Hydra at LSE

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LSE Library Collections

	Local	£
Digital	• Research outputs (publications, data) • Digitisation • Public lectures • Web harvesting (websites, blogs, tweets) • Archives (institutional, personal) • Theses • Official publications	• Journals • Books • Newspapers • Statistics / data
Physical	• Archives (institutional, personal) • Theses • Official publications	• Monographs • Journals • Pamphlets • Newspapers • Statistics • Microfilm

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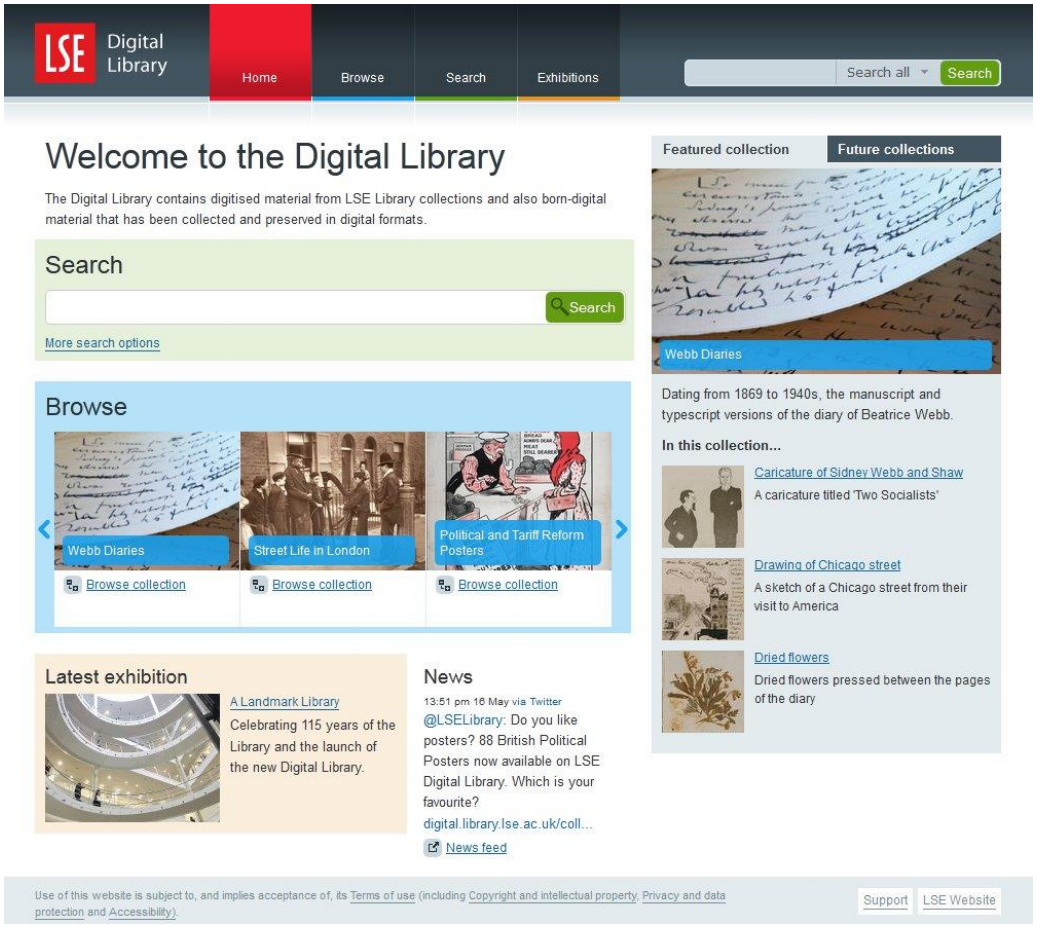
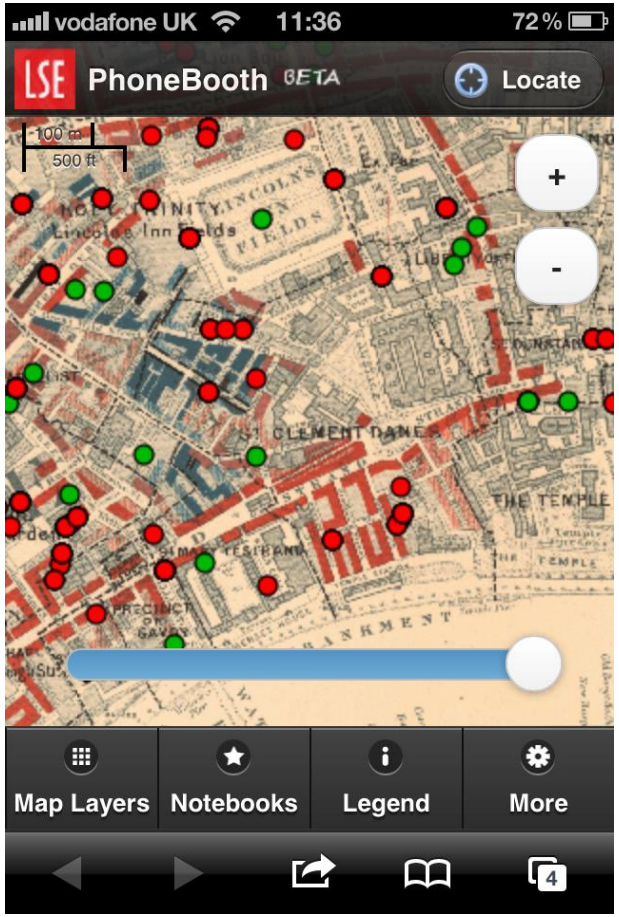
Access interfaces



