



# Introducing the training provided by EcoCommons



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# Acknowledgement of country

Griffith University acknowledges the Traditional Custodians of the land on which we are meeting and pays respect to the Elders, past and present, and extends that respect to all Aboriginal and Torres Strait Islander people.



# Contents



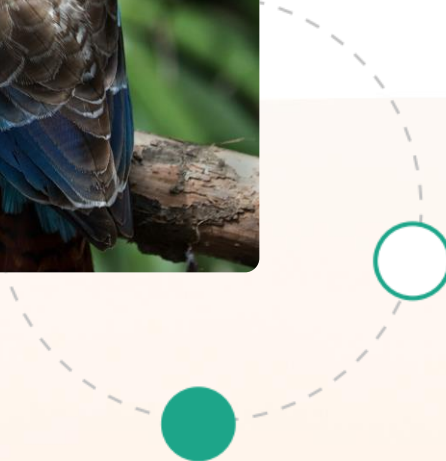
- EcoCommons introduction
- Why train?
- Who do we train?
- What do we provide?
- What do metrics indicate is popular?
- What is coming?





## Our vision

Australian practitioners and researchers use trusted, world-leading ecological and environmental modelling tools to protect and restore the planet.





## What will EcoCommons offer?

By launch, Nov 2022

Coming Soon



Species  
Distribution  
Models (SDM)



SDM Climate  
Projections



Species Trait  
Modelling



Biosecurity Risk  
Mapping



Community  
Modelling  
(GDM)



Cloud based  
coding  
environment in  
R or Python

# Our partners

EcoCommons is a joint initiative of the Australian and Queensland Governments and is supported by the Australian Research Data Commons (ARDC). The ARDC is funded by NCRIS





