

Kit out to amp up - The ARDC Trainer Toolkit



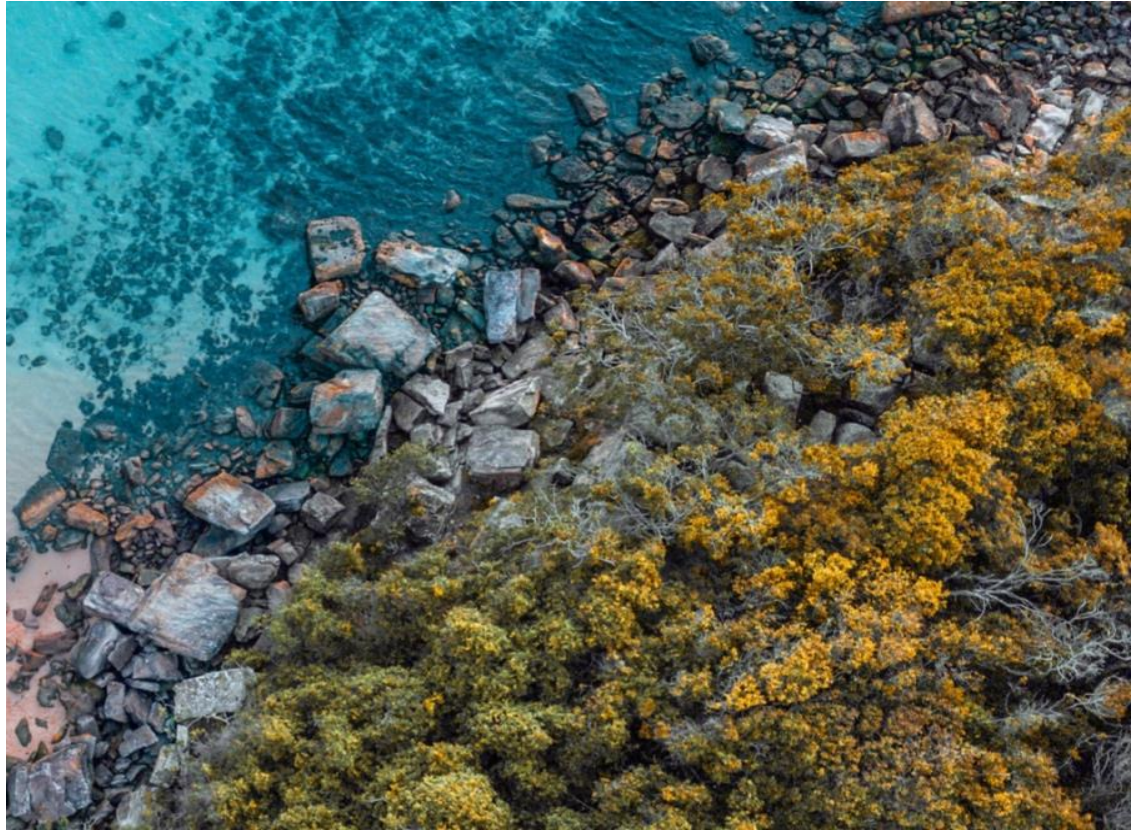
17 October 23

PRESENTED BY

Adeline Wong,
Skills and Workforce Development, ARDC

ACKNOWLEDGEMENT OF COUNTRY

We acknowledge and celebrate the First Australians on whose traditional lands we meet, and we pay our respect to their elders past, present and emerging.





Australian Research Data Commons

Purpose

To provide Australian researchers with competitive advantage through data.

Mission

To accelerate research and innovation by driving excellence in the creation, analysis and retention of high-quality data assets.

ARDC PROGRAMS



Thematic Research
Data Commons



Translational Research
Data Challenges



National Data
Assets



Platforms



Research Software



Digital Research Skills



Data Retention

OUR AUDIENCES



Key stakeholders

Australian Government
Department of Education (funders)
/ NCRIS

Government / Policy

International Data Organisations

National Data Organisations

ARDC Members



People who work with researchers

Infrastructure providers
Universities / Research Institutions

Data Managers

Trainers

Librarians

eResearch / Research
Support Offices



Researchers

Researchers
from any discipline
(academic, but also
government and industry)



THE ARDC DIGITAL RESEARCH SKILLS AGENDA: A National Approach

Our approach addresses 5 key areas. Fundamental to all is the Digital Research Capabilities and Skills Framework.

SKILLED RESEARCHER WORKFORCE



DReSA

[DReSA](#) [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.

Events

Browse and discover training events from across Australasia.

Materials

Browse and discover training materials from Australasian providers.

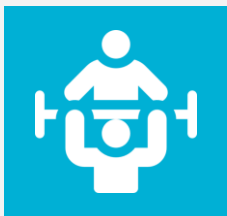
Providers

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

Trainers

Browse and discover Australasian trainers for digital research skills.

