Serendipity By Design:
empowering digital scholarship in the library

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ILIDE International Conference
Ski and Wellbeing Residence, Družba, Jasná, Slovakia

Pip Willcox
Centre for Digital Scholarship
@pipwillcox
Mission

✧ Define and disseminate emergent digital scholarship
✧ Inspire multidisciplinary digital curiosity
✧ Open imaginations
Mission

✦ Define and disseminate emergent digital scholarship
✦ Inspire digital curiosity
✦ Open imaginations
✦ Ideas
✦ People
✦ Technology
Implementation

✦ Showcasing and amplifying
✦ Capacity building
✦ Catalyzing
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
Capacity building —enabling—

THE UNIVERSITY OF OXFORD
DIGITAL HUMANITIES
AT OXFORD SUMMER SCHOOL

http://www.dhoxss.net/

Bodleian Student Editions

Reproducible Research
Oxford
Seeding ideas across disciplines

—catalyzing—

Critical Visualization — TORCH network — BrainFEST
Ségoïlène 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

...
Serendipity

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

Derivative: serendipitist

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
- New DLF Miracle Workers Working Group
  (Leigh Bonds & Alex Gil):
  https://groups.google.com/forum/#!orum/dlf-miracle-workers/join

Image: https://www.zenman.com/blog/stick-around-its-nice-to-navigate/
Enabling Digital Scholarship
—present and future—

Google map: https://goo.gl/9HDc7M
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?
Roles for the library

Expertise
- Curatorial
- Technical
- Field specialists

Diversity
- Expertise
- Training
- Sustainability
- Roles for the library
- Clear
- Collections = data
- FAIR
- Enabling
- Enriched

Career progression
- Ethical contracts
- Recruitment
- Promotion
- Teams
- Knowledge
- Preserving data
- Sustainability
- Core team, plus
- Maintenance
- Targeted experimenting

Data creation & reuse
- Data: AI is here
- Copyright
- Physical
- Digitized
- Born digital
- IT
- Applied
- Sharing
- Training
- Collections
- Infrastructure
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

* With thanks to Gabriel Egan for the analogy.
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Image: http://upliftconnect.com/takes-village-raise-child/s