## Why do we provide training?



Increase awareness, i.e. climate change



Generate impact, save time, improve calibre of science & results

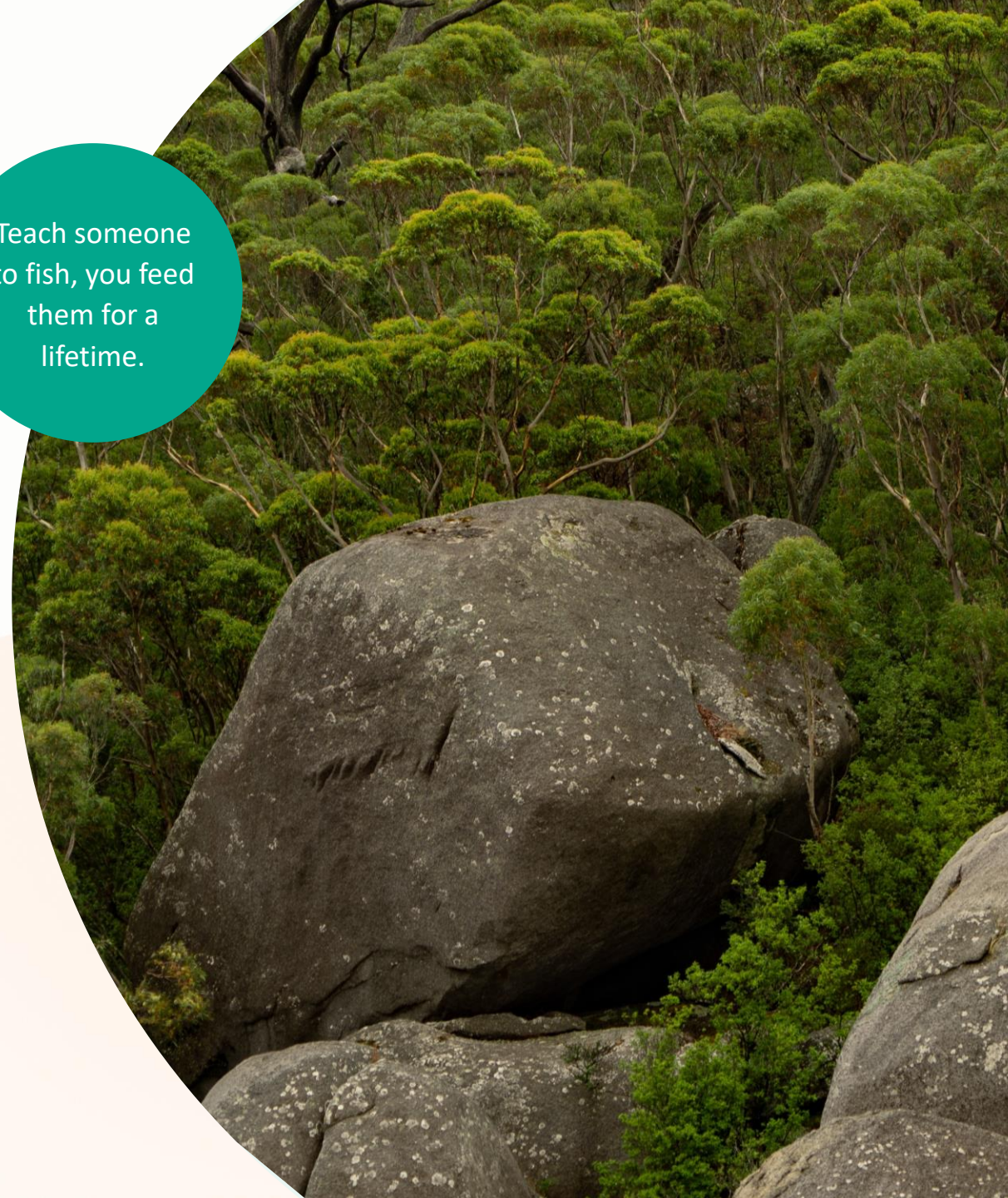


Build digital literacy



Teach use of our tools

Teach someone  
to fish, you feed  
them for a  
lifetime.



# Increasing digital literacy

... going from model awareness to creation of scalable solutions

## Awareness

Environmental challenges & modelling solutions

- Inspire interest in coding
- Learn foundations of ecological modelling

## Learn to code

Teach coding solutions

- Educate users on the next steps coding can provide
- Teach beginner and intermediate coding skills

