How are institutions dealing with the early-stage project management workflows

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2nd Virtual euroCRIS-EARMA Meeting
27.09.2021
Research information
Research information space

- Research organisation
- Investment opportunities
- Projects
- Researchers
- Equipment
- Facilities
- Research data
- Publications
- Patents
- Products
- Research data centres
- Libraries
- Editors
- Government
- Industry
- Financers
- Researchers
Project management workflow

- Process in RMA community
  - Pre-project
  - Funding award
  - Post-award research project
  - Post project
Project management workflow

Source: Sherry Lake, Data Management Consultant, University Virginia Library, February 2nd, 2015
Options?
Open Science & CRIS

Institutional Management

Institutional Research Office

Research Library

Project Management Office

IT Services

Finance

Human Resources

Researchers
## Requirements

<table>
<thead>
<tr>
<th></th>
<th>Current model</th>
<th>Federated</th>
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<tbody>
<tr>
<td><strong>Resources</strong></td>
<td>Fragmentation of resources and access to them</td>
<td>Integrated access to federated resources for ALL researchers</td>
</tr>
<tr>
<td><strong>Services</strong></td>
<td>Varying quality of services currently</td>
<td>Service standards for all federated resources</td>
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<tr>
<td><strong>Interoperability</strong></td>
<td>Varying levels of interoperability standards</td>
<td>Common standards for all federated resources</td>
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<tr>
<td><strong>Governance</strong></td>
<td>Fragmented across 100+ institutions</td>
<td>Layered governance for EOSC participants – balanced stakeholders, MS, EC - with specific rules</td>
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<td><strong>Costs &amp; time to implement</strong></td>
<td>Baseline</td>
<td>Marginally higher than baseline</td>
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<td><strong>MS and stakeholder acceptance</strong></td>
<td>Low</td>
<td>High</td>
</tr>
</tbody>
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Source: EOSC Strategic Implementation Roadmap 2018-2020, May 2018, European Commission
EOSC Interoperability framework

- Technical interoperability
  - Infrastructure and applications

- Semantic interoperability
  - Unambiguous, shared meaning in ontologies & thesauri
  - Minimal set of common metadata formats

- Organisational interoperability
  - Documentation, integration and alignment of processes

- Legal interoperability
  - EOSC, FAIR principles, regulatory and/or policy measures

Potential of CRIS for the RMA community

- Correct, actual, complete Research Information
- Connect data silo’s
- Maximum reuse of data
- Reduce system costs
- Reduce administrative burden
- Once-only principle
- Policy monitoring & reporting
- Increase strategic intelligence
- More information services:
  - collaboration, transparency, efficiency
- Alignment with processes is crucial!
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