



Making a scatter plot



ALA Teacher Guide 7



Begin at the Atlas of Living Australia homepage. Select “Mapping & analysis”.

Explore the Atlas of Living Australia

Australia's species View all



Search for Australian flora and fauna species by common, scientific name or search by category.

[Browse species](#)

Species by location View all



Search by pre-defined region, or enter an address or location to find the recorded species nearby.

[Browse locations](#)

Collections View all



Learn about the institution, the collections they hold and view records of specimens that have been databased.

[Browse collections](#)

Mapping & analysis View all



A spatial portal for investigating species occurrences within specified locations and the environmental impacts.

[Browse mapping](#)

Data sets View all



Refine the list of all the data sets contained within the Atlas by institution, integration status, content, resource, and license.

[Browse data sets](#)

Partner Profiles View all



View our partner profiles and see how our key contributors help grow the Atlas of Living Australia.

[Browse profiles](#)

Click on “Tools”, then “Scatterplot”.

Add to Map ▾ Tools ▾ Import ▾ Export ▾ Help ▾

☰ Map options

- [Area Report](#)
- [Detailed Area Report \(PDF\)](#)
- [Nearest locality](#)
- [Scatterplot](#)
- [Scatterplot List](#)
- [Tabulate](#)
- [Points to Grid](#)
- [Generate Points](#)
- [Classify](#)
- [Predict](#)
- [GDM](#)
- [Restore prior analysis](#)

[Add to map layer](#)
[Download map](#)
[Reset map](#)

Selecting “Current extent” limits the action to what you can see on the map. If you are zoomed in, the points will only show for that area on the screen.

Step 1 of 6 - Scatterplot

1. Apply to an area
2. Select species
3. Highlight occurrences
4. Select environmental layers
5. Select background species
6. Set scatterplot layer name

Apply to an area

Current extent
 Australia
 World

[Cancel](#) [Next >](#)

Type the species or common name in the box and click on it in the list when it appears.

Then select “Next”

Step 2 of 6 - Scatterplot

1. Apply to an area ✓
 2. Select species ✓
 3. Highlight occurrences
 4. Select environmental layers
 5. Select background species
 6. Set scatterplot layer name

Select species

Include spatially-valid records
 Include spatially-suspect records
 Search for species by common or scientific name
 Enter a scientific or common name
 Use the scientific names supplied with the records
 Petrogale pen
 Fg Petrogale penicillata
 species, Brush-tailed Rock-wallaby - found 1521
 Use existing species list
 Import points

Cancel < Back **Next >**

Click again on “Current extent”, then click “Next”

Step 3 of 6 - Scatterplot

1. Apply to an area ✓
 2. Select species ✓
 3. Highlight occurrences
 4. Select environmental layers
 5. Select background species
 6. Set scatterplot layer name

Highlight occurrences on the scatterplot that are in an area

No highlight
 Current extent
 Australia
 World

Cancel < Back **Next >**

Select two layers for the axes of your scatter plot. There are many layers to choose from. A few simple ones are Elevation, Mean Annual Temperature and Mean Annual Rainfall. Having chosen relevant layers, click ‘Next’.

Step 4 of 6 - Scatterplot

1. Apply to an area ✓
 2. Select species ✓
 3. Highlight occurrences ✓
 4. Select environmental layers ✓
 5. Select background species
 6. Set scatterplot layer name

Select two environmental layers
 X: Temperature - annual mean (Bio01) mapped layers
 Y: Precipitation - annual (Bio12) mapped layers
 Display possible environments in area

Cancel < Back **Next >**

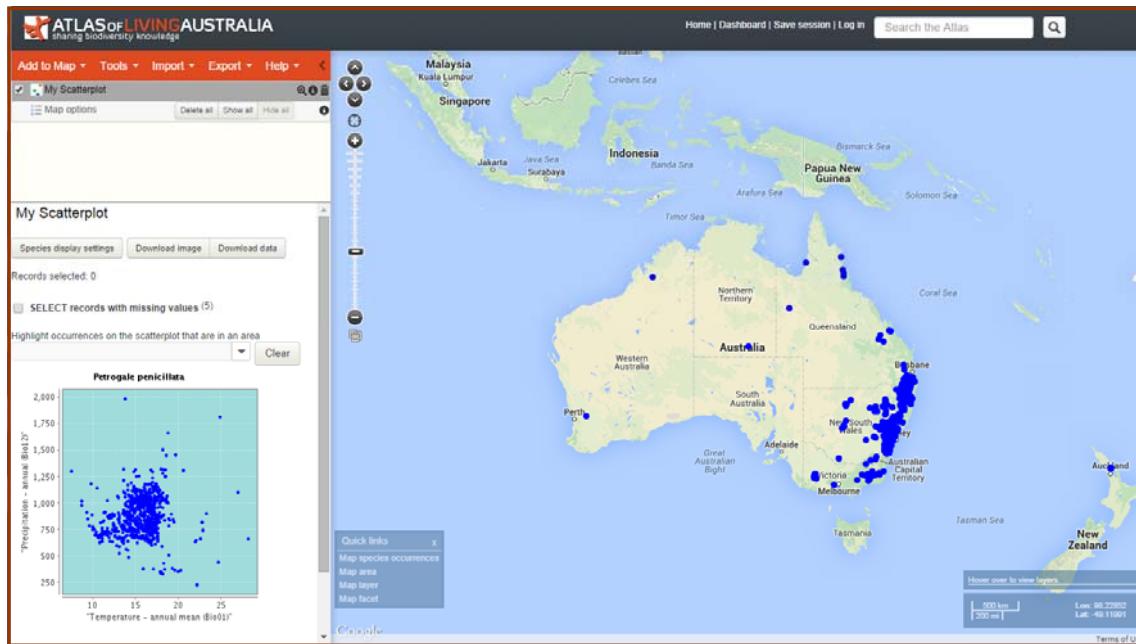
Select “No background species” then click “Next”, then “Next” again.

