



# DReSA: Building momentum in digital research skills uptake



DReSA has received investments from the Pawsey Supercomputing Research Centre (Pawsey) and the Australian Research Data Commons (ARDC).

Pawsey and ARDC are funded by the National Collaborative Research Infrastructure Strategy (NCRIS).



We acknowledge and pay respects to the Elders and Traditional Owners of the lands on which our partner organisations stand.

Where can I find training on ....?



Future  
Learn





# It's a problem for...

## Trainees

- Makes it harder for people to find the training they need
- Takes longer to develop critical skills

## Trainers/Training providers

- Perform gap analysis
- Design appropriate training
- Collaborate on training

# Building a national training calendar and registry

ARDC Skills Summit 2019

(COVID)

ARDC Skills Summit 2020

Working group (re)forms

Pawsey secures funding topped up by ARDC

Nick May comes on board as developer

 **DReSA** launch at eResearch 2021

# The DReSA team

**DReSA** began as a grassroots movement among trainers and training providers, in Australia and New Zealand.



## Product owner group



Australian  
**BioCommons**



## Core members



Australian Space Data  
Analysis Facility



**DEAKIN**  
UNIVERSITY



MONASH University



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA  
CREATE CHANGE



THE UNIVERSITY OF  
NEWCASTLE  
AUSTRALIA




THE UNIVERSITY OF  
SYDNEY



## Invaluable assistance from



# ELIXIR, TeSS and DReSA





Log InRegister

EventsMaterialse-LearningWorkflowsProvidersAbout


## Welcome to TeSS: ELIXIR's Training Portal

Browsing, discovering and organising life sciences training resources, aggregated from ELIXIR nodes and 3<sup>rd</sup>-party providers.


Search training...




### Events




Discover the latest training events and news from ELIXIR nodes and 3<sup>rd</sup>-party providers.



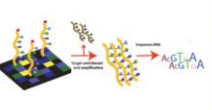
### Materials




Browse the catalogue of training materials offered by ELIXIR nodes and 3<sup>rd</sup>-party providers.




### Workflows



Create training workflows to visualise learning steps and link to resources specific to your training needs.




### Providers



Browse training providers to discover training resources they offer and follow links to their materials and courses.

### Latest Content in TeSS

#### Introduction to CWL and Docker




This introductory, hands-on tutorial is aimed towards bioinformaticians (graduate students and researchers), who are interested in becoming familiar with Docker based workflows in CWL, as is currently supported by the ELIXIR-Greece Compute Infrastructure (HYPATIA).

**Keywords:** CWL, Docker, Workflows

*Added to TeSS 1 day ago*

#### Identifier mapping with Cytoscape




This vignette will show you how to map or translate identifiers from one database (e.g., Ensembl) to another (e.g., Entrez Gene). This is a common requirement for data analysis. In the context of Cytoscape, for example, identifier mapping is needed when you want to import data to overlay on a...

**Keywords:** ELIXIR RIR, BridgeDb

# ELIXIR, TeSS and DReSA


Digital Research Skills Australasia

Log in


 [Events](#) [Materials](#) [Packages](#) [Providers](#) [Trainers](#) [About](#)

## Welcome to Digital Research Skills Australasia (DReSA)

Browsing, discovering and organising digital research events and training resources, collected from Australasian providers.


Search DReSA... 

### Events




Browse and discover training events from across Australasia.

### Materials




Browse and discover training materials from Australasian providers.

### Providers



Browse and discover Australasian training providers who contribute events and materials to DReSA.


### Trainers



Browse and discover Australasian trainers for digital research skills.


### Latest Content in DReSA


#### Single Cell RNA-Seq Analysis Using Galaxy



This hands-on workshop will cover the basics of single cell RNAseq analysis, using the Galaxy platform. Starting from a table of gene counts we will evaluate, filter, annotate and visualise the data. We will also cover clustering, cell type identification and differential expression. Galaxy...

#### Skills impact & strategy



High quality training is critical to maintaining a competent  and competitive digital research ready workforce. Maximising the impact of skills training events, course ware, training materials and resources helps ensure greatest return on investment for training providers, trainers and learners...





