

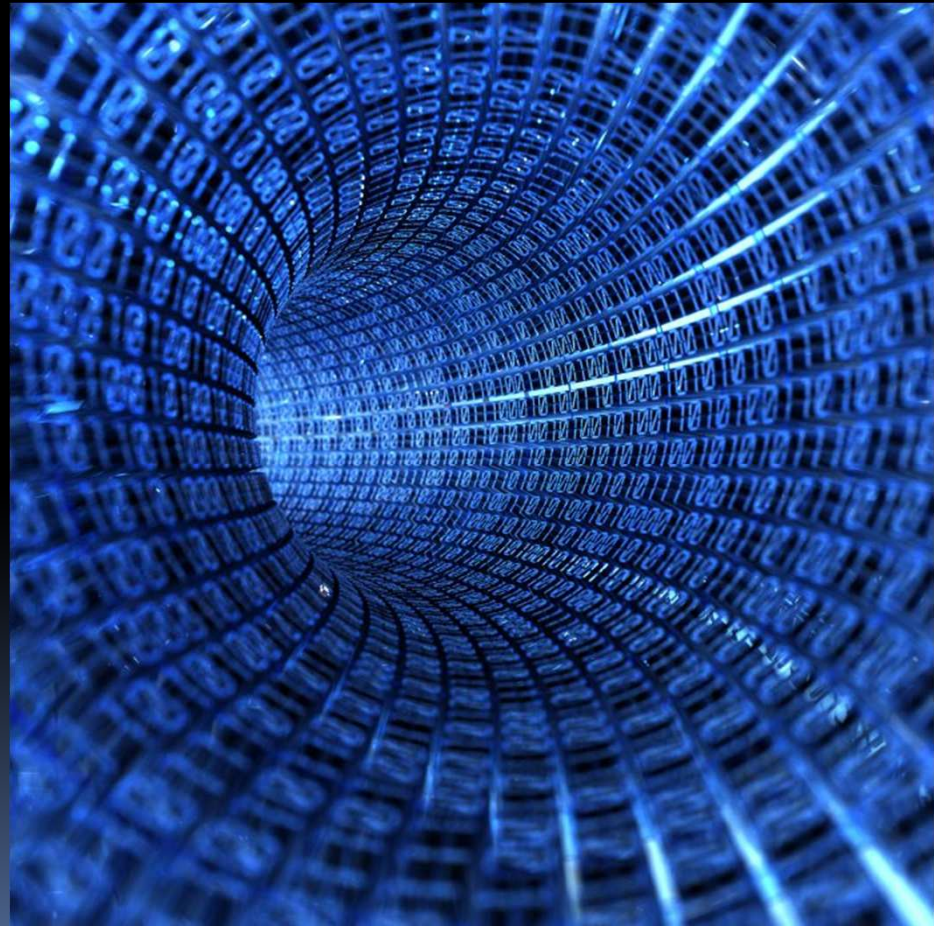


IDCC Workshop, Bristol
5 December, 2011
Robin Rice
University of Edinburgh

DELIVERING POSTGRADUATE TRAINING - MANTRA

Context: Data Library services and projects

- Data Library & consultancy
- Edinburgh DataShare
- JISC-funded projects
 - DISC-UK DataShare (2007-2009)
 - Data Audit Framework Implementation (2008)
 - Research Data MANTRA (2010-2011)



Research Data Management Training (MANTRA)

- Aims to:
 - Raise awareness of the key issues related to data management
 - Provide guidelines for good practice in research data management
 - Contribute to long-term culture change in data management and sharing practice.

