Digital Literacy and Scholarship [at the University of Auckland]

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Please cite as:

Digital Literacy and Scholarship for Researchers at the University of Auckland

CONFERENCE ABSTRACT

National and international groups are recognising the changing needs for research support, and a number of initiatives are beginning to form in order to provide researchers with the digital skills necessary for 21st Century research.

There are discrete areas of emerging leadership and significant expertise both across NZ and within the University of Auckland, providing a significant opportunity to collaborate in order to establish an integrated training programme focused on enhancing our digital research capability.

Following a series of workshops and interviews, we performed a needs analysis at the University of Auckland that highlights areas where skills training is needed or desirable. On this basis, we are in the process of developing teaching modules that can be used for the training of research students and staff. These courses will focus on achieving 3 major goals: skills acquisition, skills competencies, and a change of mindset, which are necessary for the success of our programme.

We will summarise the results of our needs analysis and present the basic course design that will form an integral part of our digital training strategy.

eResearch Christchurch

Software Carpentry

Then what?

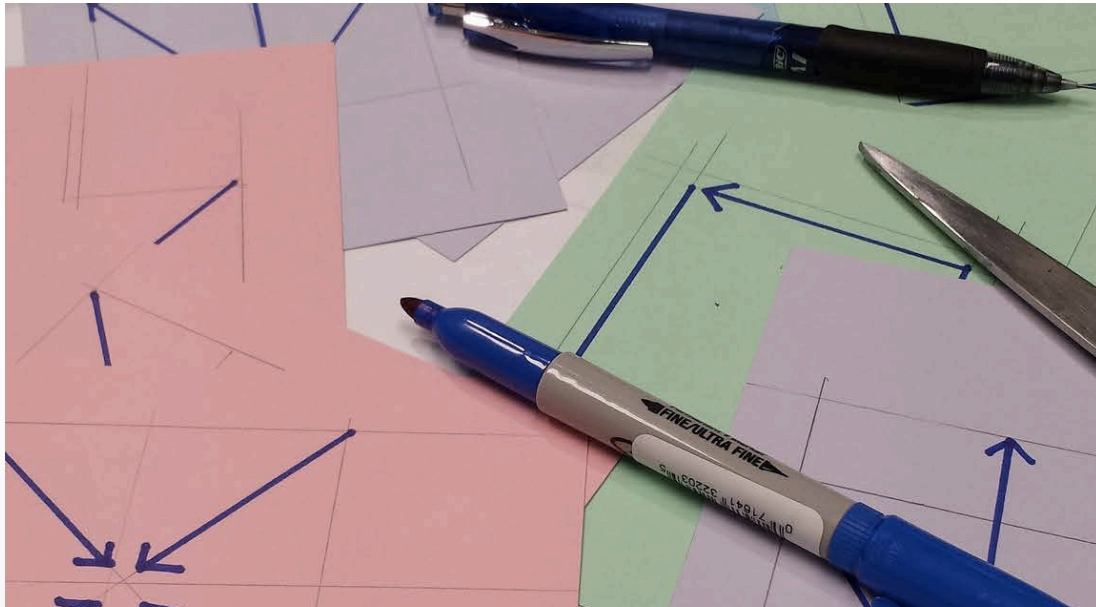(self-directed learning,
Peng's MOOC,
etc.)

eResearch Hamilton

- Kaitlin Thaney (Mozilla Science Labs)
  - o + Nick D Jones,
  - o + Cameron A McLean

  embed Software Carpentry into the curriculum?

MozFest, London

- Billy Meinke (Creative Commons HQ)

- Sprint: "Skills and Curriculum Mapping for Open Science"

MozFest, London

OBJECTS	ACTIONS
TEXT	CREATE
CODE	SHARE
DATA	REUSE

MozFest, London

Image: CC-BY Billy Meinke
(https://blog.creativecommons.org/tag/mozilla-festival/)

