DAY ONE | Frame · Model · Organise

2nd December, University of Cardiff
09:30 — 05:15pm

09:30

Arrival & Coffee

10:00

Opening & Framing

Giovanna Di Martino (Oxford) · Jenny Kidd (Cardiff)

What is a ScholarTHON? As humanities research becomes increasingly digital, knowledge organisation lies at the heart of cultural heritage and collaborative research.

Knowledge organisation · Cultural heritage · Digital collections · Research infrastructures

10:30

Knowledge Representation & Ontologies I

Alex Cline (Queen Mary)

How do we represent complex humanities knowledge in ways meaningful for researchers and understandable by computers? Exploring conceptual modelling, ontologies and semantic relationships.

Conceptual modelling · Ontologies · Taxonomies · Semantic relationships

11:15

Coffee / Tea Break

11:30

From Records to Networks: Graph Thinking for Humanities Data

Matilda Peruzzo (Oxford) · Elena Zolotariov (SAS, London)

Metadata provides the structure that allows collections to be searched, analysed and reused. Python is here introduced as a practical tool for exploring and transforming cultural heritage datasets.

Metadata · Python · Data exploration · Reproducible workflows

13:00

Lunch

14:00

Cleaning and Reconciling Data with OpenRefine

Kunika Kono (SAS, London)

Participants work with OpenRefine to clean, reconcile and enrich metadata, preparing collections for interoperability, linked data and long-term reuse.

Data cleaning · Entity reconciliation · Linked Open Data · Data quality

15:00

Research Questions & Group Formation

Working in interdisciplinary teams, participants identify a humanities research challenge.

Key Questions

- What knowledge are you organising?
- Who creates the categories?
- What relationships matter?
- How could another researcher reuse this knowledge?

Collaborative Workshop I

Groups begin building a conceptual knowledge model

Workshop Outputs

✓ Research question · ✓ Concept map · ✓ Entities
✓ Relationships · ✓ Ontology sketch · ✓ Metadata requirements

PATHWAY

Knowledge Organisation → Ontologies → Metadata → Python → OpenRefine → Linked Data → Research Infrastructure → Stustainability → Community

DAY TWO | Connect · Apply · Share

3rd December, University of Cardiff
09:00 – 17:15

09:00 CASE STUDIES

Infrastructure and Open Data

Managing Authority with Linked Open Data

Jason Evans
National Library of Wales

The National Library of Wales have been enriching their metadata with linked open data to improve access to digital content. This case study will explore the methodologies used and examples from the library's collection of how this enriched data can aid research and support the AI powered services of the future.

Open collections · Linked data · Sustainability

Computational Philosophy, Digital Ontology and Data Visualisation

David Freeborn
Northeastern University London, Computational Philosophy Lab

How can computational methods be used to represent, analyse, and visualise philosophical knowledge and inquiry? How can digital tools and interactive visualisations reveal patterns, relationships, and structures that are difficult to discern through conventional methods?

Philosophical Knowledge · Knowledge Visualisation · Network Analysis

Creating free digital archives with GitHub Pages and Collection Builder?

Alison Harvey
Cardiff, Special Collections and Archives, CDHCR

Publish zero-cost, scalable, sustainable, and citable digital archives, powered by a single spreadsheet. Learn how structured metadata can enable distant reading and analysis of large image collections.

Digital Collections · Metadata · Static-site generation · Minimal Computing

10:30 ROUNDTABLE · DIGITAL RESEARCH INFRASTRUCTURE

Infrastructure for Digital Arts and Humanities

Giovanna Di Martino (Oxford) in conversation with **Arianna Ciula** (KDL), **Pieter Francois** (Oxford), **Jenny McHugh** (UK-IE DHA), **Joan Murphy** (DARIAH-IE), and **Jane Winters** (SAS)

A roundtable exploring the infrastructures that support digital arts and humanities research. The discussion considers how collaborative infrastructures can enable more connected, interoperable and resilient research communities.

Digital Infrastructure · Community · Sustainability · FAIR

11:45 HANDS-ON

Collaborative Workshop II

Groups develop reusable knowledge models by combining conceptual design, metadata and digital infrastructures.

Knowledge models · Metadata schemas · Interoperability · Sustainability

Collaborative Exploration

DISCUSSION PROMPTS

- Does your model answer the research question?
- Which standards improve interoperability?
- What assumptions underpin your model?
- How could others build upon your work?

13:00 Lunch

16:00 CLOSING

Group Presentations & Reflection

Each team presents its conceptual proposal including research challenge, model, ontology, metadata strategy and workflow.

Research challenge · Knowledge model · Metadata strategy · Ontology · Workflow · Reuse potential · Critical reflection

Jury Deliberation & Award

Recognising innovative approaches to organising humanities knowledge.

- **Most Sustainable Knowledge Model**
- **Best Interoperability Strategy**
- **Most Innovative Research Question**

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