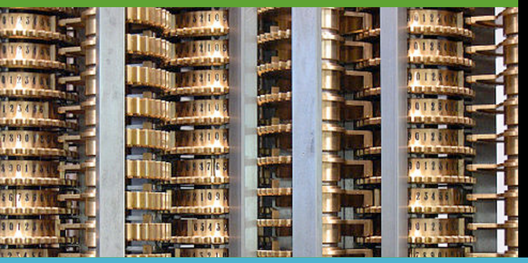
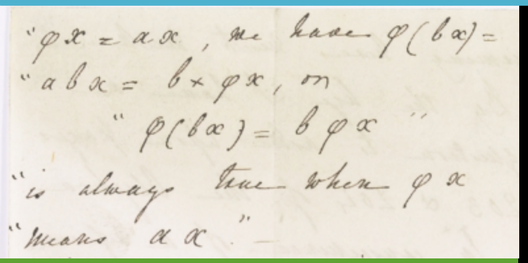


Serendipity By Design:

empowering digital scholarship in the library



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17 April 2018
ILIDE International Conference
Ski and Wellbeing Residence, Družba, Jasná, Slovakia

Pip Willcox
Centre for Digital Scholarship
@pipwillcox

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Oxford e-Research Centre

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Mission

- ✦Define and disseminate emergent digital scholarship
- ✦Inspire multidisciplinary digital curiosity
- ✦Open imaginations

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Mission

- ✦Define and disseminate emergent digital scholarship
- ✦Inspire digital curiosity
- ✦Open imaginations

- ✦Ideas
- ✦People
- ✦Technology

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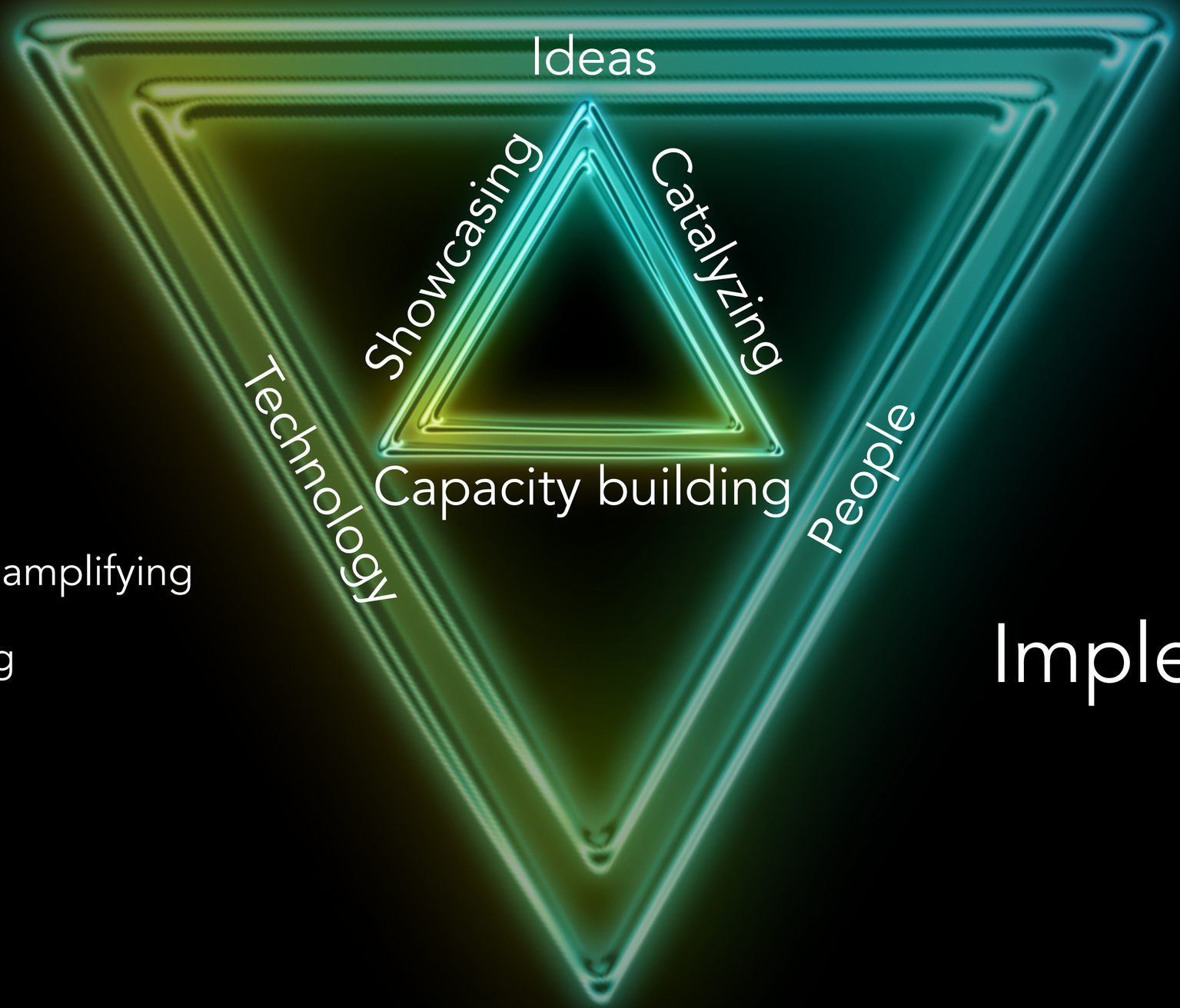

