eResearch Systems
Supporting Innovation
International Examples

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Research and Innovation

- The Australian Government’s investment in science, research and innovation institutions and programs totals approximately $9.4 billion in 2011-12

- Changing nature of research
  - achieving a higher level of research capability at this time will have much greater and more direct economic and social benefits than has been the case in the past.
eResearch landscape

- Similar vision outlined in DIISRTE reports around research infrastructure and eResearch investments
  - *Backing Australia’s Ability: An Innovation Action Plan for the Future*
  - *Strategic Roadmap for Australian Research Infrastructure (NCRIS, 2008)*
  - *Strategic Framework for Research Infrastructure Investment: Discussion Paper (NRIC, 2010)*
  - *Strategic Roadmap for Australian Research Infrastructure (DIISR, 2011)*
  - *Maximising the Innovation Dividend: Review Key Findings and Future Directions (DIISR, November 2011)*

- A key value proposition
  - research outcomes can be improved in quality, value and extent by eResearch.

- Closely aligned with innovation in its support of research
  - can take several forms
  - technological innovation
eResearch systems

- help researchers and ‘enablers’ to gain knowledge and skills;
- provide applications to support new research methods and knowledge adapted from diverse sources;
  - and applied in a range of environments
- support the seeding and growth of new infrastructure, multidisciplinary collaborations and potential services that contribute to the knowledge economy.
International examples

Encapsulating examples of innovation support through eResearch: Oxford (UK) and Australia

- Questions addressed:
  - Describe the eResearch system/platform – what is it intended to do and for whom?
  - What collaboration(s) does it support?
  - Why is it innovative?
  - Has it transitioned from innovation to production?
  - What have been the challenges in doing this?
  - What are the collaboration outcomes—successes and learnings?