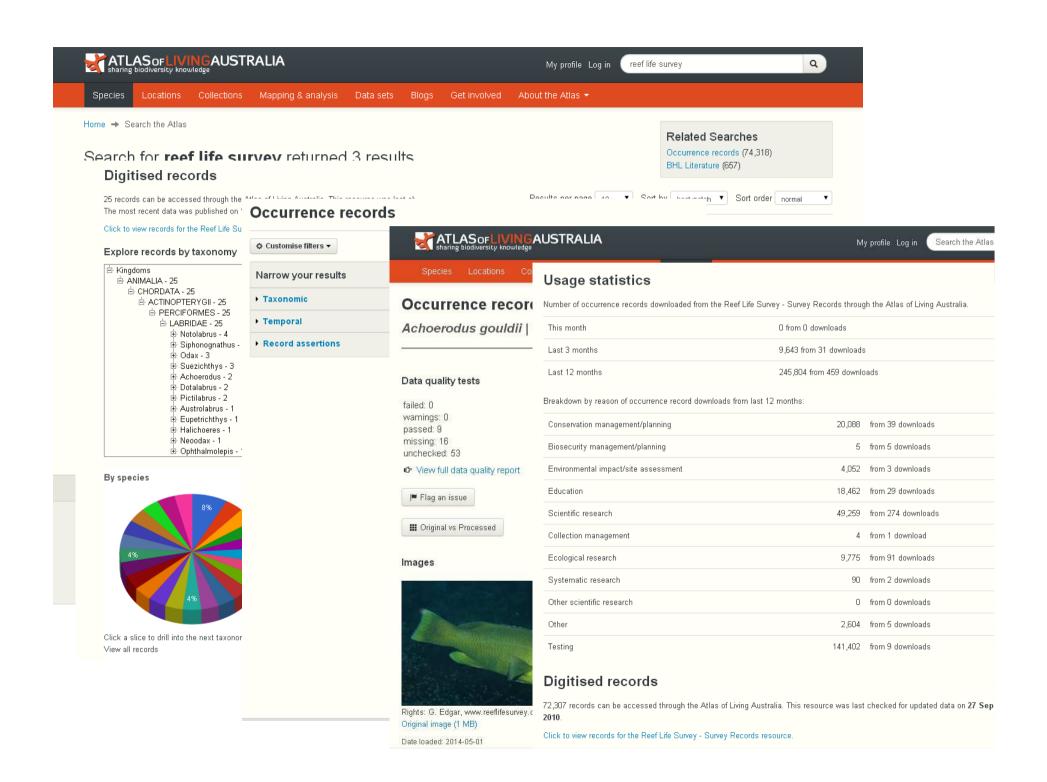
	About the Atlas	Citizen Science	Help
	Data	Publications	Associated sites
rojects	Find a record	FAQ	Atlas mobile site
	Find a data set	FieldData software help	Biodiversity Heritage Library
	Sensitive data	Atlas governance	IdentifyLife
	Data integration	Digitisation guidance	Morphbank images
	Dashboard		OZCAM
	Sandbox		Australia's Virtual Herbarium
	Unload energe liete		BOLD











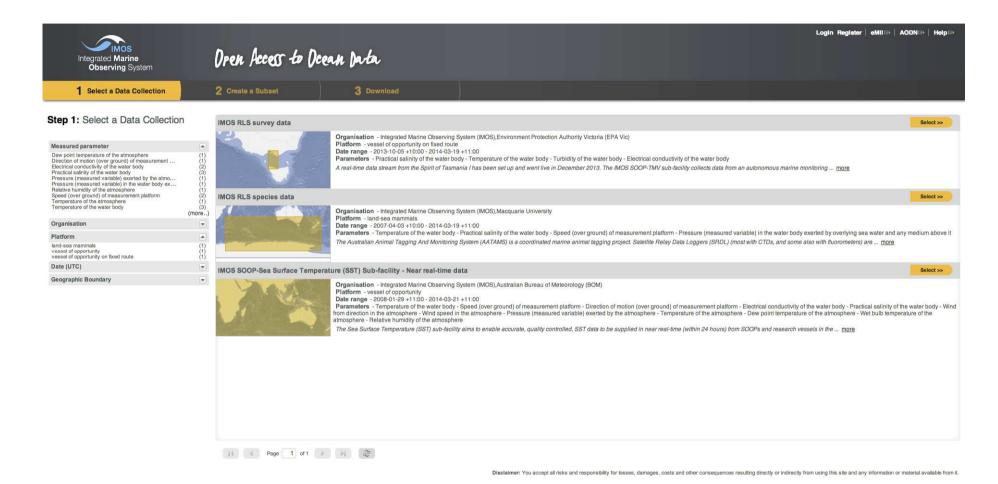
# Australian Ocean Data Network A 'one-stop-shop' for Australian Marine data'