- Showcasing and amplifying
- Capacity building
- Catalyzing

Implementation

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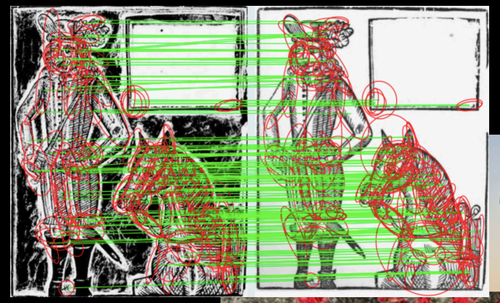
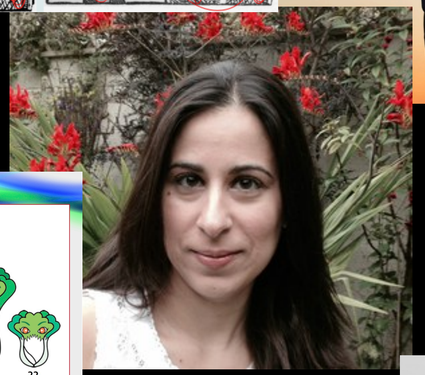
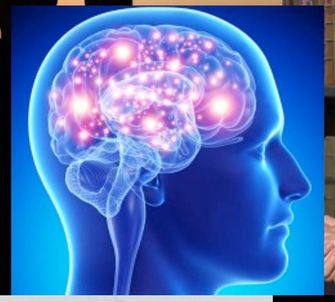
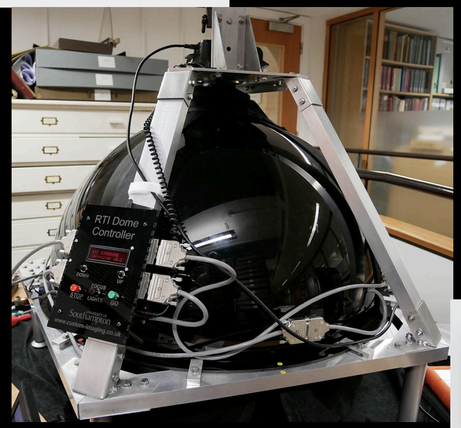
Research Uncovered public talks

—*showcasing*—









- Altered senses, excited brains and ageing grey matter: investigating the brain basis of autism, schizophrenia and dementia Capacity building
- Accelerating the Diagnosis of Drug-Resistant Tuberculosis: using a Combined Genetic and Computational Approach
- Beyond reading: understanding the book through computer vision
- Capture, Model, Interpret: new ways of imaging ancient text artefacts
- Digitizing meningitis: thirty years of sequencing the meningococcus
- Procedural Blending: Modelling process in sound art practice
- Revisiting the effect of red on competition in humans
- Social and Cognitive Dimensions of the Lexicon
- Social Media: The risks, the opportunities and what it means for you and me
- The Drones Club: Consumer UAVs, their (ab)uses, and some possible countermeasures
- The Art of Seeing