MANTRA in JISC Training Strand of JISC MRD Programme



- Creation of open online learning materials in RDM for postgrads and early career researchers
- Grounded in three disciplines, working with graduate schools
- Video stories from researchers in variety of settings
- Data handling exercises in four data analysis environments: R, SPSS, NVIVO and ArcGIS



.ash on flickr (CC-BY-ND)

Online learning module

- Eight units with activities (quizzes), scenarios and videos:
 - Research data explained
 - Data management plans
 - Organising data
 - File formats & transformation
 - Documentation & metadata
 - Storage & security
 - Data protection, rights and access
 - Preservation, sharing and licensing
- Plus Recommended Resources for each topic
- Clips from video interviews embedded in units

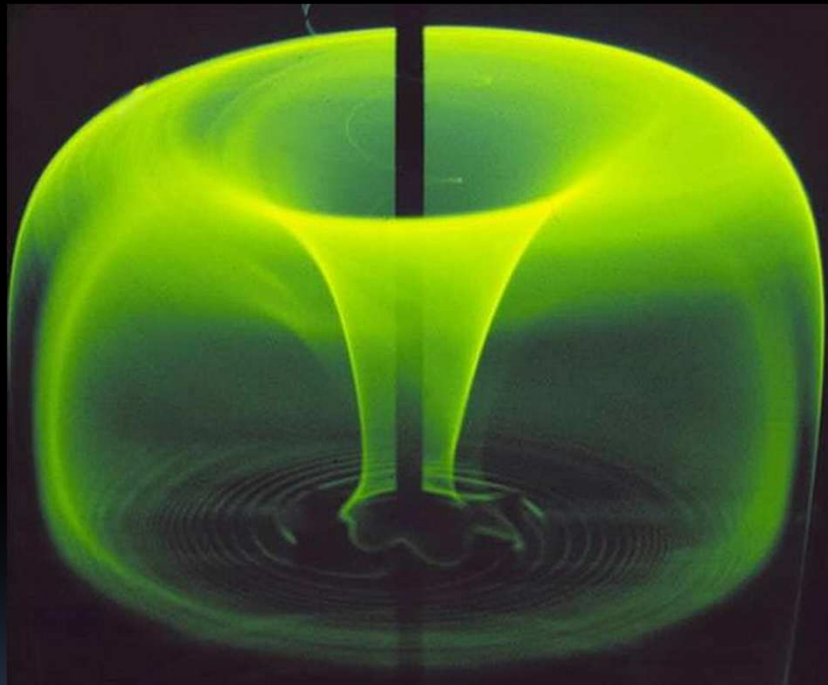
Data handling software practicals

- SPSS – by Joan Corbett, SCOTCEN, National Centre for Social Research Methods
- R – by Dr. Duncan Smallman
- NVivo – Dr. Aikaterini Chatsiou (UK Data Archive)
- ArcGIS – by James Crone, EDINA

- Grounded in needs assessment and feedback from the 3 graduate programmes

*Download PDF exercises and datasets,
work at your own pace*

Selling Research Data Mgmt as a Transferrable Skill



*Green Apple by Image Editor, flickr
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The FRUIT principles:

- Fun
- Relevant
- Useful
- Interactive
- Timely

OER

Definition of Open Educational Resources:

“...teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property licence that permits their free use or re-purposing by others” *

Which CC license to use?

- MANTRA used a Creative Commons Attribution license
- Allows very open sharing
- Limits secondary materials we can re-use

* Atkins, D.E., Brown, J.S., & Hammond, A.L. (2007). A Review of the Open Educational Resources (OER) Movement: Achievements, Challenges, and new Opportunities. Menlo Park, CA: The William & Flora Hewlett Foundation

