Tools for managing research data: DAF and DRAMBORA

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HATII, University of Glasgow

Data Audit Framework

Research Data Management workshop

20th October 2008, Said Business School, Oxford

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Data Audit Framework

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Data management: where to being?

- Find out what you have
- Find out what has been happening
- Decide what you want to happen
- Implement those changes
- Check you're doing what you say you do

Where each of these tools helps

- Find out what you have
- Find out what has been happening
- Decide what you want to happen
- Implement those changes

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- Check you're doing what you say you do

Data Audit Framework

Background: a recommendation

"JISC should develop a Data Audit Framework to enable all universities and colleges to carry out an audit of departmental data collections, awareness, policies and practice for data curation and preservation"

Liz Lyon, Dealing with Data: Roles, Rights, Responsibilities and Relationships, (2007)

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Data Audit Framework

Organisations involved

- DAF Development Project

  (HATII, University of Glasgow; King's College London; University of Edinburgh; UKOLN, University of Bath)

- Four pilot implementation projects
  - University of Edinburgh
  - King's College London
  - Imperial College London
  - University College London

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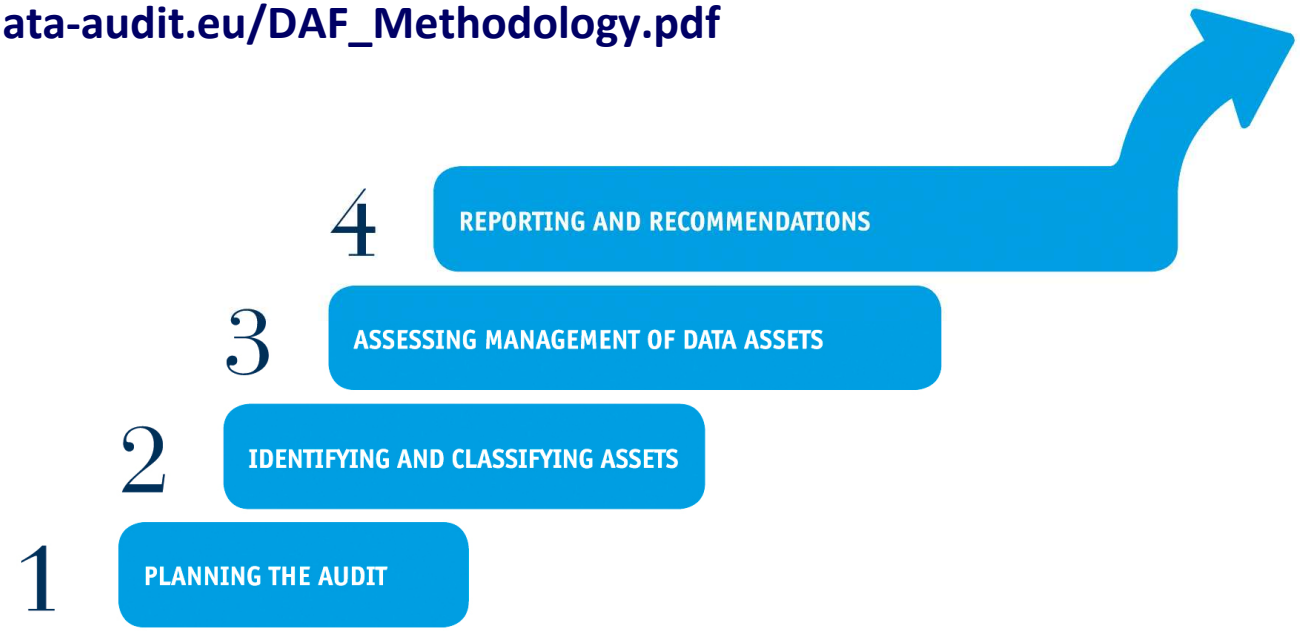
DAF methodology

