Application of eSciDoc in eResearch Environment in Science and Technology

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PubMan is just one part of eSciDoc…

- Virtual Remote Laboratories
- Image Management
- Managing Digitized Resources
- Text Technology
- XML Processing
- Data Management
- Named Entities
- Mechanical Engineering
- Scientific Metadata Editor
- Loading of Publisher Contents
- Portal Integration
Repositories

Registries

Reference Data

General Architecture

Dissemination, Portals, Integration

Usage Scenarios

Manage, Edit, Discover, Publish

Per Content Type

Transformations Processes Semantic Techn

Repositories

Registries

Reference Data

Data Lifecycle Management

Technical Long Term Archiving
Infrastructure Evolves Over Decades, Not Years

EU/U.S. Roadmap to Measuring the Results of Investments in Science:

- 1. Aligning efforts toward the development and implementation of (i) automated systems for the collection of standardized and validated data, and (ii) tools for the analysis of this data to determine the effects of science and technology investments.
- 2. Collaborative international scholarly research efforts in support of the Science of Science and Innovation Policy.
- 3. Aligning the efforts of global funding agencies to support a common institutional framework for the Science of Science and Innovation Policy.
- 4. The recommended implementation of complementary data driven approaches, [...] to document the results of science investments in both the European Union and the U.S.
eLabs (in Development)

Objects Managed

<table>
<thead>
<tr>
<th>Study</th>
<th>Aggregation of Investigations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigation</td>
<td>Single run of experiment</td>
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<tr>
<td>Plan</td>
<td>Describes procedure</td>
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<tr>
<td>Rig</td>
<td>Aggregation of instruments</td>
</tr>
<tr>
<td>Instrument</td>
<td>Model of a real world device</td>
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</tbody>
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We have seen so many great platforms come and go...

- Funding of eSciDoc project ended 2009
- Developments continued with same pace since then
- Usage and number of projects around eSciDoc increases
- MPS and FIZ are strongly committed to eSciDoc as a strategic platform and contribute substantial capacities
Thanks for Your Attention!