Using Discipline-Based Virtual Research Environments (VRE's) to Inform the Design of a Cross-Disciplinary, University-Wide Scholar's Portal Implementation @ NYU

Nadaleen Tempelman-Kluit & Jennifer Vinopal







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NEW YORK UNIVERSITY LIBRARIES

Introduction / Background



Why a Scholar's Portal?



Why a Scholar's Portal?

- Mid-2000s: Assessments of Library services
 - Bobst 21st Century Project: Designing a Library of the Future for New York University
 - ^a 2 New Generation Working Group Reports
 - LibQual Survey
 - NYU-ITS Client Satisfaction Survey
 - DLF Aquifer project



Survey Conclusions:

- Users accustomed to Web 2.0 technologies.
- Users dissatisfied with library search interfaces, access paths and tools for using and sharing content.
- Lack of infrastructure to support continuing development of services within evolving web environment.



Definition

...A framework of resources to support the underlying processes of research on both small and large scales, particularly for those disciplines which are not well catered for by the current infrastructure (JISC)



Goals-

 To make cooperation more efficient and hide the complexity of accessing distributed resources...



Aims-

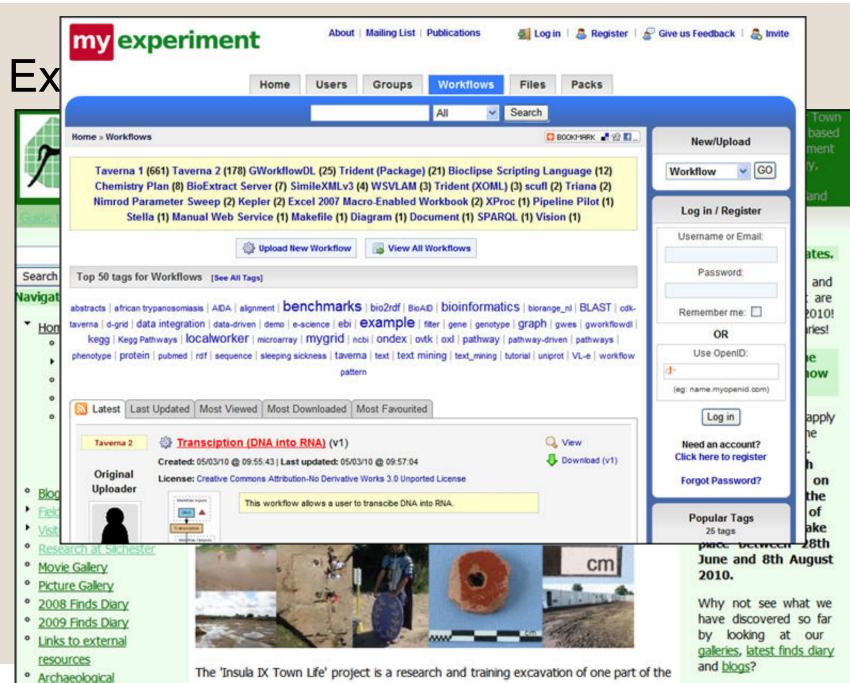
• Support researchers by integrating tools, services, and resources into an existing research infrastructure...



Principles / characteristics

- quantifiable and coherent research purpose
- allows only authenticated user to contribute to its knowledge base
- promotes collaboration
- mirrors existing research structure
- largely discipline driven & discipline specific
- definable presence





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 Without integration into the existing research infrastructure, VRE's will fail and become yet more underused web portals, or artificial constructs driven by project funding.



Mash-up

 The term mashup is primarily used to describe a remix of digital data. It implies easy, fast integration, frequently using open APIs and data sources to produce enriching results that were not the original reason for producing the raw source data. (wikipedia)



Research Mash-up

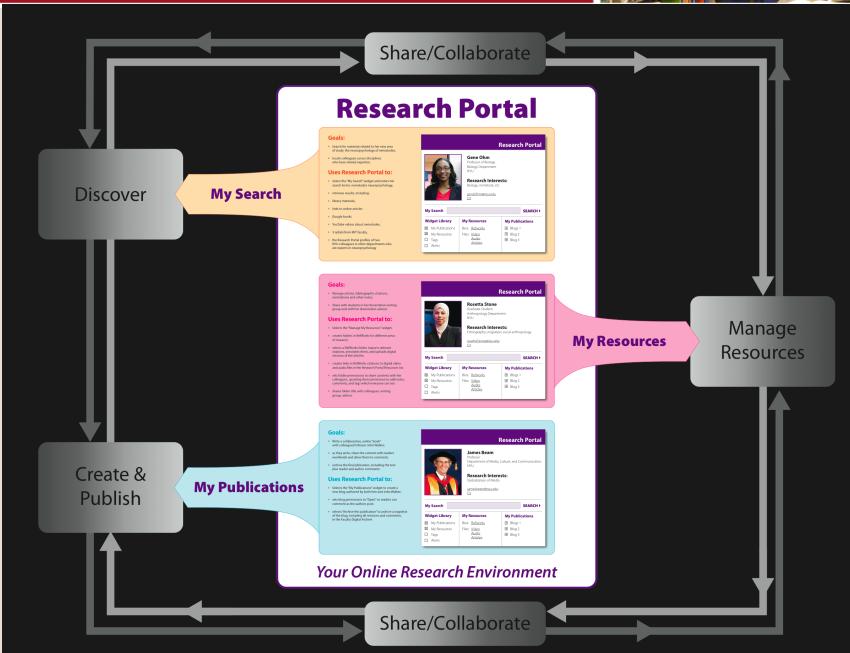
• A remix of research data, both discipline specific (data-sets..) and generic research tools and services (RefWorks, chat widget) to aid collaboration and research practices (NTK)