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Capacity building

—enabling—

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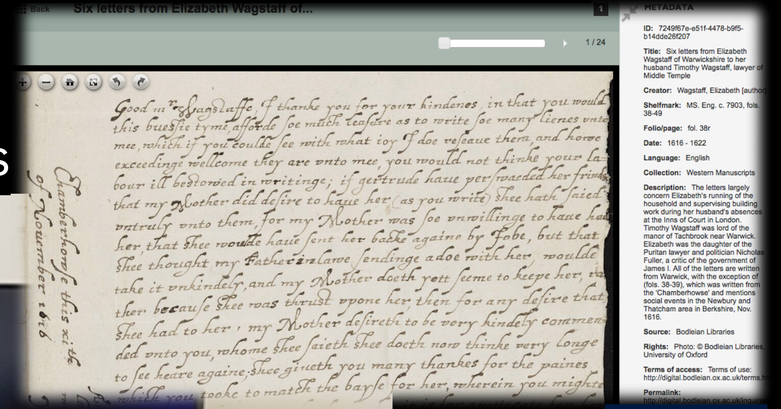
DIGITAL HUMANITIES AT OXFORD SUMMER SCHOOL

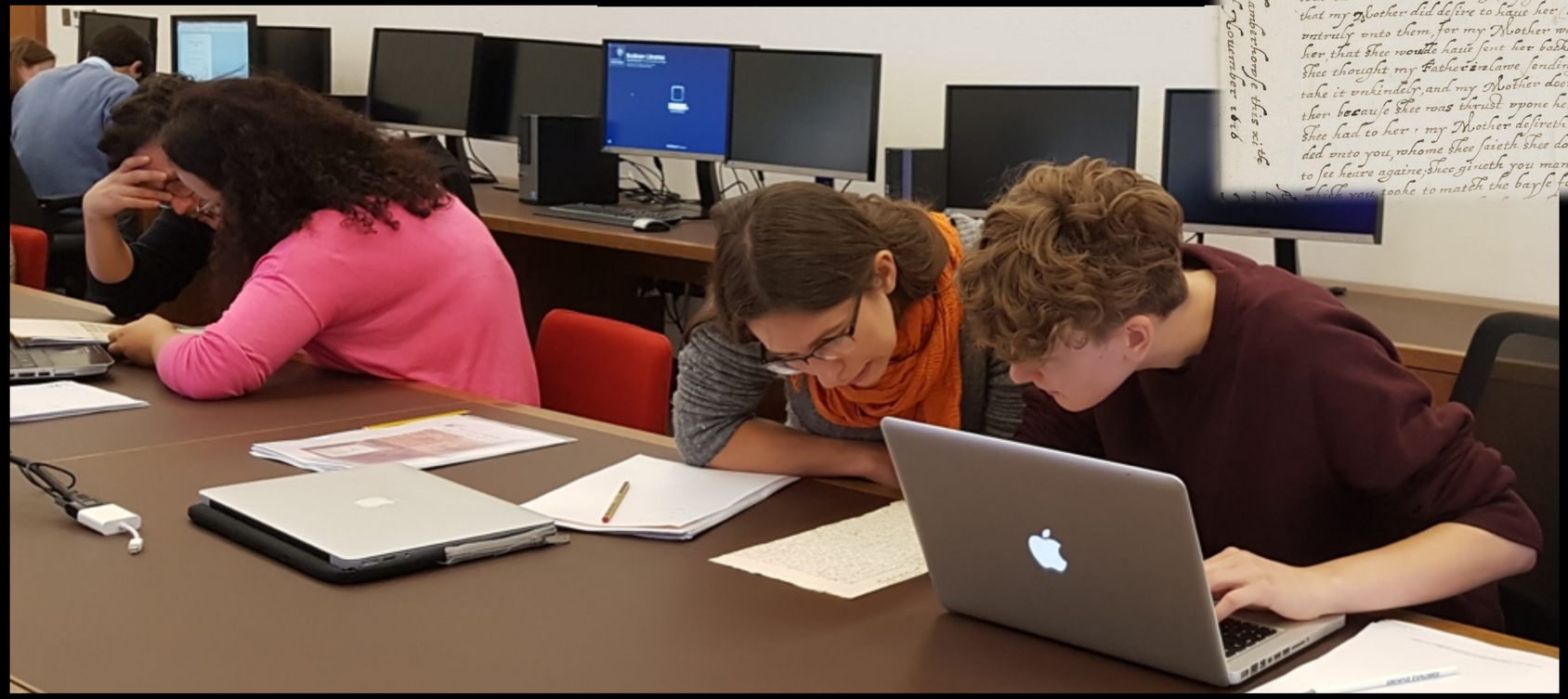
http://www.dhoxss.net/

Bodleian Student Editions



DATA CARPENTRY

Reproducible Research Oxford



EARLY MODERN letters ONLINE

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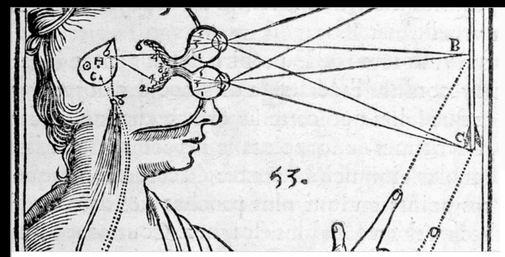
Seeding ideas across disciplines