Why have a trainer toolkit?



Quality
trainers
enable quality
research



Respond to
identified
trainer
community
needs



Make trainer
resources
more findable



Facilitate
discussion
through a
shared
vocabulary



Encourage learner-
centric approaches
for alignment with
best practice
learning design



What is the trainer toolkit?

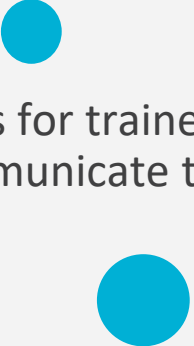


What is the trainer toolkit?




What is the trainer toolkit?

What is the trainer toolkit?



Tools for trainers to communicate their training skills



Tools for trainers to improve their training materials



ARDC Digital Skills Trainer Toolkit 2023



Tools for trainers to communicate their training skills



Tools for trainers to improve their training materials

Frameworks



ARDC Digital Research Capabilities and Skills Framework

Guides



Digital Research Skills Trainer Certification Guide

Learning Design requests

Learning Design Brief

Learning Design Review template

Workshop strategies for co-design

In development

Textual guides

Presentations and videos

Learning Design for Workshops

In development

Guidance materials



Managing Zoom-bombing incidents



Guide to Designing Digital Research Training Materials



Training materials metadata checklist

For Learning Design requests, email us at: contact@ardc.edu.au

Digital Research Skills Trainer Certification Guide

The screenshot shows the ARDC Digital Research Skills Trainer Certification Guide website. The page is divided into several sections, with yellow arrows pointing to specific areas:

- Navigation:** Includes 'About us', 'Programs and Projects', 'Services', 'Resource Hub', 'Get Involved', 'News and Events', and a 'For Researchers' button.
- Header:** ARDC logo and navigation links.
- Main Content:**
 - Digital Research Skills Trainer Certification Guide:** Introduction and purpose.
 - Who Is This Guide For?:** Lists digital and data research skills trainers and supervisors/managers.
 - Why Should I Consider Certification?:** Includes sections on Validation, Findability, Future pathways, and Shared frame of reference.
 - How Are Certificates Awarded?:** Covers Competence, Membership, Internship or apprenticeship, and Achievement.
- Right Column:**
 - Certification Considerations:** A grid of 12 boxes covering Flexibility, Portability, Currency, Recognition, Shelf life, Endorsement, Artefact, Duration, Assessment, Cost, and Theory or practice?
 - Reflections on...:** A section for sharing experiences, featuring a post from 12 October 2021 about the Carpentries Partnership for Australia to Uplift Digital... and a post from 1 March 2023 about Digital Research Skills Trainers Convened at the 2023 ARDC....
 - Related Resources:** A section for finding more resources, featuring a 'Skills Exchange' resource.
 - Share & Print:** Social media and print options.
- Bottom Right:**
 - At a Glance: 10 Trainer Courses:** A list of 10 courses with expandable options (+).
 - The Next Step:** A call to action to read the full guide, with a 'Download Now' button.

ARDC Digital Skills Trainer Toolkit 2023



Tools for trainers to communicate
their training skills



Tools for trainers to improve
their training materials

Frameworks



ARDC Digital Research
Capabilities and Skills
Framework

Guides



Digital Research Skills
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Training Materials








Training materials
metadata checklist

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Guide to Designing Digital Research Training Materials

ARDC
Australian Research Data Commons

Newsletter Subscribe Contact us     


About us Programs and Projects Services Resource Hub Get Involved News and Events **For Researchers**


ARDC > Resource Hub > Guide to Designing Digital Research Skills Training Materials

Guide to Designing Digital Research Skills Training Materials

Need help designing digital research skills training materials? Whether you're developing a textual guide, presentation or video, this self-assessment tool can help you align your material's format and content with best practices.

What Are You Designing?

 **Textual materials**
Star designing >

 **Presentations or videos**
Start designing >

Last updated
31 January 2023

Type
PDF

Categories
[Skills and Guides](#)

Research Topic
[All](#)

Guide to Designing Digital Research Training Materials

The Next Step

The ARDC has developed a more detailed guidance document to help digital research skills trainers design textual materials and design presentations and videos, respectively. For explanations and examples of the elements listed above, please refer to the corresponding sections of the two documents.



Guide to Designing Digital Research Skills Training Materials: Textual Materials

ARDC Ltd. (2023). *Guide to Designing Digital Research Skills Training Materials: Textual Materials*.

DOI: 10.5281/zenodo.7587650

[Download Now](#)



Guide to Designing Digital Research Skills Training Materials: Presentations and Videos

ARDC Ltd. (2023). *Guide to Designing Digital Research Skills Training Materials: Presentations and Videos*.