http://www.data-audit.eu/DAF_Methodology.pdf



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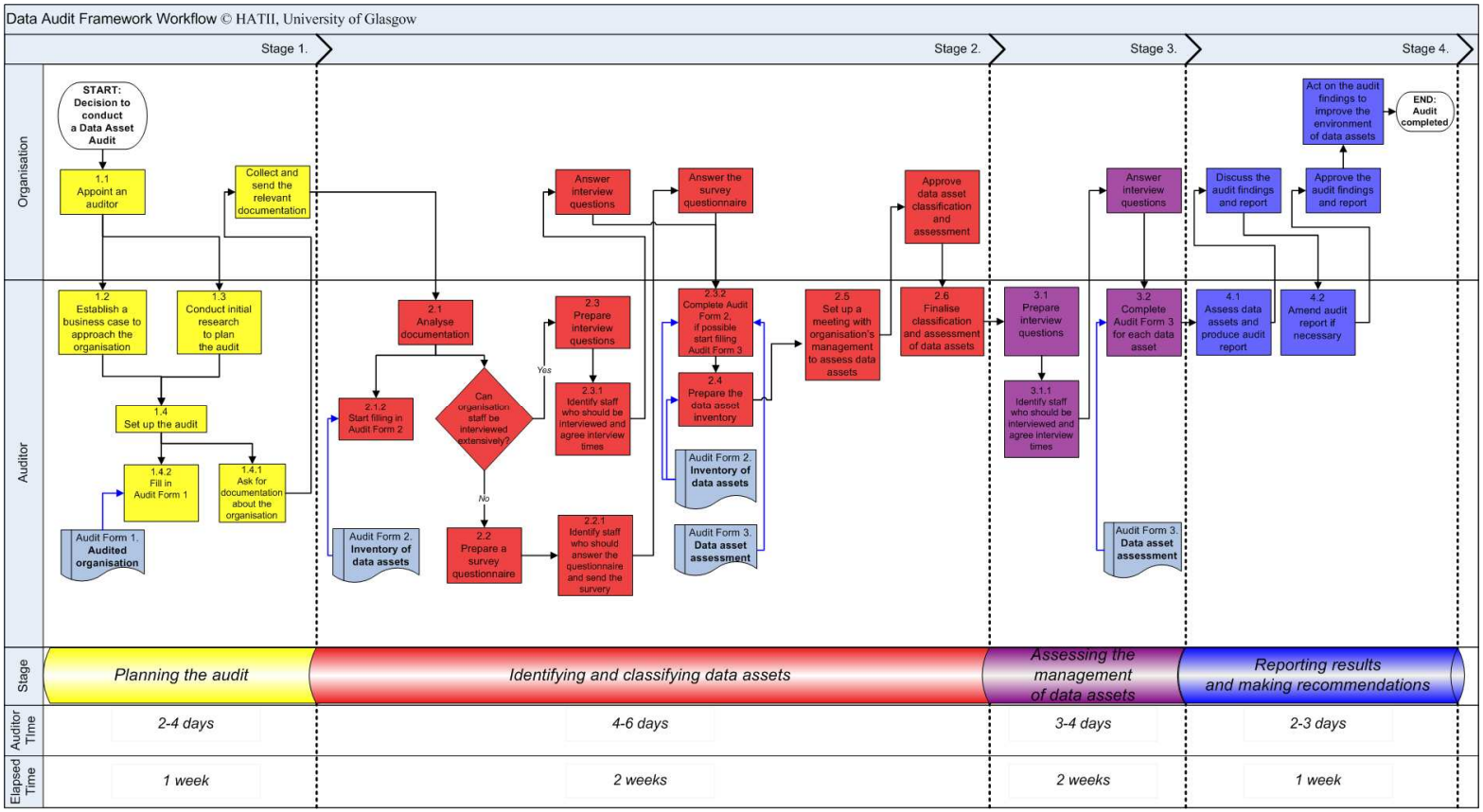
Workflow and tasks



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Pilot audits

- Glasgow University Archaeological Research Division (GUARD)
- Innovative Design and Manufacturing Research Centre (IdMRC) at University of Bath
- School of GeoSciences at University of Edinburgh
- Early Imperial College pilot audit

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Broad conclusions

- Lots of data being created
- Few policies for data creation and management
- Researchers unsure where to begin
- Unaware of available support
- Often no place of deposit or funds for preservation

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Online tool: audit stages

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Online tool: questionnaires

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Next steps

- Training events
- Pilot implementation projects / early adopters
- Redeveloping methodology and online tool
- Building user support

http://www.data-audit.eu

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What is DRAMBORA?

Digital Repository Audit Method Based on Risk Assessment

- Identifies strengths and weaknesses
- Assists repositories to identify priorities and plan work

"converting uncertainties into
measurable and manageable risks"

Development of DRAMBORA

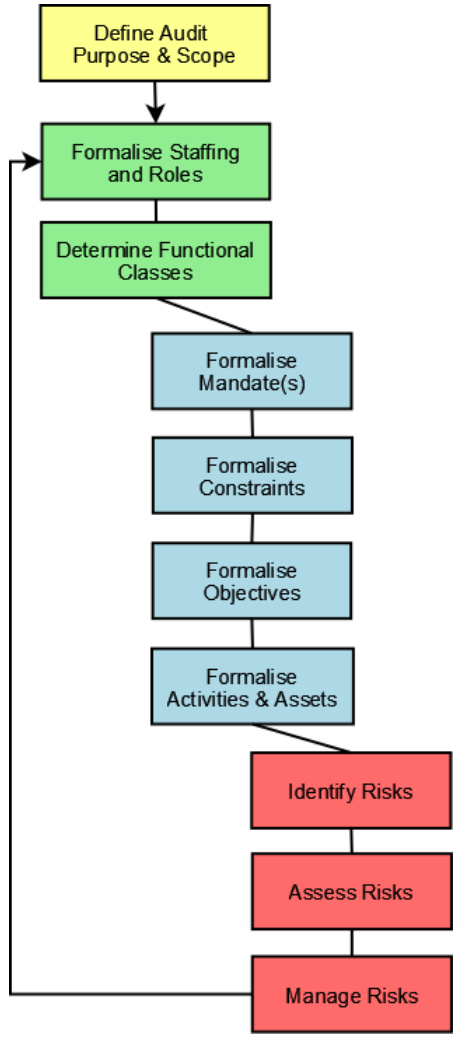
DRAMBORA team completed several pilot audits to develop, validate and refine the self-audit methodology