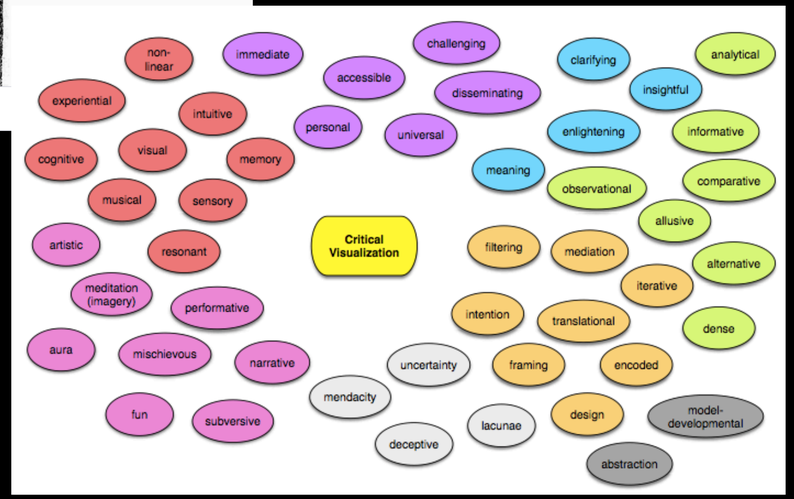
—catalyzing—



DEC
13

Critical Visualization: TORCH network launch

by Ségolène Tarte & Pip Willcox



Critical Visualization — TORCH network — BrainFEST

Ségolène Tarte

Chrystalina Antoniades

Alexandra Franklin

Digital Wildfire — Visual Analytics — Is a lie told 100 times true?

Helena Webb

Margaret Varga

Menisha Patel

Trust network
Trustworthiness metrics for social media
Risks and opportunities of social media
Truth and objectivity in conflict reporting
Blockchain technology
Shared methods workshop
…

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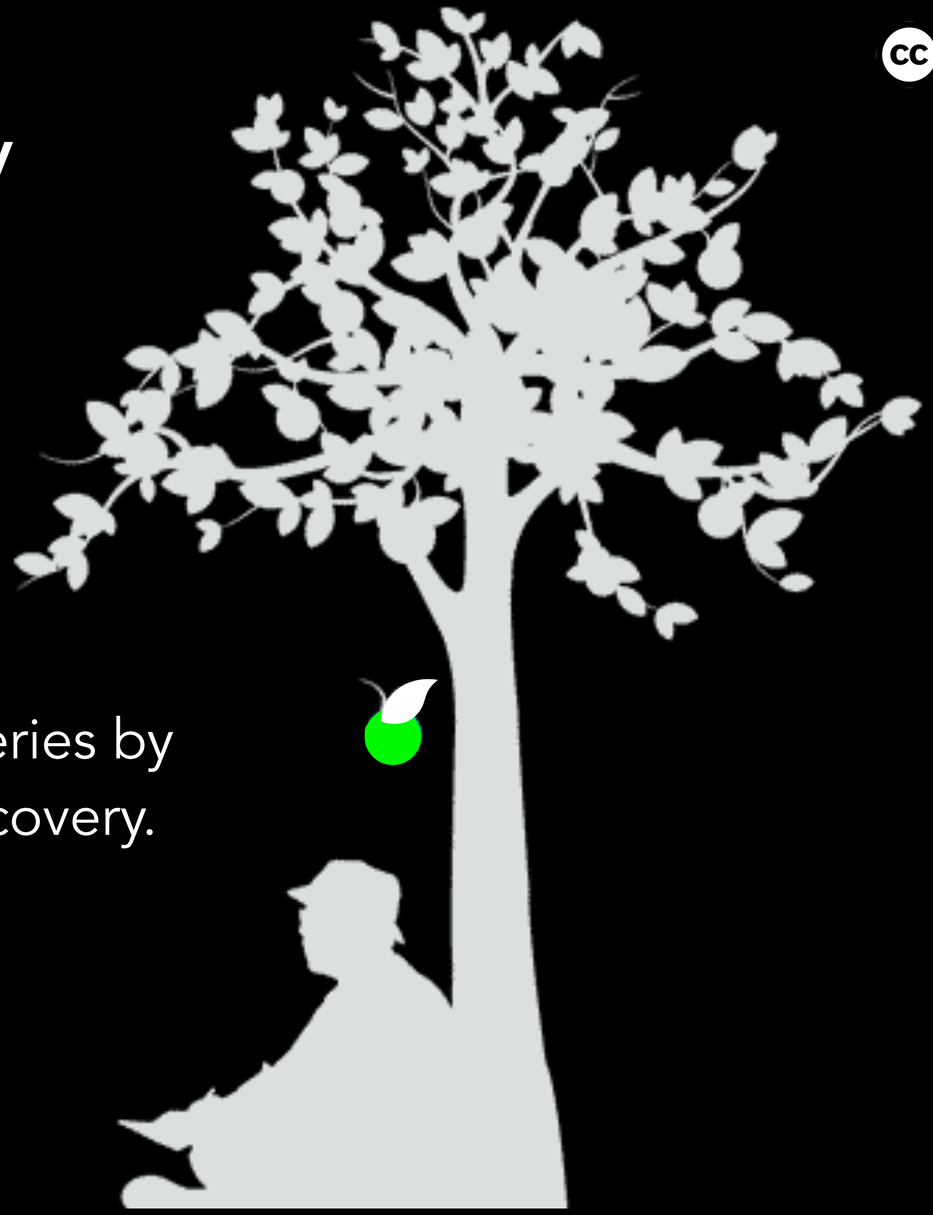
Serendipity



