

Capital Overview

Matthew J. Dovey
Programme Director (e-Research)

- To develop a coherent UK e-Research infrastructure in collaboration with the Research Councils and other relevant organisations which will:
 - provide the infrastructure and tools to allow research communities to create multidisciplinary research environments which enhance cross-discipline research and to facilitate research collaboration within and between institutions
 - provide a robust, trustworthy, secure, interoperable and scalable infrastructure for the transmission, storage, sharing, accessibility and dissemination of research data and outputs
 - provide robust sustainable central services supporting the processes of research and which facilitate high quality research

Community Engagement and Support

Collaborative Research Technologies

Data, Knowledge and Information Management

Authorisation, Authentication, Accounting and Identity Management

Infrastructure

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Community Engagement and Support

e-Science in the Arts and Humanities

Barriers to Uptake

Use Cases and Service Models

Collaborative Research Technologies

Virtual Research Environments – Phase 2

Data, Knowledge and Information Management

Effective Data Curation with Disciplinary Focus

Text Mining - Summarisation

Semantic Tools to Assist Research Lifecycles

Authorisation, Authentication, Accounting and Identity Management

Levels of Assurance and Identity Management

Enhanced Federated Tools and Services

Virtual Organisation Tools and Services

Data Access Management

Accounting and Usage Monitoring

Infrastructure

National Grid Service

OMII-UK NGS Tools Development

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Semantic Tools to Assist the Research Lifecycles

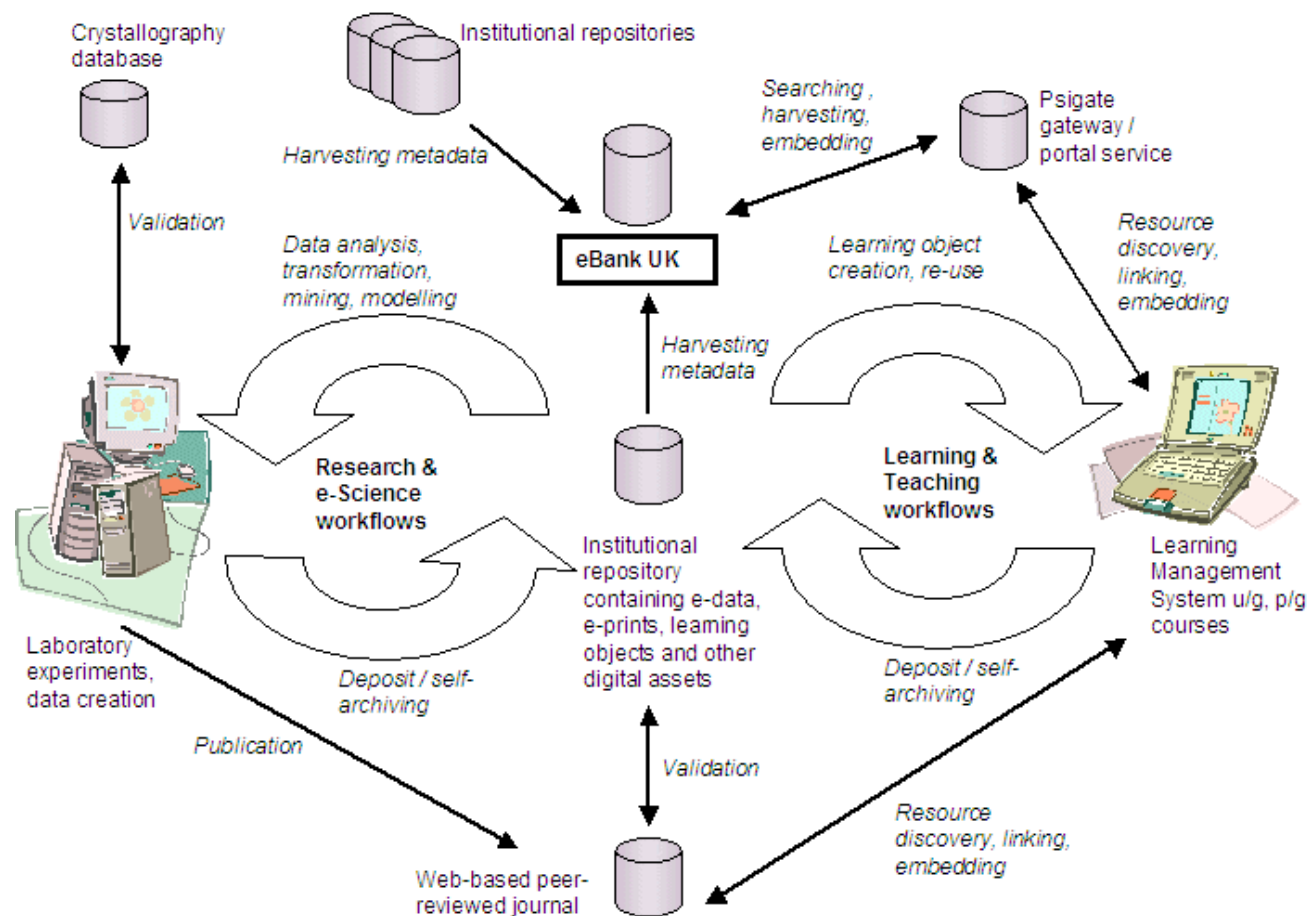
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- **Two call areas:**