DOI: 10.5281/zenodo.7587656

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The detailed guide provides:

Explanation

4. External virtual spaces (if used in live presentations)

Provide multiple modes of access to external platforms, e.g. QR codes, links in chat

It can be difficult for the audience to engage with verbal instructions alone. Including multiple ways for the audience to access external platforms provides them with increased opportunities to participate in ways that work best for them, such as on a separate device or on a separate screen or tab.

Demonstrate or explain how to use external engagement platforms (such as Mentimeter and Slido) or breakout rooms

Some in the audience might be unfamiliar with the external platform you are using, and some might need a refresher. There might also be updates to the platforms that can frazzle audience members who think they are familiar with them. Walk your audience through each step so they can fully participate in all platforms. Remember: show, don't tell.

Post-activity arrangements: inform participants of where they should go and when

Post-activity instructions are as important as pre-activity instructions! Help the audience anticipate the next steps so they can concentrate on the task at hand.

Example

Let's take 20 minutes for the next discussion activity. Shall we meet at [state place] to [state activity] at [state time]?

Examples

Outcomes

Stating the target outcomes helps the audience frame their knowledge, focus on the topic and assess their learning progress. Present each outcome separately for ease of identification. It is not necessary to describe the process leading to the outcome.

Poor example

Toolkit outcomes:

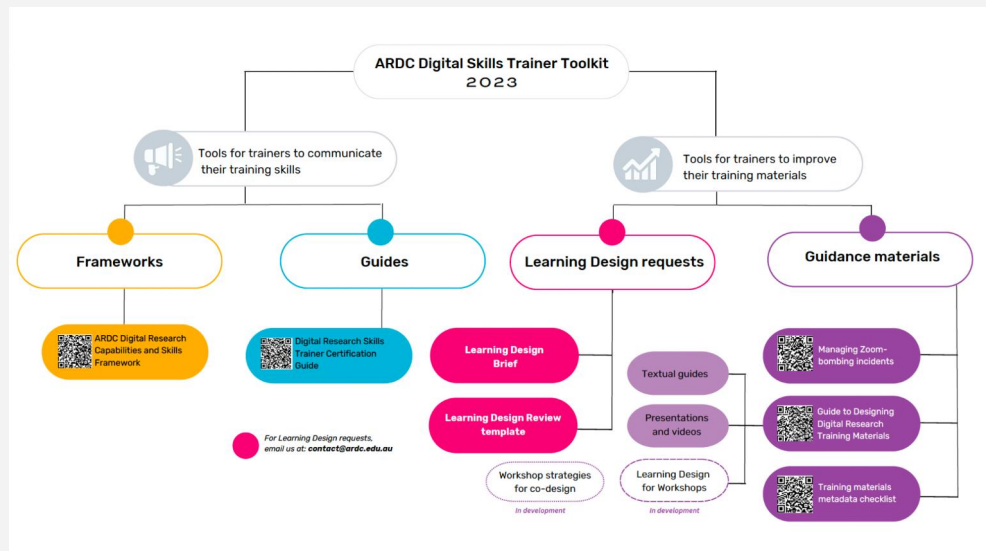
1. Discuss and collaborate to agree on a communication strategy for the project.
2. Identify the primary and secondary target audiences and collate words to use when communicating about the project.
3. Brainstorm desired communication tactics and channels for communicating with your target audiences.

Good example

Toolkit outcomes:

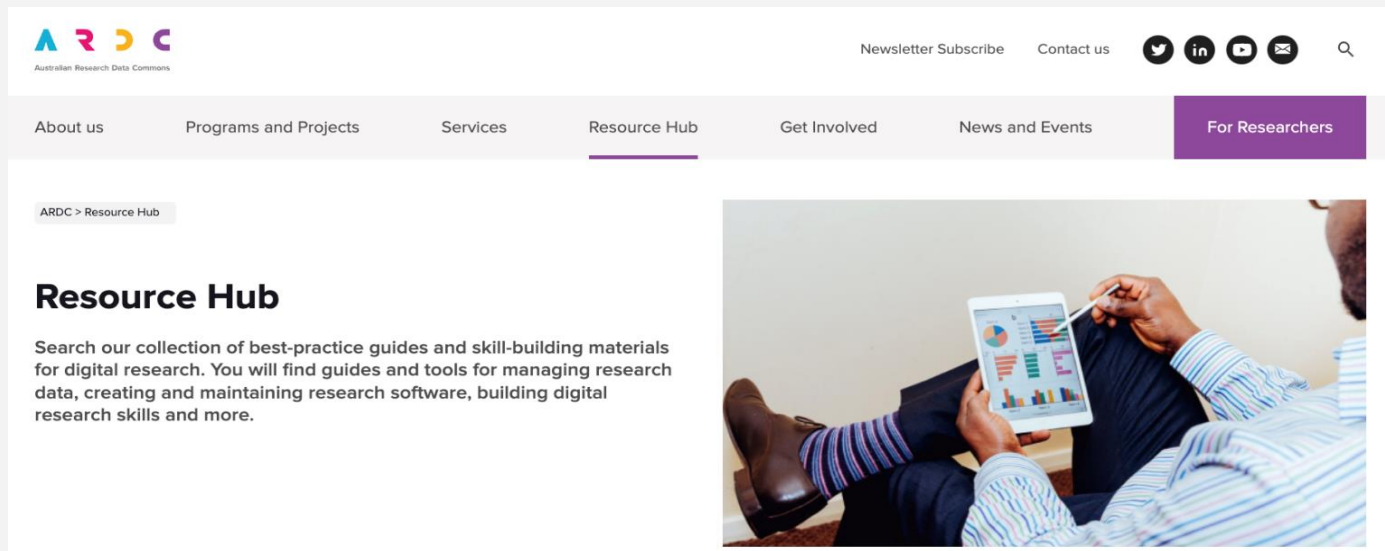
1. a communication strategy for your project
2. target audiences identified
3. words to use when talking or writing about your project with your target audiences
4. communication tactics and channels for communicating with your target audiences

