

## **eResearch – developing an exemplar framework.**

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### **DESCRIPTION**

This BoF session aims to bring together eResearch support staff, institutional IT support, eResearch application developers and researchers. Featuring a speaker from each of these domains, it is hoped that this session provokes a wide ranging discussion that sets the parameters for an exemplar framework for eResearch in Australian institutions.

### **EXTENDED ABSTRACT**

Australia has benefitted from significant investment in eResearch infrastructure in recent years. Work to set up large scale data storage, an Australian Research Cloud and discipline based tools have the potential to make a significant impact on the way researchers undertake their projects.

Many researchers made significant contributions to the development of these tools, but it remains to be seen how the wide the take up will be, especially as the projects adopt different sustainable business models. To this end, the session will explore the ways different stakeholders can increase uptake and support researchers to use the infrastructure, as well as look at measures that might be used to demonstrate value to institutions and research groups.

The questions to be discussed include:

- What metrics can be developed for eResearch?
- How can we measure eResearch outreach?
- How can we measure support for eResearch?
- How can we measure the impact of eResearch on research funding and research output?

At the end of the session, we hope to have identified the main elements of an exemplar framework for eResearch in Australian institutions.

### **ABOUT THE SPEAKERS**

#### **Hamish Holewa**

Hamish Holewa is the Project Manager of the AeRO IT User Support project. He has lead the development of the AeRO Tick framework that provides a method of increasing users support and discovery of eResearch services nationwide. Mr Holewa has been responsible for many innovative, cross-institutional, large scale eResearch Tools and Virtual Laboratories including Quadrant and the Biodiversity Climate Change Virtual Laboratory. He has worked in research, management and policy development roles for the previous 10 years, has been involved in over 16 research projects across Australia, New Zealand, UK, China, India and Bangladesh and named author on over 35 research publications. His research and professional interests include: technology development for research collaboration; technology and application user experience; sustainability models; health economics; international health inequality; and supportive care issues. Mr

Holewa has an interest in sustainable eResearch applications models and holds the role as COO for the Austral-Asian Journal of Cancer.

## **Amanda Nixon**

Amanda Nixon is the Manager of eResearch@Flinders. A large part of her role is outreach to Flinders researchers across all disciplines about eResearch tools and services. She also works with eResearch service providers to express an institutional point of view. Amanda is a current member of the AeRO Research Support Expert Group, has worked on the Quadrant Research Functionality Advisory Committee and has enjoyed working with eResearch SA on processes to support RDSI and NeCTAR take up. She brings to her role a strong commitment to the service ethic, a non-technical perspective on eResearch, an enthusiasm for strong engagement with the research community.

## **Barabara Polus**

A/Prof Barbara Polus is the leader of the Complementary Medicine Clinical Neuroscience Research Group and is the chair of Deakin University Human Research Ethics Committee. A/Prof Polus conducts research in areas such as changes in somatosensory inputs from the neck on limb motoneuron excitability; autonomic regulation of cardiovascular function, and electromyographic studies of paraspinal muscles as a means of determining their functional status. A/Prof teaches both undergraduate and postgraduate areas in clinical research design and implementation, principles of critical appraisal and of clinical research and evidenced based clinical literature. A/ Prof Polus is active with many community interested and holds the Deputy Chair, Research Committee, Australian Spinal Research Foundation and is the regional representative of the International Society for Neuroscience for Chiropractic.

## **Malcolm Wolski**

Malcolm Wolski is the Director, eResearch Services and Scholarly Application Development at Griffith University. In his role, he is responsible for the development, management and delivery of eResearch services to support the University's research community, which includes the associated information management systems, infrastructure provision, data management services and media production. Malcolm is a part of the senior leadership team providing library, information and IT services at Griffith University and he works closely with these groups to provide service desk, infrastructure and outreach services to the research community