



eResearch and the Australian Access Federation

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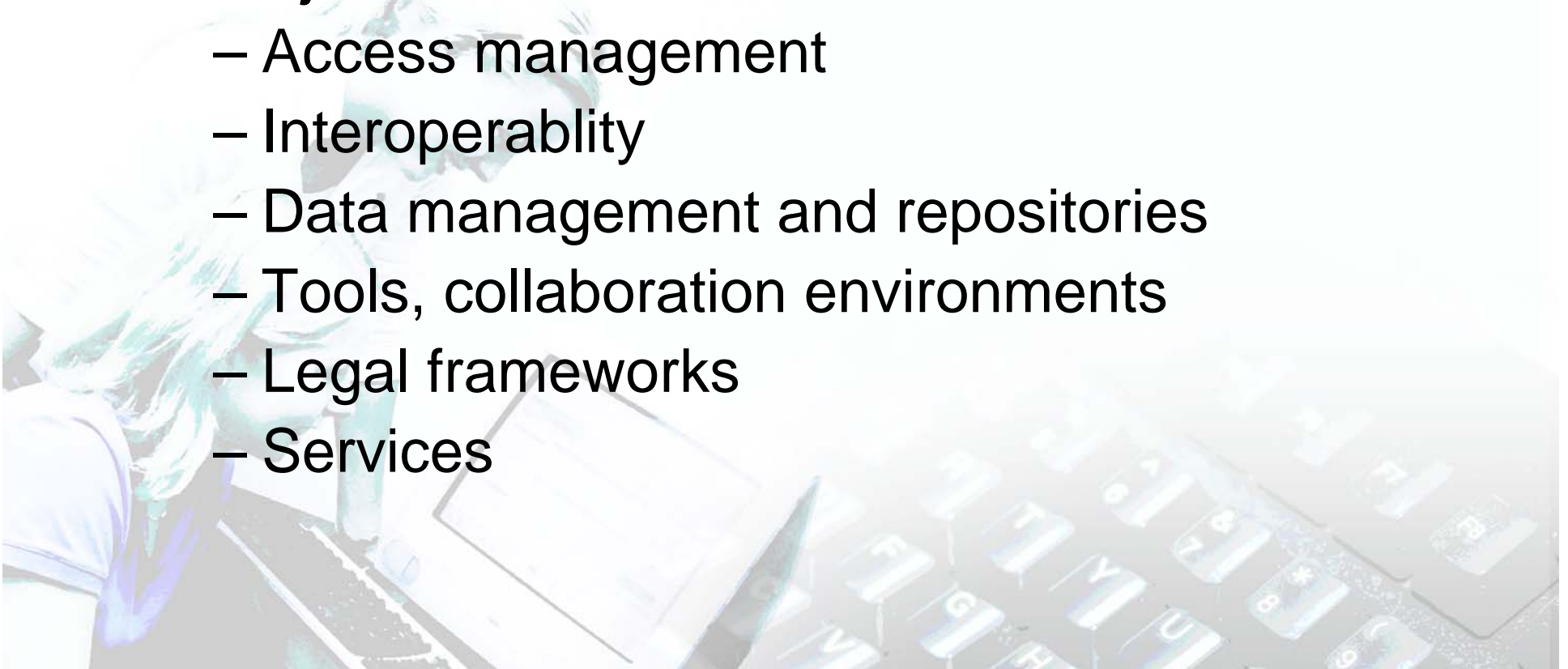
What is eResearch?

- Research is increasingly characterised by national and international multi-disciplinary collaboration.
- The term 'e-Research' encapsulates research activities that use a spectrum of advanced ICT capabilities and embraces new research methodologies emerging from increasing access to:
 - Broadband communications networks
 - Research instruments and facilities
 - Sensor networks and data repositories
 - Software and infrastructure services
 - Application tools
- DEST eResearch page:
http://www.dest.gov.au/sectors/research_sector/policies_issues_reviews/key_issues/e_research_consult/



Building eResearch infrastructure

- Systemic Infrastructure Initiative (SII)
Projects: 2002-2007
 - Access management
 - Interoperability
 - Data management and repositories
 - Tools, collaboration environments
 - Legal frameworks
 - Services





Building eResearch infrastructure

- NCRIS Capabilities: 2007-2011
 - Integrated biological systems
 - Networked biosecurity framework
 - Integrated marine observing system
 - Terrestrial ecosystem research network
 - Population health and clinical data linkage
 -
 - Platforms for collaboration



Building eResearch infrastructure

- NCRIS Platforms for Collaboration:
2007-2011
 - AAF: Australian Access Federation
 - AREN: Australian Research and Education Network
 - ARCS: Australian Research Collaboration Services
 - ANDS: Australian National Data Service
 - NCI: National Computational Infrastructure





International communities

- Committees for interoperable infrastructure
 - ECAM: European Committee for Academic Middleware
 - MACE: Middleware Architecture Committee for Education
 - Many others...
- Events
 - eResearch Australasia: 29 Sep – 3 Oct 2008
 - eresearch-announce@eresearch.edu.au



How does it apply to me?

- Find out about activities in your discipline community
- Think about what you may need in your research
 - Collaboration environments
 - Secure data storage, sharing and access
 - Tools and applications
- Ask ITS and the Library for advice
- Caveat: Some things you need may not yet be available

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Thank you

