IRVLA – The Irish Virtual Research Library and Archive project.

A presentation to the HII International Advisory Committee

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IVRLA Project Manager
Outline

• Background.
• Scope.
• The Vision Thing.
• Challenges.
• Development.
• Opportunities.
• Deliverables.
Background

• Valuable yet restricted archival sources.
• Digital Technologies.
• Internet and Accessibility.
• HII Programme: Identity, Memory and Meaning in the 21st Century.
HII

• Identity - Who are we?
• Memory - Where have we come from?
• Meaning - How are we perceived?
  What influences our perception?
  Self Perception?
• 21st century - How do we remember?
  How will we be remembered?
  What do we leave behind?
Content

- D/Folklore
- D/Archives
- D/Modern Irish
- Library Special Collections
- ISSDA
- URBIS
Not just storing data but...

Traditional DAM ensures that we
• Store - Keep it safe
• Identify - Make it known
• Preserve - Keep it around

But IVRLA must also ensure that we can..
• Gather - Collect, organise,
• Create - annotate, interpret
• Share – present

All in a virtual scholarly world....
Scope

- Local Reach – Virtual campus.
- Global Reach - Internet means international.
- Local Access – UCD students.
- Global Access - Push and Pull.
- Local Identification – the thing is the thing.
- Global Identification - I’ll know it when I see it.
The Vision Thing

- New Sources.
- New ways of tackling research.
- New ways of collaborating.
- New communities of practise.
- New business models.
- Research as experiential, dynamic and interactive.
IVRLA Functional Architecture

- Layered System.
- Disclosure Services.
- Delivery Services.
- Recommender Services.
- Rights Services.
- Portal on top.
Technical Architecture

Client Application
- Web Browser
- Batch Program
- Server Application

Manage
- HTTP
- SOAP

Access
- HTTP
- SOAP

Search
- HTTP
- SOAP

OAI Provider
- HTTP

Session Management
User Authentication

Management Subsystem
- Object Mgmt
- Component Mgmt
- Object Validation
- PID Generation

Security Subsystem
- Policy Mgmt
- Policy Enforcement
- Group/Group Policies

Access Subsystem
- Object Reflection
- Object Dissemination

Storage Subsystem
- Datastreams
- External Content Retriever
- Content
- XML Files
- Relational DB

Web Service
Exposure Layer

Remote Service
Local Service
Portal Requirements

• Security, Access and Authentication.
• Metrics.
• Personalisation.
• Innovation.
• Bots, intuitive filtering, fuzzy recommendations.
• GIS Integration.
• Advanced Searching – suggestions, phonetics, spelling correction.
• User friendly.
<table>
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<th>RELATION:</th>
<th>METADATA</th>
<th>OBJECT</th>
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| Collection | **Title:** | **Confidential.**
| xxxxxxxxxx | **Date:** | **Gentlemen of the Senate of the House of Representatives.**
| **Subject:** | **Coverage:** | *to the maintenance of the due for establishing trading houses with the Indians under the conditions of the legislation at its present stage.*
| **Keywords:** | **Creator:** | *I think it very duly to communicate these views which have occurred on the execution of their duty in order that you may decide on the policy of continuing it in the present or any other form, or its discontinuance, or stopping that of shall or in the whole, upon which is the public good.*
| **Comments:** |          | *The Indians have reached within the limits of the 14th line for a reason, sensible force exploring some former mining in the constant diminution of the territory they occupy, able to prevent any endowed order and the policy has long been growing strength.*
| **Series** |          | *for the purchase of the smallest portions of land to a very few to two mile wide, are not yet distributed in these dimensions.*
| xxxxxxxxxx |          | *In other words, it is to conserve them to whatever extent, to apply to the raising black to agriculture, and domestic manufactory, and...*
| **Sub-series** |          | "...to their better work..." (as from rubber, rice, oil, etc., and these..."
| xxxxxxxxxx |          | "...it is no longer..."
| **File** |          | "...to their better work..."
| xxxx |          | "...in exchanging them for the manufacture..."
| xxxx |          | "...self-improvement..."
| Item |          | "...to be utilized..."
| 0000001_AR_PM_05.tif |          | "...and it is expedient..."

**FUNCTIONS**

- IPR info
- Download
- Cut (metadata)
- Annotate
- Link
- Play comments
- Zoom
- Find
- Map
- Bookmark
- Folder

**RECOMENDER**

See also

Xxxxxxxxxxxxxxxxxxxx
Xxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxx
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<td>Download</td>
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<td>(1)</td>
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<tr>
<td>Folder</td>
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**Explore**

- County
- Barony
- Townland
Photogenic November (3)

Would you like to comment? Create a free account!

Choose a screen name    GO

(Are you already a member? Log in.)

Wikis and user annotations
• Raw data and metadata.
• Both born digital and converted/digitised.
• Subjected to international standards though these are not yet optimised.
• Held on numerous formats all of which are prone to obsolescence and will require future replacement.
## Targets

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<th>Type</th>
<th>Percentage</th>
<th>Quantity (digitised)</th>
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<td>182 volumes</td>
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<tr>
<td>Audio-Visual</td>
<td>10</td>
<td>1822 hours</td>
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<td>Photographs</td>
<td>20</td>
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<tr>
<td>Mss (OCR/Catalogued)</td>
<td>40</td>
<td>74,000 pages</td>
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<tr>
<td>Mss (holograph/no catalogue)</td>
<td>20</td>
<td>24,650 pages (fully keyed – transcribed)</td>
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Preparatory Work

- Survey and collection(s) study
- Repository research
- Metadata Strategy
- Equipment selection
- Stakeholder identification
- User and Uses groups
- Recruitment
Usership

- Research based.
- Not time critical.
- Context heavy.
- Macro analysis.
- User Analysis.
- Persistence is vital.
- Accurate citation and source acknowledgement rather than cost issues.
Digital Preservation

• Long term access and preservation of digital data.
• Management of additional value added content.
Open Archival Information System: Six Functional Entities

SIP = Submission Information Package
AIP = Archival Information Package
DIP = Dissemination Information Package
Outputs

Objects into Assets

- Development costs per item are known.
- Object is available for authorised users and is protected from misuse.
- Value judgement is made.
Co-operation

• Collaborations – D/LIS, D/CS, Teaching & Learning Centre, Source Repositories & Departments.
• ISOS and others.
Legislative & Regulatory Environment

• Copyright Act
• Data Protection Act
Deliverables

• Digitised Content
• Functioning Repository
• (Bi-lingual) Interfaces
• (Intelligent) Agents
• Body of corporate knowledge & expertise
• Comprehensive Report
• Proof of Concept
• Proof of Value Chain
Timeline

• Think Big, Start Small.
• Digitisers recruitment for July 2005
• Cataloguers recruitment for September 2005
• Sponsorship of two post graduate students in Computer Science
• Co-operation with D/LIS regarding project planning.
• Pilot to launch late 2005.