Web-Oriented eResearch Ecosystems BoF

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QUICK, REUSABLE SOFTWARE STACKS AND CUSTOM PIPELINES

The current eResearch landscape is a complex one: Many researchers, many different projects and requirements, limited resources, few developers. Automation in research data has opened up a realm of possibilities and this also compounds the problems eResearch developers face in several ways. With so many researchers who have so many potential ideas and requirements, how do you optimise your development time while ensuring that you actually enhance the researchers’ ability to perform research?

Our solution to this problem is to build a resource-oriented framework on top of an established modular software stack. Concentrating on data capture, metadata schema, pipelines and interfaces rather than attempting to build a new monolithic system for each user application, we increased the utility and decreased the rollout time of new systems. Working closely with researchers to develop these systems allows for a new level of task-specific customization, as well as forward planning for analysis by enhancing how the data is captured and recorded.

Join Developers Conal Tuohy and Daniel Tosello in a technical discussion about the potential of small, loosely coupled application ecosystems and develop new ways to collect and store your researchers' data.

ABOUT THE AUTHORS

CONAL TUOHY

Conal Tuohy is a Business Analyst at the Victorian eResearch Strategic Initiative (VeRSI). He has also worked for the University of Melbourne and the New Zealand Electronic Text Centre. His recent projects include “Archaeological Database Development: The People and Place Project”, a collaboration between ANDS and La Trobe University.

DANIEL TOSELLO

Daniel Tosello is an eResearch developer with interests in data capture, management, interfaces and research infrastructure. He has had a highly varied career, spanning desktop hardware technical support roles, technical writing, prepress operation and graphic design and qualifications in both Arts and Computer Science. He was the Systems Administrator for the AARLIN Consortium’s Metalib/SFX federated search engine and OpenURL link resolver from 2006 until early 2011, and began developing and releasing additions and plugins to the system from mid 2009. Moving to La Trobe University’s eResearch office in 2011, Daniel has since focused on developing flexible research infrastructure, extending open source platforms and finding new ways to capture previously inaccessible data.