http://digital.library.lse.ac.uk/



http://phone.booth.lse.ac.uk/

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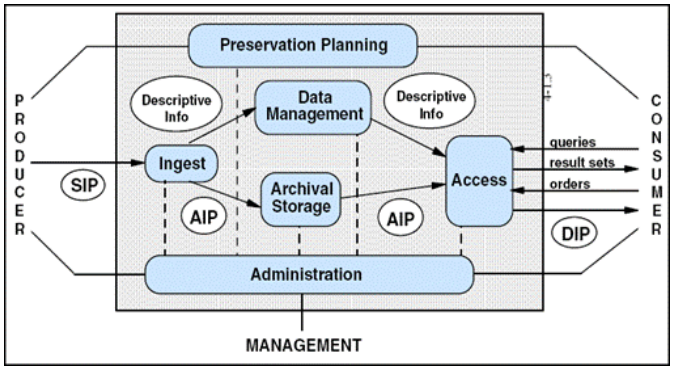
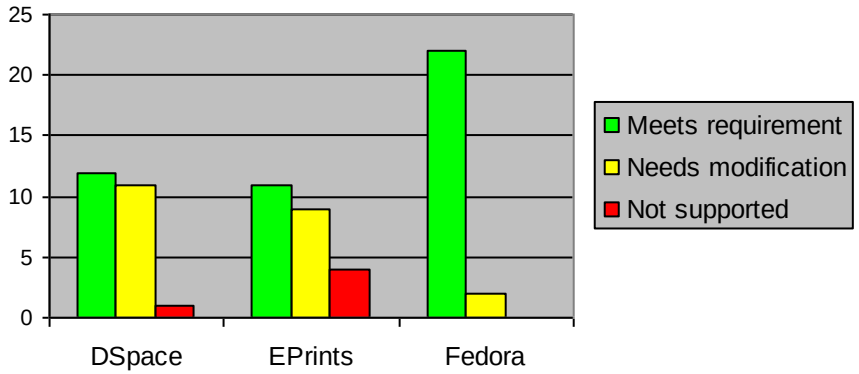
Making the case

- Collections audit
  - Format diversity, volume/growth
  - Risk assessment (threats to our strategic objectives)
  - User and functional requirements (ingest, preservation, access)
- Options appraisal (‘market survey’)
  - Community best practice
  - Repository architectures
- Proposal
  - Articulating value
  - Solution: working practices, skills, infrastructure
  - Development roadmap

Proposing the solution

- Options appraisal (‘market survey’)
  - Community best practice (4 site visits, 7 interview/desk research)
  - Repository architectures (24 functional requirements in 7 categories)
  - In some way a ‘prioritisation’ of OAIS into our own requirements





