


our Spaces








Design and Deployment of a Semantic Virtual Research Environment

Peter Edwards, Edoardo Pignotti Alan Eckhardt, Kapila Ponnampereuma, Chris Mellish, and Thomas Bouttaz




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 Developing Infrastructure for Social Science Member
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 ourSpaces Virtual Research Environment Member
-  [Informed Rural Passenger](#) 
 Exploring the creation of a transport information ecosystem with passengers at its centre as both consumers and suppliers of information Collaborator

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

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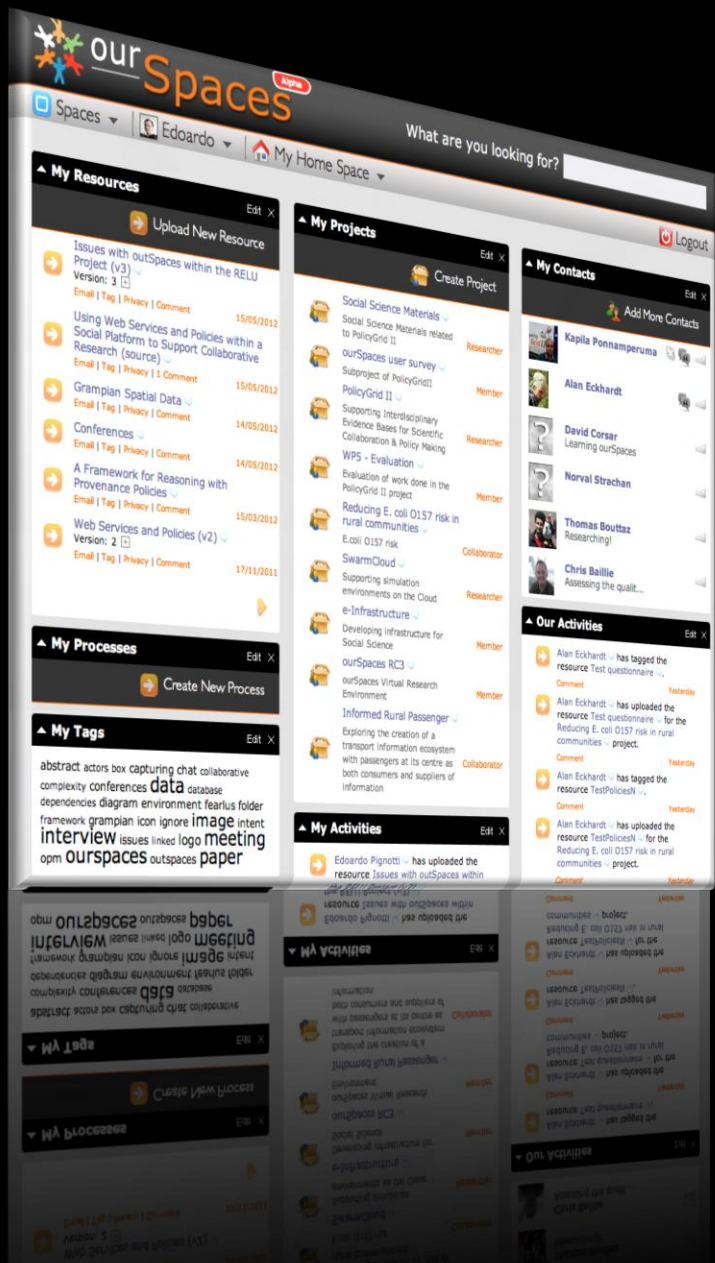
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- Track the provenance of digital artefacts and processes
- Capture the provenance associated with a user's social network
- Control the behaviour of services within the application using policy-based reasoning
- Visualise provenance metadata using different modalities

Policy-based Reasoning

Upload Artifact

Properties of Artifact

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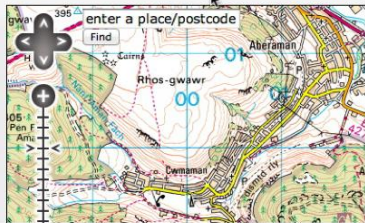
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- WP6 Policy formulation and dissemination
- WP3 Risk Assessment
- WP4 Economic costs of impacts & interventions
- WP1b Immunity of key groups
- WP1a Stakeholder perceptions of risk

Conclusions

- *ourSpaces* semantic VRE
 - Provenance representation framework
 - Policy reasoning service
 - Collection of metadata visualisation and creation services
- ‘Linked data’ makes aspects of information discovery and presentation possible within *ourSpaces*
- The policy and provenance framework provides real benefits in terms of system adaptability

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