DRAMBORA methodology

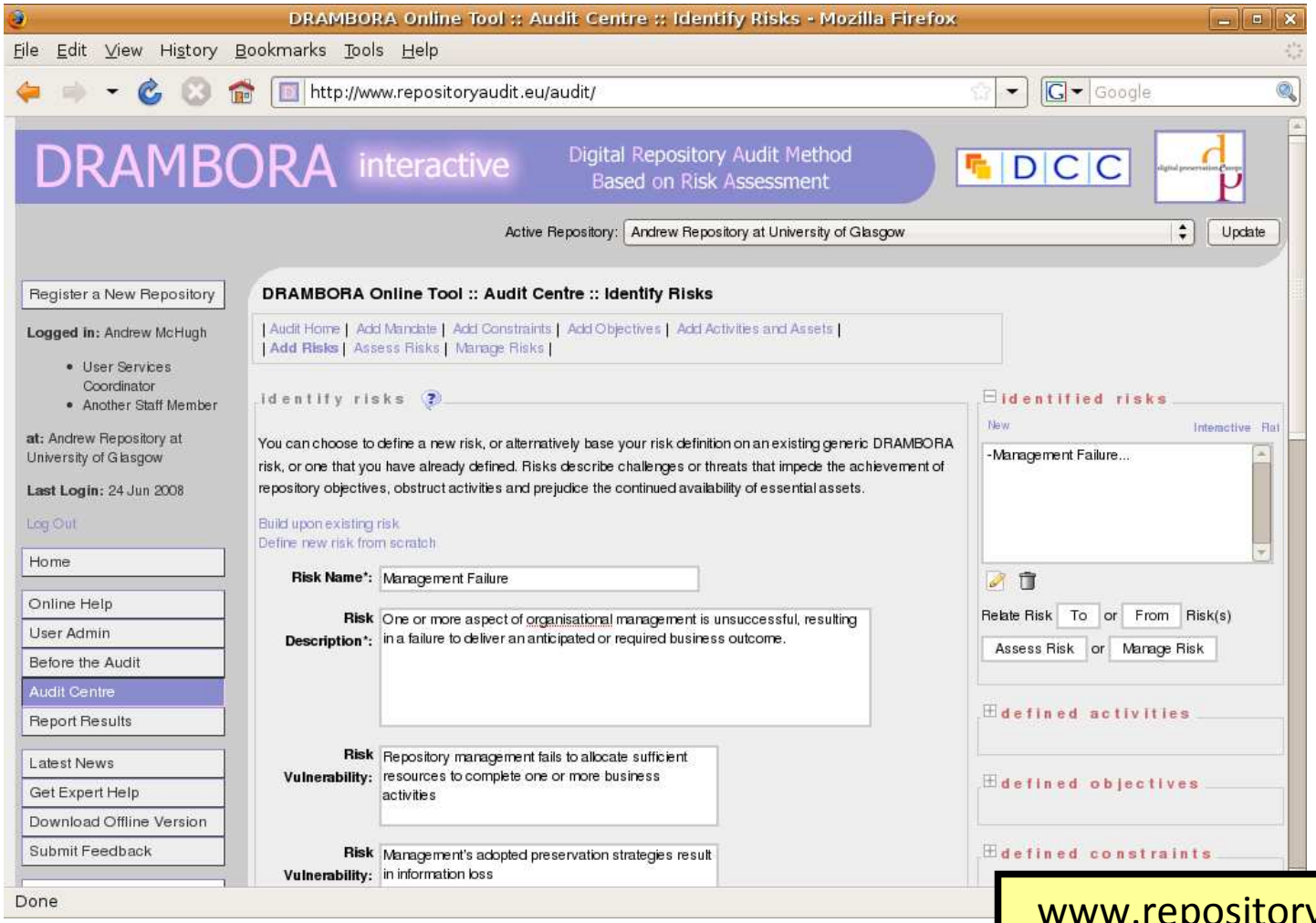
Two discrete phases:

- Information accumulation, aggregation and documentation
- Risk identification, assessment and response

A self-assessment methodology



DRAMBORA interactive



www.repositoryaudit.eu

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Further information

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Thank you! Any questions?