University of Auckland
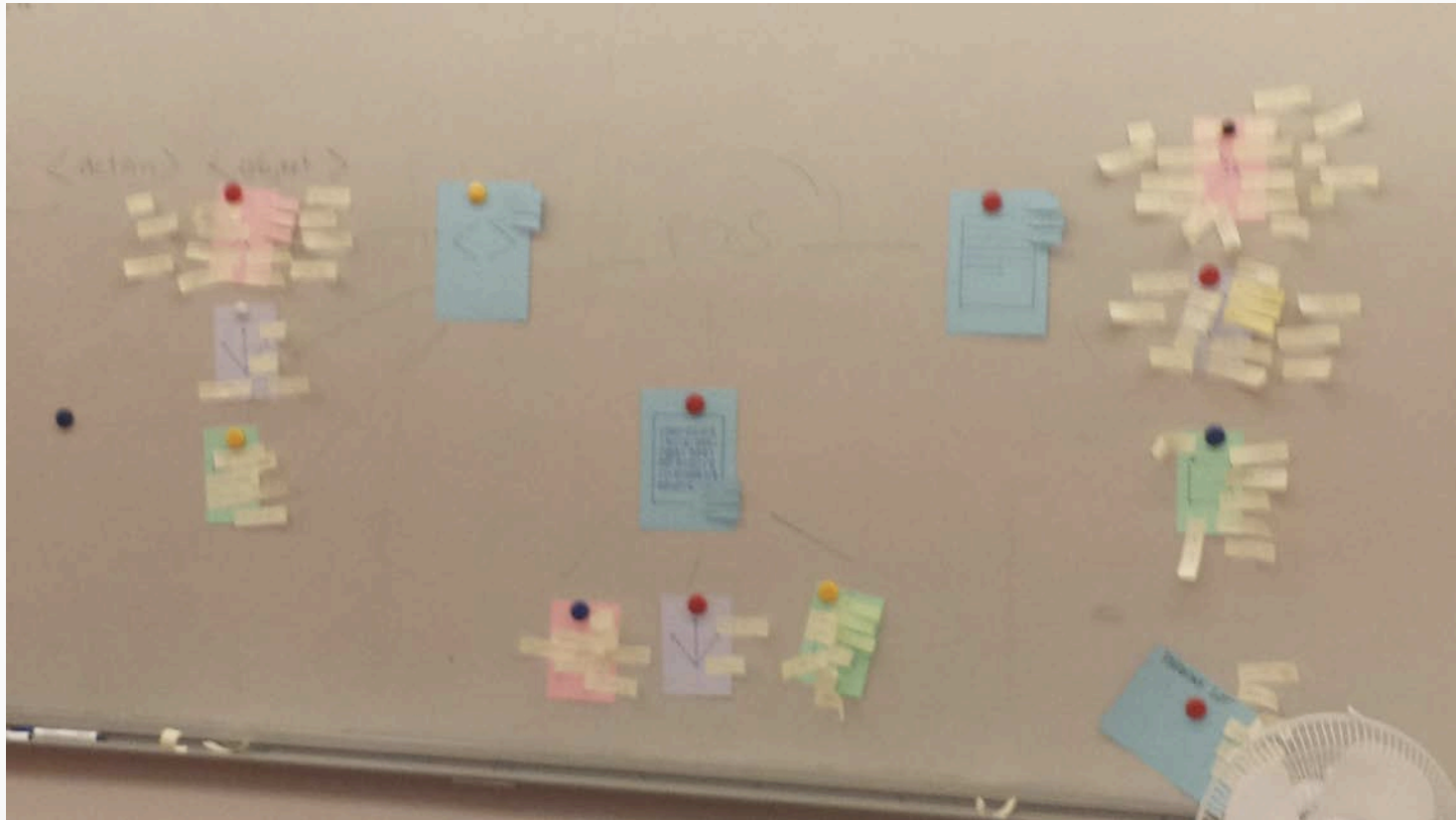
eResearch Queenstown

- \+ Matt McGregor (CCANZ), Cameron A McLean (CeR UoA)

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SWC/ResBaz @Melbourne
+
Kiwi Foo

- + John Hoskings, Kaitlin Thaney, Nick Jones

eResearch Advisory Board

- \+ Nick D Jones (NeSI)
- \+ Poul Nielsen (ABI)
- \+ Mark Gahegan (CeR)
- \+ Adam Blake (CLeAR)

➔ Vice Chancellor's Strategic Development Fund : "Digital Literacy and Scholarship for Researchers"

VCSDF: Needs Analysis

- \+ Research Office,
- \+ CLeAR,
- \+ ITS,
- \+ Library,
- \+ CeR,
- \+ MBIE,
- \+ Course offerings

ResBaz Auckland

- + NeSI
- + CeR
- + FoS
- (+ VCSDF)

ResBaz Dunedin

- + Mik Black
- + Tom Kelly & Murray Cadzow
- + NeSI
- (+Otago School of Medical Sciences)

What we've learned

Skills | Practice | Mindset

- Content Driven

Data management | Provenance/version management | Metadata | Working outside the box | | Reproducible Workflows | Sharing and Publishing | Licencing | Basic scripting and programming | Digital Identifiers | Graphics and visualisation

- Behaviour Driven

Shared language | Quality control/Excellence | Collaborating | Working outside the box | Sharing and Publishing Infrastructure (overview and awareness)

What next?

- Community agreement on the content (or specific elements of it)

- Then →

- Institutional-level agreement on the modes of delivery

Contributors and Funding