Facilitating the mash-up



ERSITY





Contexts, customizable views per affinity/ role/discipline

- Undergrad instruction environments, e.g., e-portfolio
- Shared documents & calendars
- Content assembly & authoring environments
- Collection publications, Journals, Exhibits
- Research collab., VREs

Reusable Services

- Citation DB
- Content discovery
- Document sharing
- Google apps

- User profile
- Assessment, grading
- Personal tags
- Etc.

Authoritative Sources: Enterprise "value-add" Authorization
Directory,
Affiliations

Authentication, Identity mgmt

Content

Institutional Systems of record

SIS

HR



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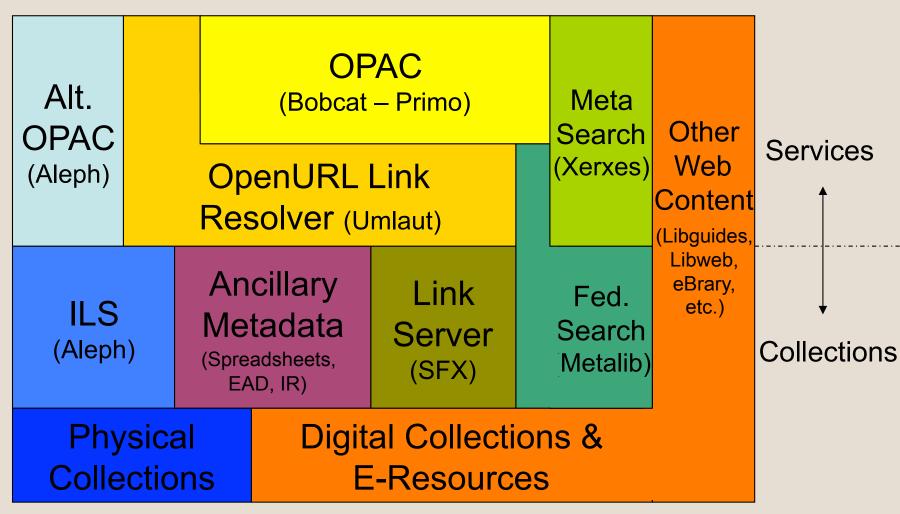


Current work:

1.Improving search and discovery of library and related resources

Next Steps at NYU



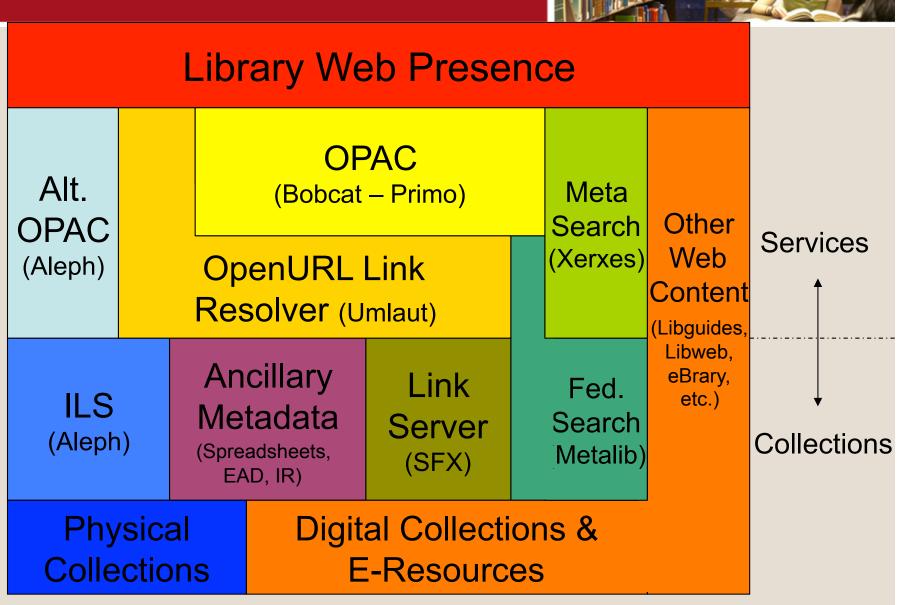


Back End Functionality – Workflow Implications

Collections – Libraries' Curation Role

LIBRARIES

Next Steps at NYU



Back End Functionality – Workflow Implications

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Current work:

- 1.Improving search and discovery of library and related resources
- 2.Authentication and Authorization Open SSO
- 3. Pushing search and discovery tools to users' environments
- 4.Building support for new forms of scholarly communication



Developing Alex: Advanced Learning Exchange

- Sakai 3
- Integration with repositories
- E-portfolios
- User profile
- Video streaming
- Tools for assessment



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