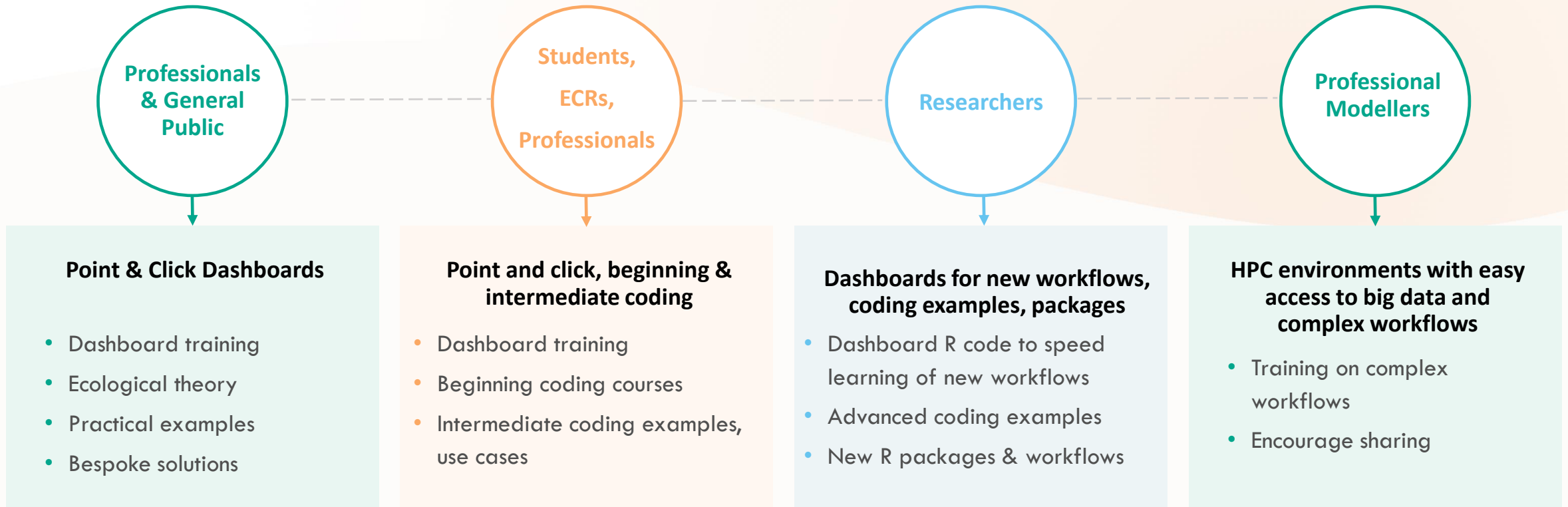
## Create Solutions

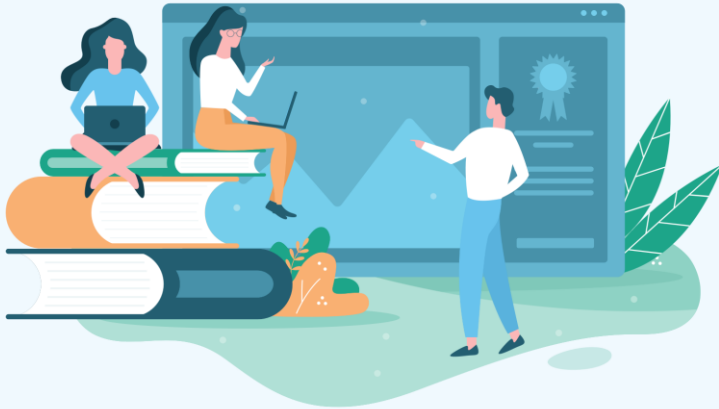
Synthesis of data and methods to create shareable & scalable methods

- Provide access to tools, data & methods to solve the hardest problems
- Exciting possibilities



# Who uses EcoCommons?





## Types of training

### BCCVL

- Videos – Ecological modelling theory, case studies & practical how to
- Support materials – Modelling how & why

### EcoCommons

- Videos – learn to code, next modelling steps beyond dashboards
- Use Cases
- Example code notebooks