# User Stories for RLS data pilot study

- 1) Show me what vertebrate and invertebrate species were found at this site
- 2) Show me all of the sites that were surveyed and the presence/absence of a particular species at each of those sites.



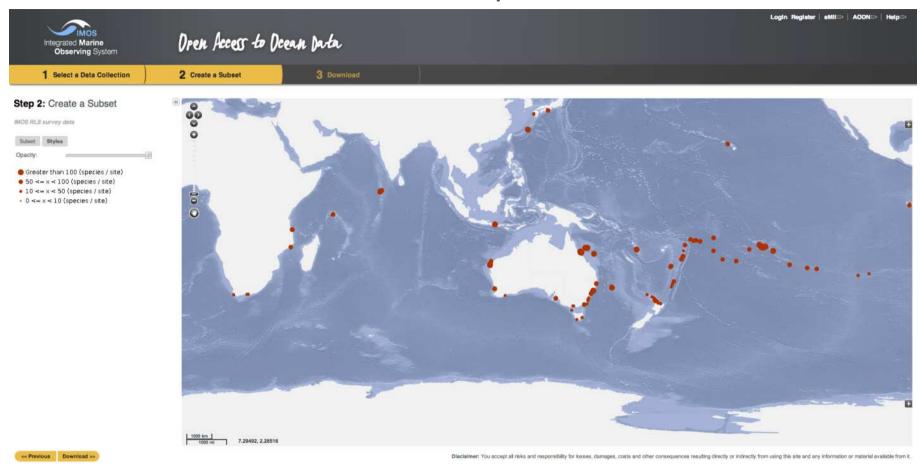
## IMOS Ocean Portal http://imos.aodn.org.au



Select the RLS Survey Data or RLS Species Data views. Survey Data supports User Story 1, Species Data supports User Story 2.



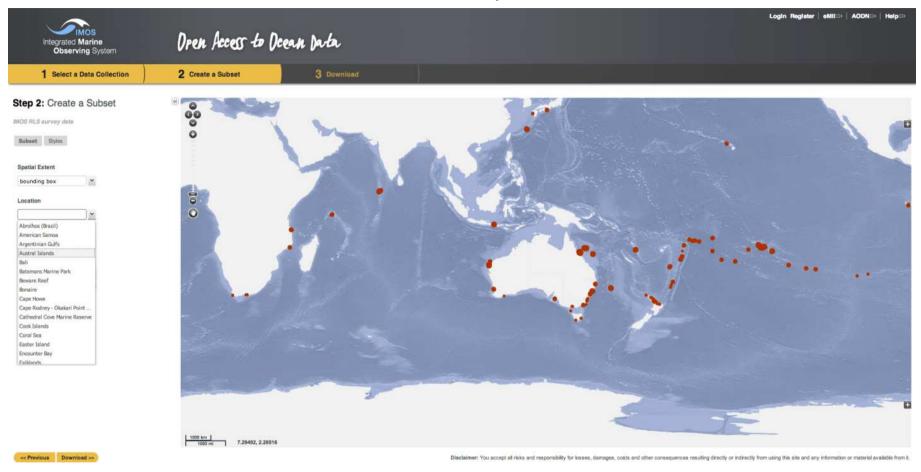
## **RLS Survey data**



Survey Data 'style view' with the key to the map symbols in the left panel.