http://www.ariadne.ac.uk/issue64/fay

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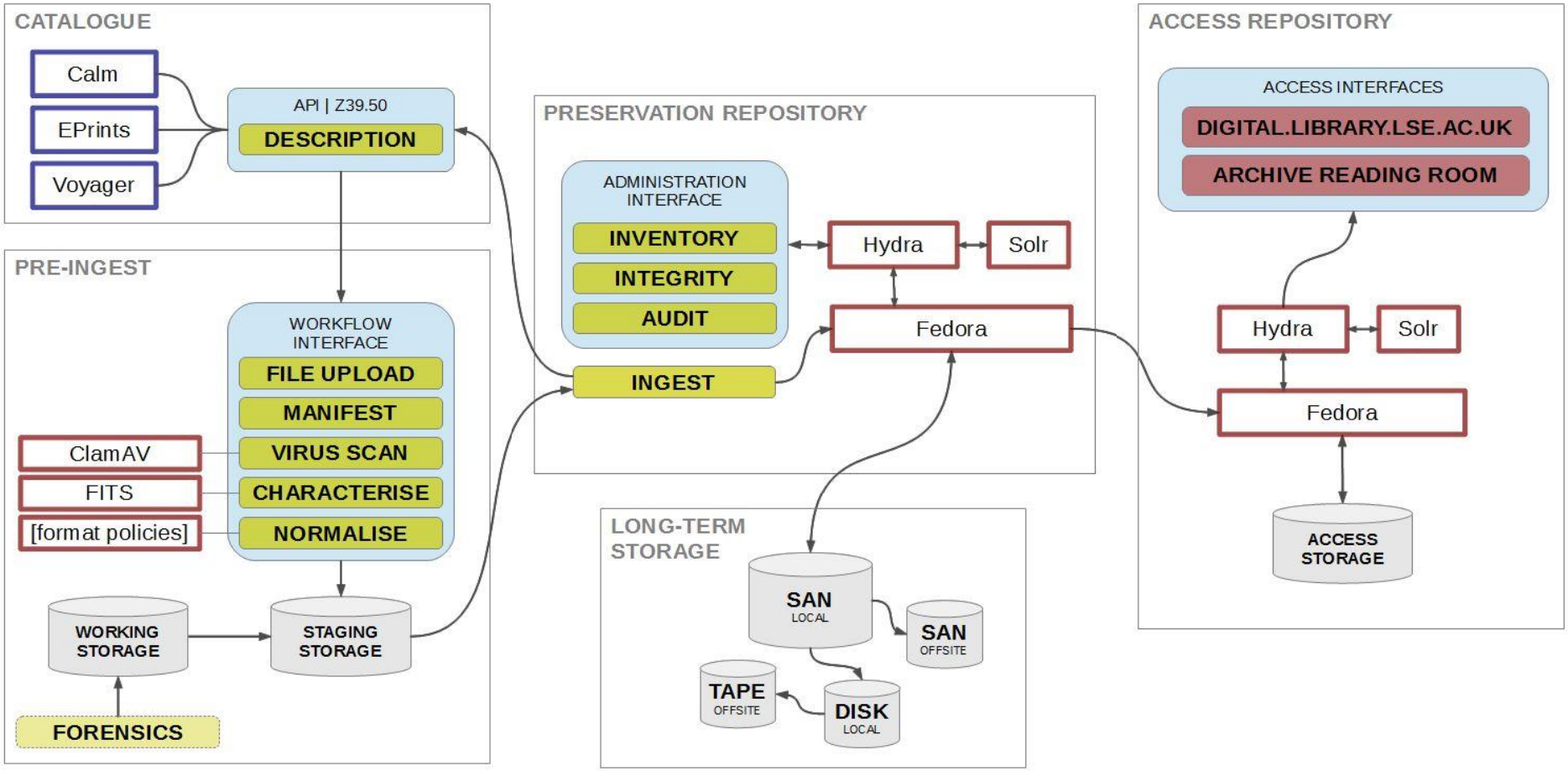
Hydra vs Islandora

In 2009...

- Similar (lack of) maturity
  - Hydra ‘heads’ vs Islandora ‘solution packs’
- More shared use cases with Hydra
  - UK institutional repository (Hull)
  - Born-digital archives (AIMS project, Hypatia)
- UK adopters + nascent community

Now/future... Hylandora?

LSE Digital Library



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How we do (and don't) use Hydra

- DO:
  - ActiveFedora
  - Solrizer
  - Hydra community
- DON'T:
  - Blacklight
  - User authentication
  - Web-based interface to editing content

Why?

Pragmatism.