Step 5 of 6 - Scatterplot

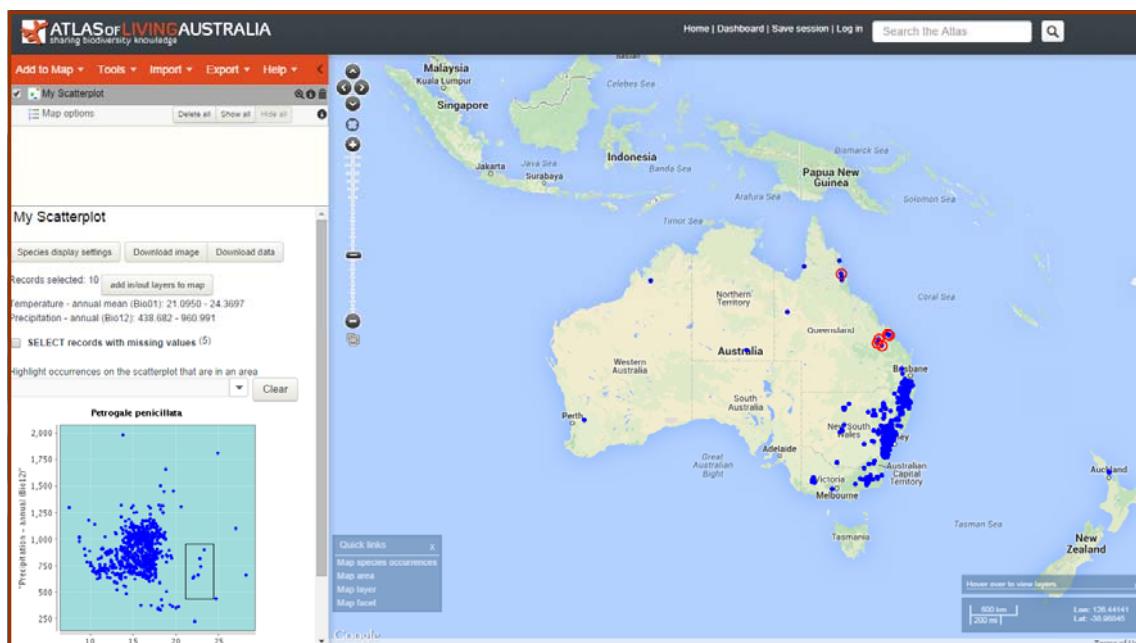
1. Apply to an area ✓
 2. Select species ✓
 3. Highlight occurrences ✓
 4. Select environmental layers ✓
 5. Select background species
 6. Set scatterplot layer name

Select background species
 Include spatially-valid records
 Include spatially-suspect records
 No background species
 Search for species by common or scientific name
 Create new species list
 Use existing species list
 Import points

Cancel < Back **Next >**

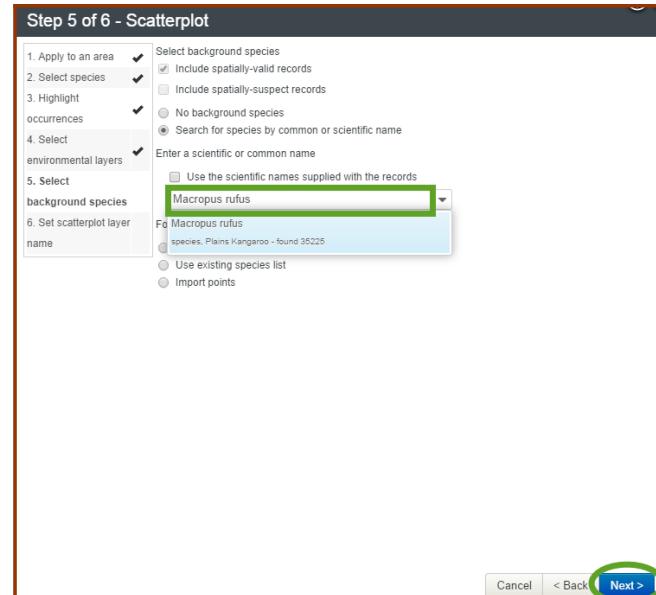


Your scatter plot will then appear to the left of the species distribution map .



On the scatter plot, you can draw a box around certain points, and those points will be highlighted on the adjacent map

If you go back a few steps, you can choose to select a background species for your scatter plot.



The adjacent map will look the same, but the scatter plot has a light pink colour in the background, which is the matching distributions of the chosen background species.