## Summary of our training materials



Platform Guides - 47 Freshdesk Support articles

Educational materials website

Videos - 20 new including 7 on coding, + 10 from BCCVL

Certified carpentry instructors x 2, + ecologists on staff

Code notebooks on GitHub 7

New R packages 3

4 use cases, 2 completed, 2 drafted

FAQs to grow post launch

Support staff 1 plus team

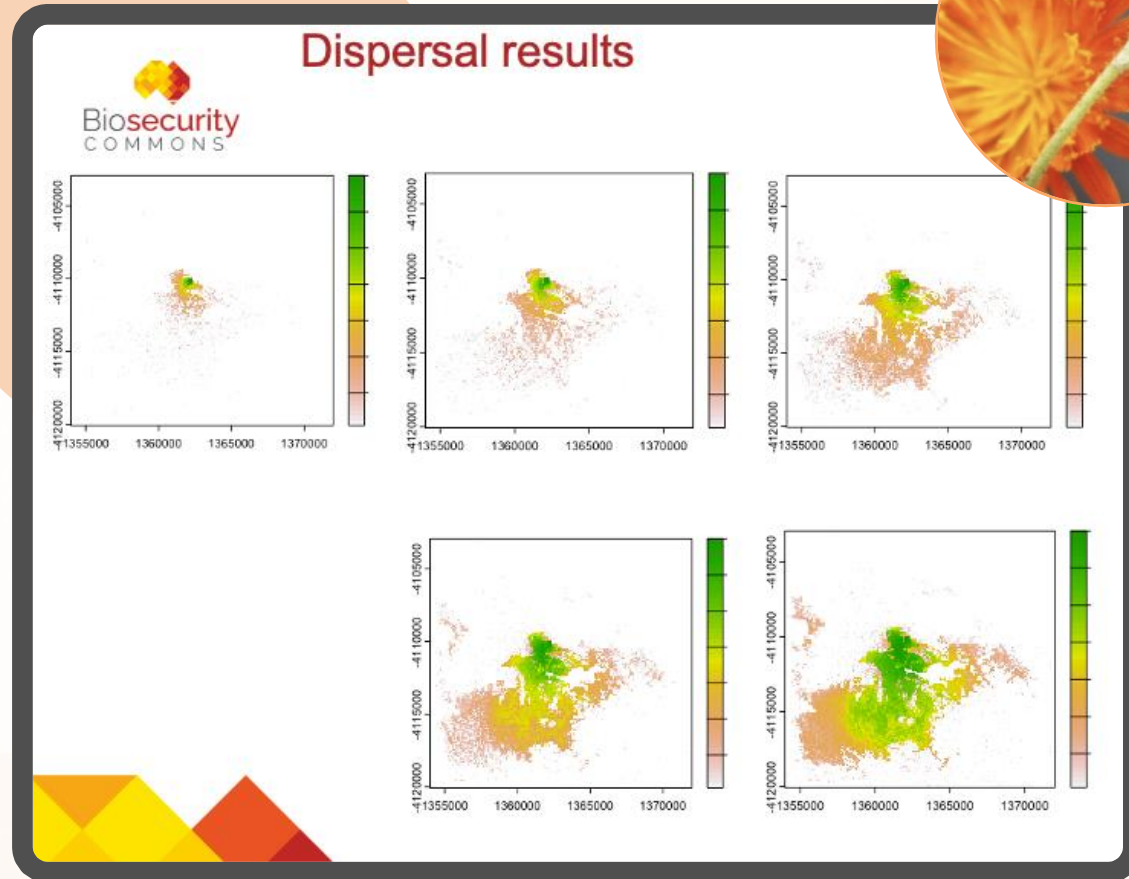




## Training popularity



BCCVL	Views
• Support Articles	35,703
• Training webpages	13,959
• Videos YouTube theory	8,337
EcoCommons	
• Support Articles	1,838
• Learn & Support webpage	496
• Fire use case	334
• Educational Material	315
• R intro & marine use case	200
• Videos Intro to SDM in R	71
• Example code notebooks	no data



## Future training

Biosecurity Commons – providing dispersal modelling.