Where can I find the tools?








Tap on the coloured shapes to access the tools!

Where can I find the tools?



The screenshot shows the ARDC website's navigation menu with 'For Researchers' highlighted. The main content area features a breadcrumb trail 'ARDC > Resource Hub', a section header 'Resource Hub', and a descriptive paragraph about digital research guides and tools. An image of a person using a tablet with data charts is also present.

ARDC
Australian Research Data Commons


Newsletter Subscribe Contact us     

About us Programs and Projects Services **Resource Hub** Get Involved News and Events **For Researchers**

ARDC > Resource Hub

Resource Hub

Search our collection of best-practice guides and skill-building materials for digital research. You will find guides and tools for managing research data, creating and maintaining research software, building digital research skills and more.

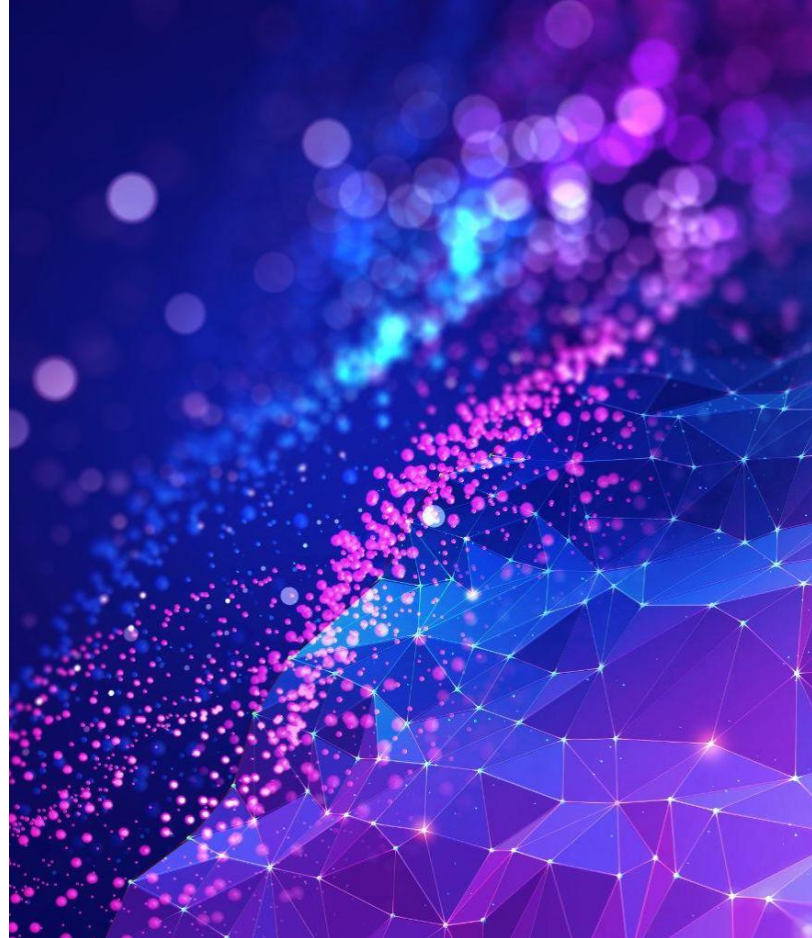


How can I be part of this?

- Use or share the tools
- Co-create with us
- Tell us about an identified gap
- Be part of our continuous improvement process

We'd love to hear what you think.

All feedback and ideas are warmly welcomed!



PRESENTED BY



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