The faculty of making happy and unexpected discoveries by accident. Also, the fact or an instance of such a discovery.

Derivative: **serendipitist**

"serendipity, n." OED Online, Oxford University Press, March 2018, www.oed.com/view/Entry/176387. Accessed 16 April 2018.

Image: http://www.serendipitywinery.com/; edited: Pip Willcox

Navigating digital scholarship

—challenges—

- Advocacy
- Collections knowledge
- Communications and publicity
- Funding
- One person deep
- Programmes of events
- Reporting to multiple entities
- Research knowledge
- Strategy and policy
- Technical knowledge
- Training, teaching
- "Translators"

Image: Pip Willcox

Navigating digital scholarship

—we are not alone—

- Coalition for Networked Information (CNI) Digital Scholarship Planning Workshop
- Digital Libraries Federation (DLF): https://www.diglib.org/
- New DLF Miracle Workers Working Group (Leigh Bonds & Alex Gil): https://groups.google.com/forum/#!orum/dlf-miracle-workers/join

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Image: https://www.zenman.com/blog/stick-around-its-nice-to-navigate/

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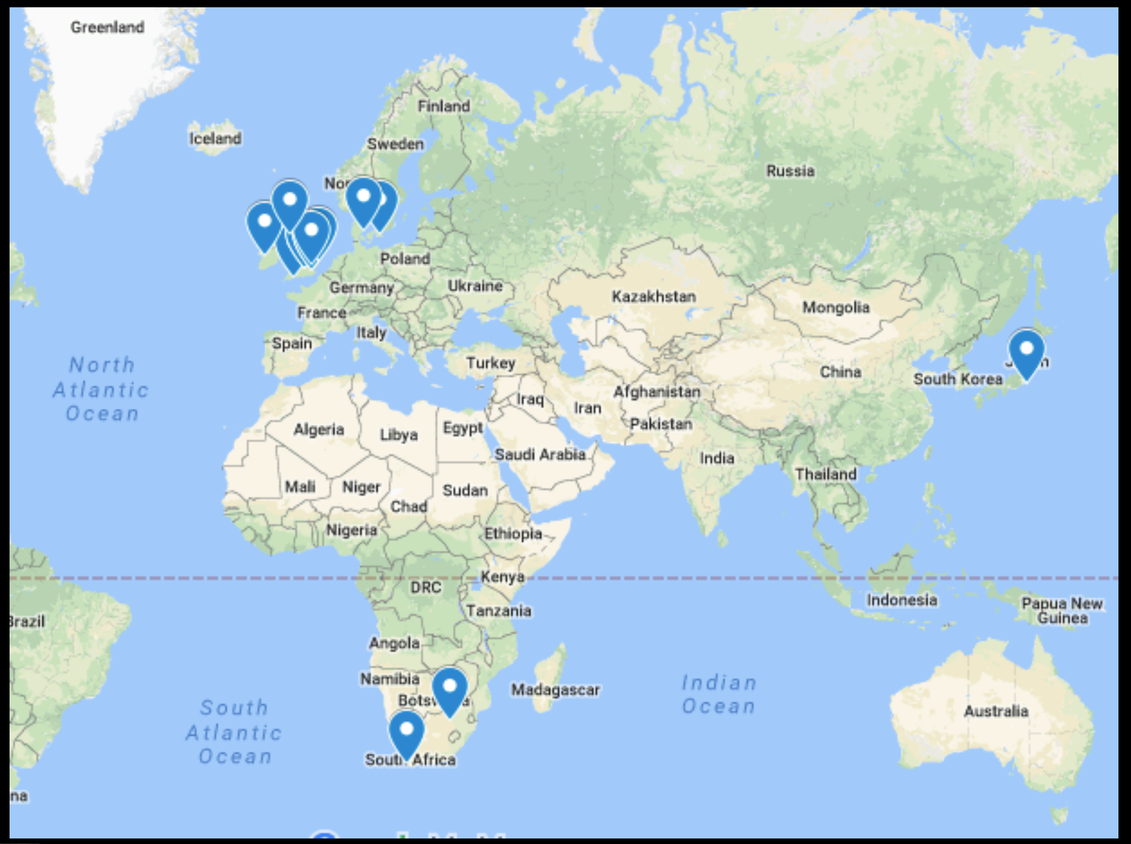
Digital Research Cluster