- Semantic tools to automate discovery and usage of research resources
- Semantic tools to automate establishment and building research collaborations

- **Common Theme:**

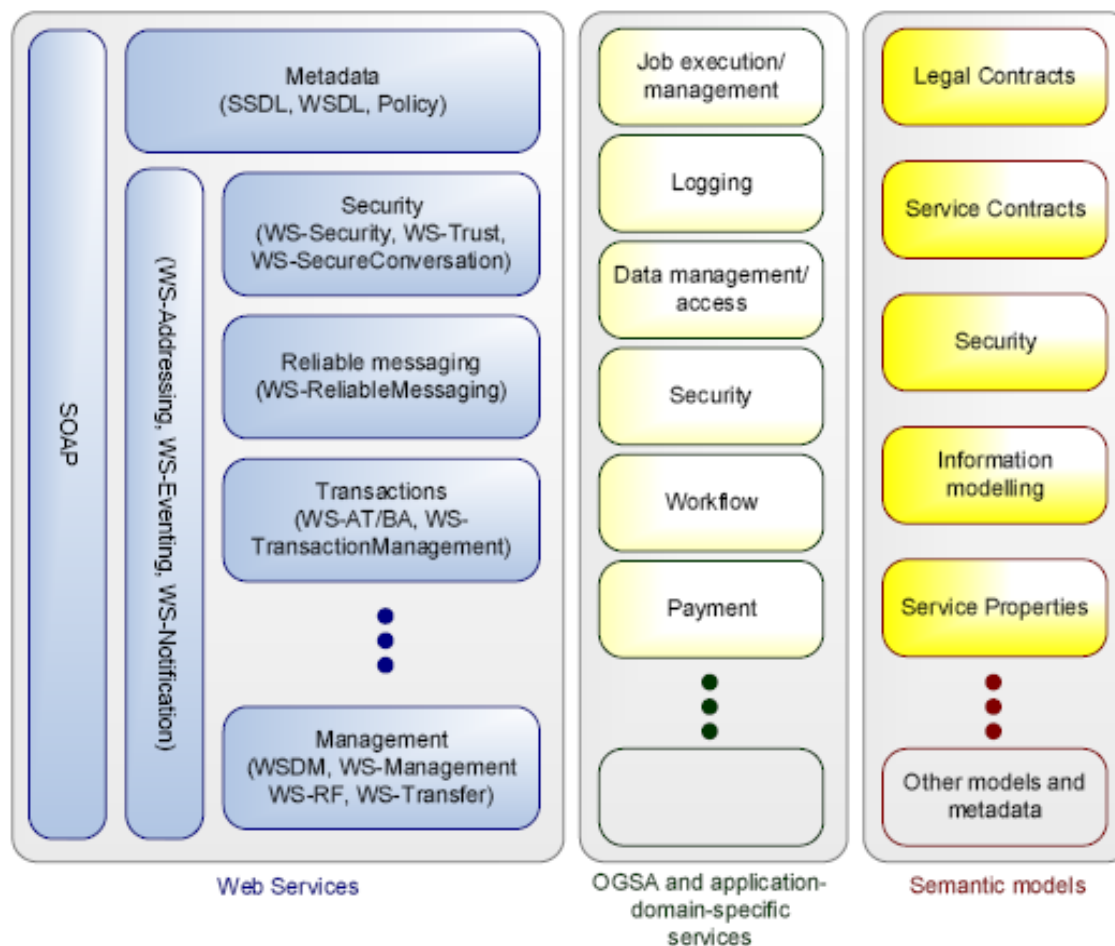
- Workflows accommodating resources, researchers and research support



Lyon, L. *eBank UK: Building the links between research data, scholarly communication and learning.*

Ariadne, 2003 36: <http://www.ariadne.ac.uk/issue36/lyon/>

Modelling for Service-Oriented Applications



Goble C, Kuo D, Parastatidis S, Watson P. Building large-scale, service-oriented distributed systems using semantic models. Draft Report. JISC Support for Research Committee. December 2005.

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