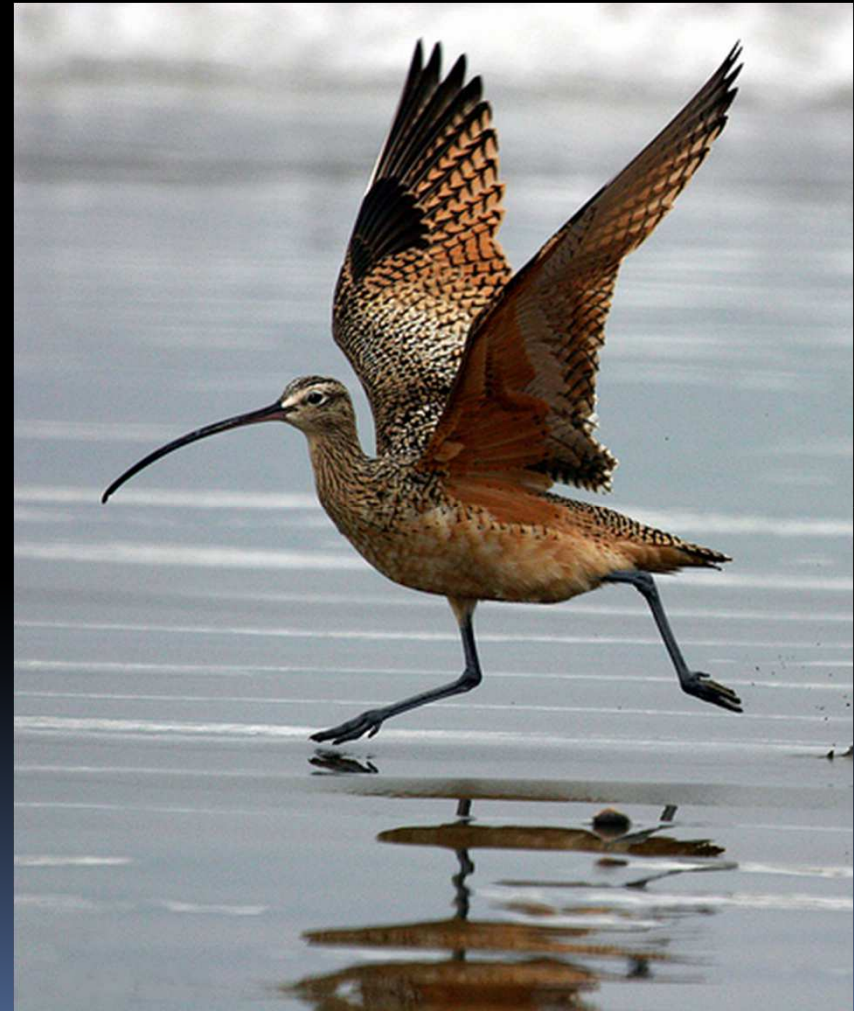
Authoring tool

Xerte Online Toolkits by University of Nottingham

- Open source eLearning authoring tool
- Server-based suite of tools for content authors
- No programming required
- Uses simple page templates and wizards to incorporate all kinds of content
- Content authors can easily collaborate on projects
- Produces SCORM 1.2 compliant output

Critical success factors

1. The commitment of academic staff to the project
2. Positive feedback from user testing
3. Increased advocacy and awareness of research data management best practice across the University.
4. Evidence that the course is useful and used in other contexts outwith the University of Edinburgh.



Curlew, Mikebaird on flickr

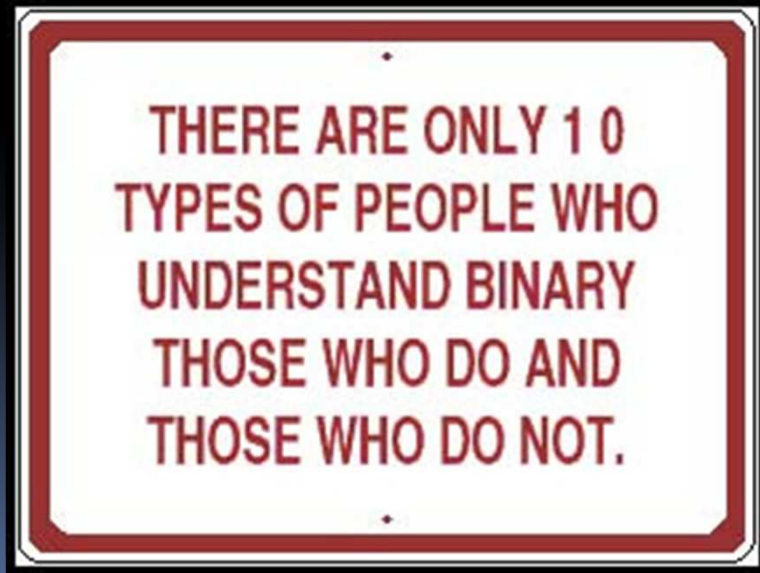
Links

- MANTRA course

<http://datalib.edina.ac.uk/mantra>

- Xerte Online Toolkits

<http://www.nottingham.ac.uk/xerte/toolkits.htm>



- *R.Rice at ed.ac.uk*