Enabling Digital Scholarship

—present and future—



Google map: https://goo.gl/9HDc7M

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Enabling Digital Scholarship
—present and future—

- What does digital scholarship look like in our various contexts?
- What are our institutional, regional, national, international missions in this field?
- What is needed to implement them?
- Can we collaborate to achieve our aims?
- Where is the field going to be in 10 years' time?
- How can we prepare our institutions and this network for that future?

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Digital
Humanities
Scholarship
digital
people
research
project
scholarship
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training
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University
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Oxford
Bodleian
Libraries
humanities
funding
tools
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new
support
collaboration
management
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researchers
methods
team
use
thinking
across
collections
staff
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Mahony
Paul
Joliffe
Mark
Hedges
Kiyonori
Nakamura
Renate
Welcome
James
Session
requirements
specific
now
courses
expertise
traditional
university
time
MA
departments
history
working
Bodleian
critical
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Scholarship
digital
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Roles for the library

Expertise

Diversity

Infrastructure

Career progression

Training

Sustainability

Collections

Funding

Copyright

Data creation & reuse

Images: http://igadgetarena.com/expert-technical-consultancy-brings-edge-communications-business/; http://www.cairoeducation.com/upcoming-training/; https://www.epic.com/community/sharing; https://www.brown.edu/academics/gradschool/news/2015-10/gradcon-2015-registration-open; https://www.nissatech.com/big-data-analytics/

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Roles for the library

Expertise
Curatorial
Technical
Field specialists

Diversity
Pervasive
Listen to silence
Data: AI is here

Infrastructure
Human
Physical
Digital

Career progression
Ethical contracts
Recruitment
Promotion

Training
IT
Applied
Sharing

Sustainability
Teams
Knowledge
Preserving data

Collections
Physical
Digitized
Born digital

Copyright
Clear
Open
Enabling

Data creation & reuse
Collections = data
FAIR
Enriched

Funding
Core team, plus
Maintenance
Targeted experimenting

Images: http://igadgetarena.com/expert-technical-consultancy-brings-edge-communications-business/; http://www.cairoeducation.com/upcoming-training/; https://www.epic.com/community/sharing; https://www.brown.edu/academics/gradschool/news/2015-10/gradcon-2015-registration-open; https://www.nissatech.com/big-data-analytics/

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Empowering digital scholarship

—a serendipity design stack—

1. Building capacity
2. Sustaining multidisciplinary serendipitists
3. Computational literacy: reading and writing*
4. Access to data, collections, and tools
5. Welcoming, safe spaces for dangerous ideas
6. Credit: co-authorship, recruitment, promotion
7. Curation, discovery, connection: data, publications, resources, people

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* With thanks to Gabriel Egan for the analogy.

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Menisha Patel
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Emma Stanford
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David Watson
Helena Webb
Mike Webb

Image: http://upliftconnect.com/takes-village-raise-child/s

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