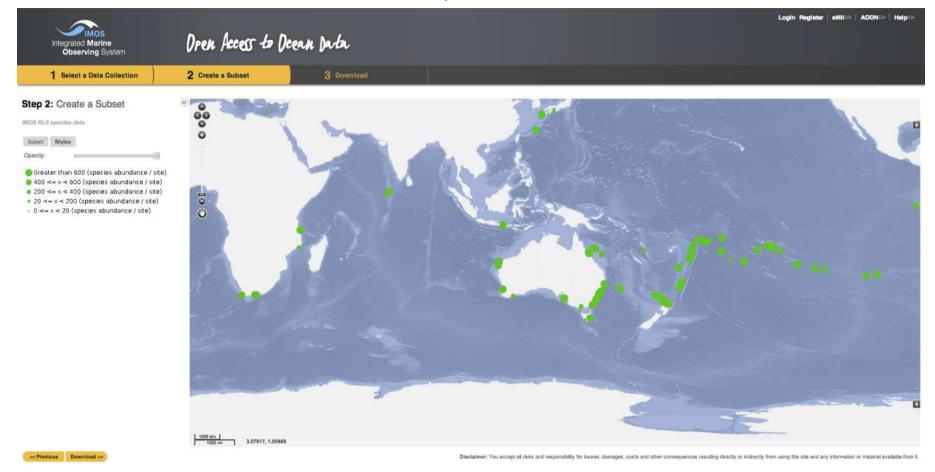
#### **RLS Survey data**



Survey Data 'style view' with the key to the map symbols in the left panel.

'subset view' with spatial subset options displayed in the left panel.

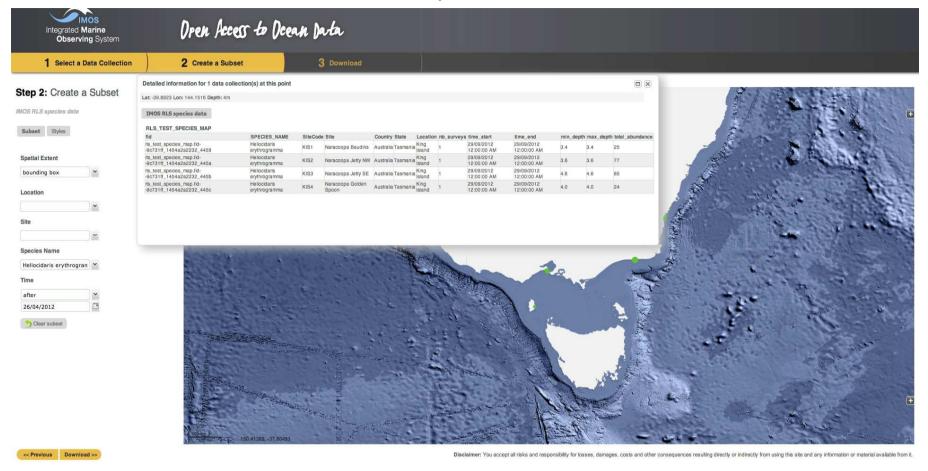
## **RLS Species data**



Species Data 'style view' with the key to symbols in the left panel



### **RLS Species data**



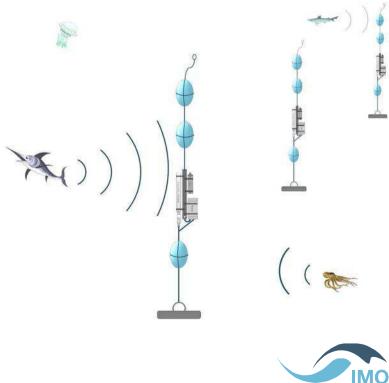
Species Data 'style view' with the key to symbols in the left panel Species Data 'subset view' with spatial subset options
Step 3 – download a csv file with subsetted data



# Next steps

- Load all RLS data into database
- Configure layers
- Publish!

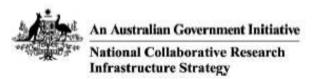
 RLS data seen as a pilot study: replicate the process for acoustic detection data (>50 million detections)





# IMOS portal <a href="http://imos.aodn.org.au">http://imos.aodn.org.au</a>





IMOS is a national collaborative research infrastructure, supported by Australian Government. It is led by University of Tasmania in partnership with the Australian marine & climate science community.

www.imos.org.au



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The Operators of the IMOS infrastructure are:



