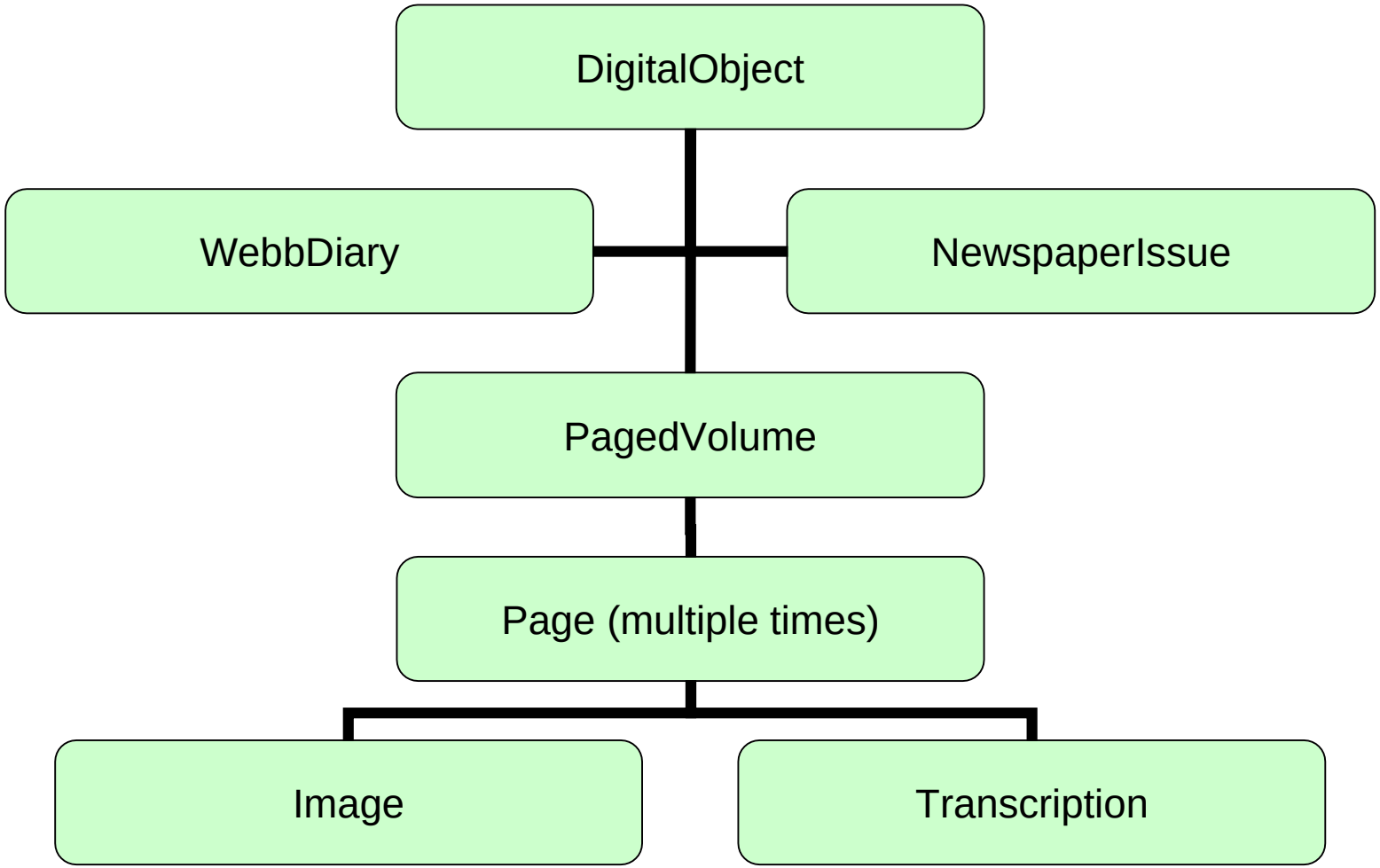
How Hydra helps us

- Ingestion (FOXML vs Hydra directly)
- Ease of manipulation of digital objects (batch modifying objects, etc.)
- Interoperability / shared practice
- Web app comes easy from Rails + Hydra
- Content models (...)

Content models

- Lets us define and program with digital objects in a meaningful but abstract way.
- For example:
- Everything is a “DigitalObject”...
  - Our poster collections, are an “OrderedSetObject” containing “ImageObjects”
  - And so on...

Content models



Future plans

- Digitisation backlog
- Digital preservation workflows…

  …and interfaces (embedding skills)
- Audio/video content
- More born-digital
- Interoperability with/deprecation of existing EPrints repositories

What we didn't talk about…

- IA/UX/visual design
- Persistent identifiers
- Storage configuration and backups
- Content models for preservation
- Sysadmin/Devops: automation, testing, monitoring, deployment, etc.