Capturing how populations change over both space & time

Vision for full spatial PVA analysis on threatened species

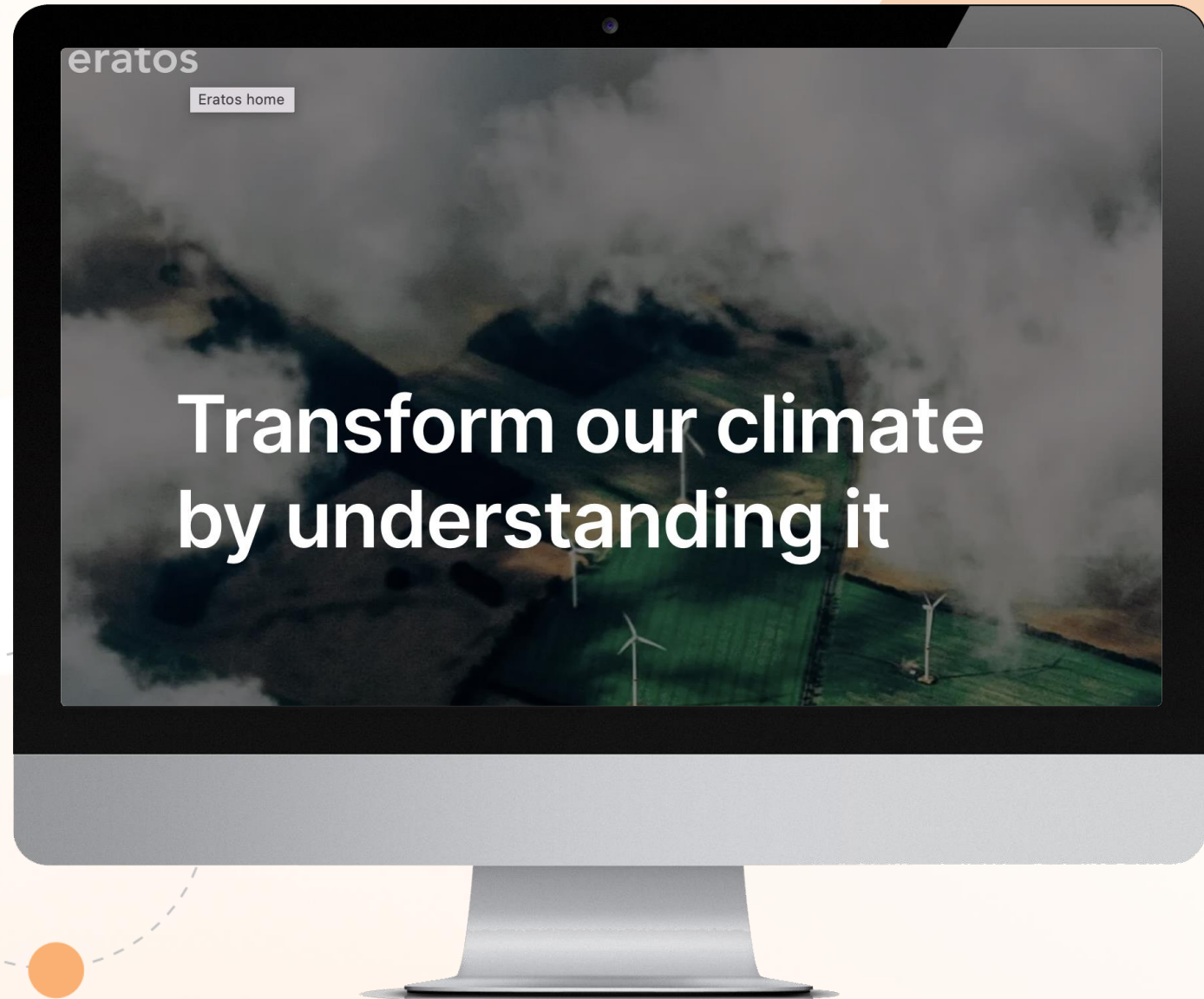


## Future vision


### eratos

Solve scalable problems at high resolution using complex methods on HPC

Training on tools & encourage sharing







A solid  
foundation to  
build toward  
vision

## Training summary



Increase awareness – a lot more could be done here



Generate impact, need to track time, economic and academic benefits of using our new tools.



Build digital literacy – we have a solid foundation and more to do, including collaboration.



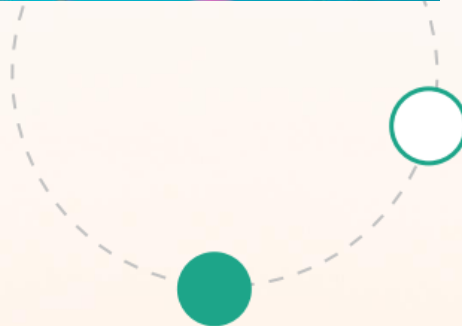
Teach use of our tools, as our tools get more complex ...

so will our training



**Launching November 29, 2022**

At the ESA SCBO Conference in NSW





[www.ecocommons.org.au](http://www.ecocommons.org.au)

We gratefully acknowledge