# 23 Providers in DReSA





# 568 Events in DReSA

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110 future events



568 past and future events



Majority Workshops & Webinars



Search filters: Date Added, Content Provider, Keyword, Field, Online, Event type, Venue, City, Country, Organiser, Target audience, Eligibility



# 162 Materials in DReSA

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162 materials available



Most materials with Creative Commons licence



Target audience: Researchers, HDR students, Prof. staff



Search filters: Date Added, Content Provider, Keyword, Field, Online, Event type, Venue, City, Country, Organiser, Target audience, Eligibility



# 30 Trainers/Instructors in DReSA

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Registered users can provide information about their training experience and make this publicly available



Create a network of trainers/instructors



# Traffic (1 Jul 2021 - 30 Sep 2022)

Users

5K

New users

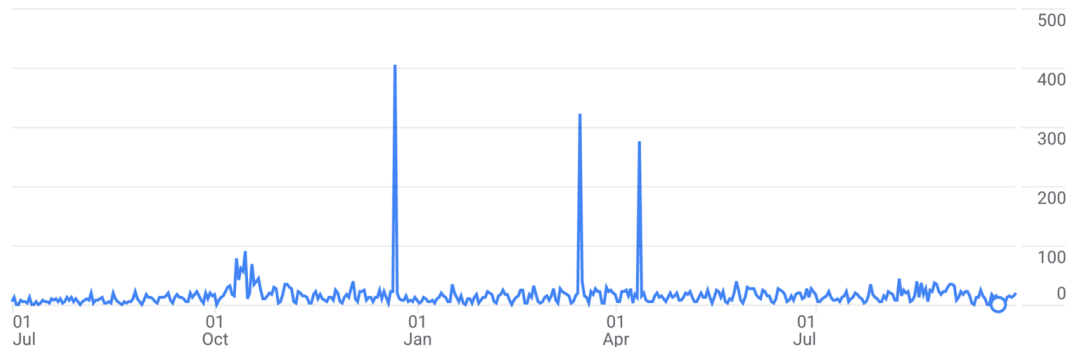
4.9K

Average engagement time ?

2m 23s

Total revenue ?

\$0.00

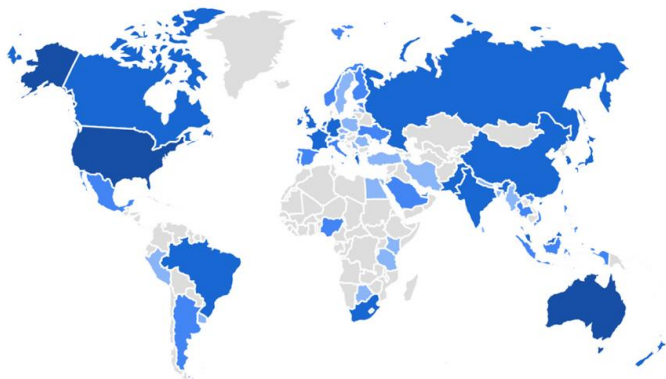


## WHICH PAGES AND SCREENS GET THE MOST VIEWS?

PAGE TITLE AND SCREEN CLASS	VIEWS
<a href="#">Digital Research Skills Australasia</a>	9.4K
<a href="#">Events - Digital Re...Skills Australasia</a>	6K
<a href="#">Materials - Digital... Skills Australasia</a>	3.5K
<a href="#">Digital Research Sk...Australia (Motlop)</a>	2.3K
<a href="#">Trainers - Digital R... Skills Australasia</a>	2K
<a href="#">About - Digital Res... Skills Australasia</a>	1.8K
<a href="#">Content providers -... Skills Australasia</a>	1.7K



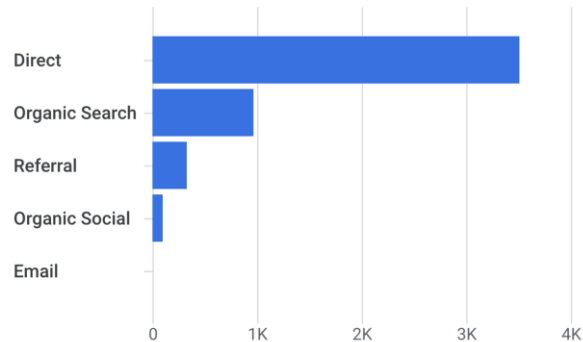
# Traffic (1 Jul 2021 - 30 Sep 2022)



COUNTRY	USERS
Australia	2.8K
United States	1.6K
China	144
Canada	81
New Zealand	62
United Kingdom	59
India	45

## WHERE DO NEW USERS COME FROM?

New users by First user default channel grouping ▼



# DReSA - A Grass Roots Initiative

- Outcome of the 2020 Skills Summit
- Official launch 12 months ago
- 568 Events, 162 Materials, 23 Providers, > 3000 Users

# Next Steps

- Curation plan in development





# Next Steps

- Curation plan in development
- Simplify data import processes



# Next Steps

- Curation plan in development
- Simplify data import processes
- Make sustainable



How you can help



# How you can help

- **Get involved**

Register as a trainer, upload materials, submit events

- **Get others involved**

Spread the word about DReSA - the more people use it, the more useful it becomes

- **Give us ideas**

Send feedback, suggestions, questions to [support@dresa.org.au](mailto:support@dresa.org.au)

Monthly DReSA clinics?

# Thank you!

# Questions?



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