

Global Access to Science: Meeting the Revolution

IATUL 28th Conference, Stockholm, Sweden. June 2007

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Queensland University of Technology



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The Revolution in Science

“A scientific revolution is just beginning. It has the science-based innovation potential to create an era of that could completely eclipse the last half-century of technology-based innovation; and with that, a new wave of global social, technological and economic growth.”

Towards 2020 Science

Growth or Survival?

Whether supporting growth or meeting urgent needs to solve problems that are global in scale, the new science will challenge university IT and Library capabilities in unprecedented ways.



Paper was challenging once too!



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‘...put yourself in the place of your ancestors at the time the printing press was invented. “My God”, they cried, ‘now there could be as many as a thousand books. How will we ever read them all?’

Sir Arthur C Clarke

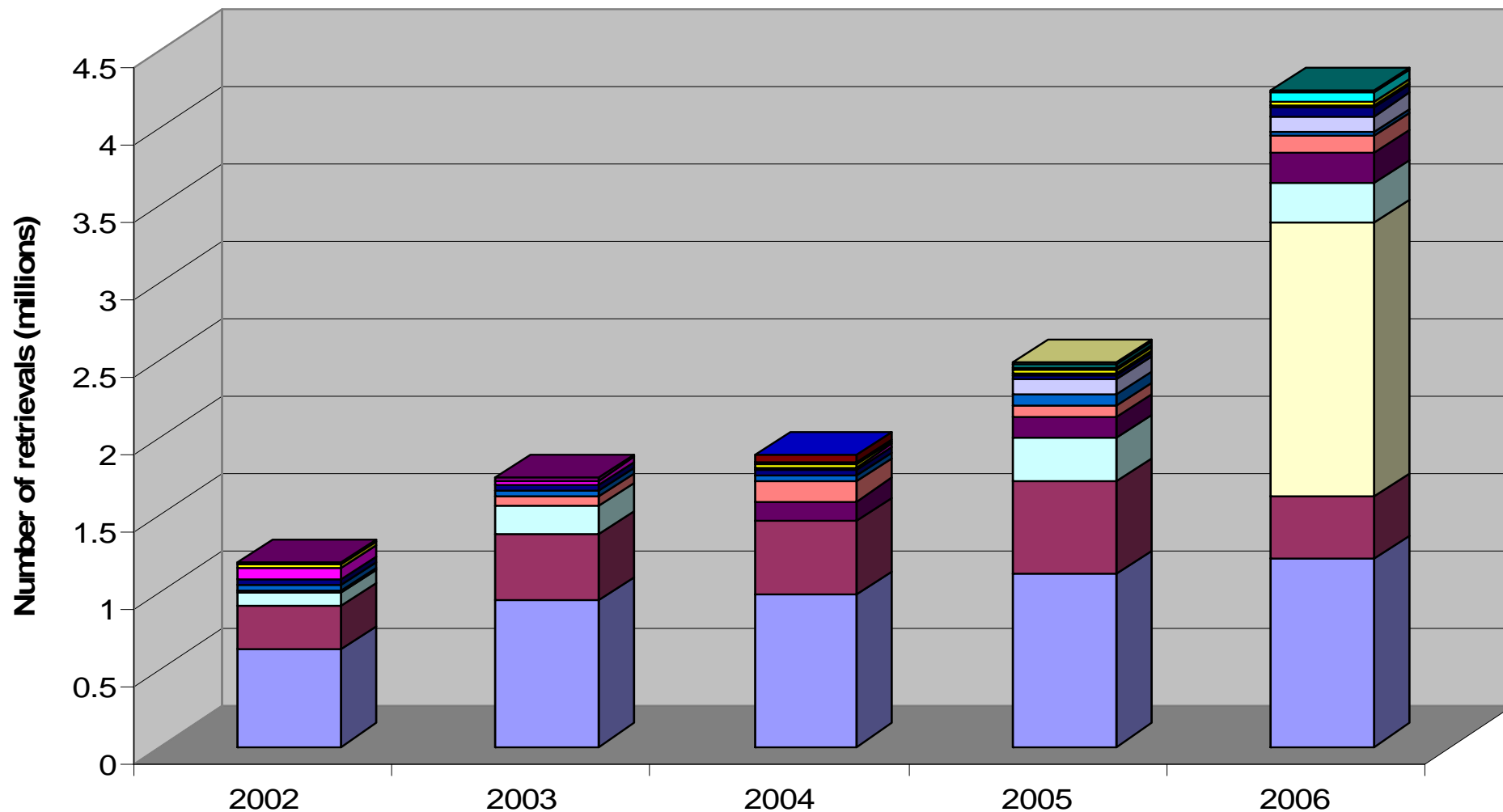


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QUT Library - Trends in Electronic Full Text Retrievals

Source: QUT Library Quarterly Reports - Usage Statistics (2002-2006)
(colours represent access through different vendors, one colour per vendor)



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Institutional Repository

“An Institutional Repository is an online locus for collecting, preserving, and disseminating – in digital form– the intellectual output of an institution, particularly a research institution.”

Wikipedia

“What are Repositories? They are simply the result of researchers discovering that if their children can do it, then so can they.”

Les Carr, May 2007



Institutional repository policy at QUT

Address <http://www.mopp.qut.edu.au/>

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Manual of Policies and Procedures

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Manual Of Policies and Procedures

[Chapter A - Governance and organisation](#)

Contains policies on governance (including management and organisational structure), compliance, risk management, planning and quality, health and safety, and equity.

[Chapter B - Human resources](#)

Contains policies on workforce planning, staffing structures, recruitment, employment conditions, staff reward and recognition, and staff conduct.

[Chapter C - Teaching and learning](#)

Contains policies on development and delivery of academic programs and courses, assessment and academic awards.

[Chapter D - Research and development](#)

Contains policies on research and research structures, research ethics, postgraduate research programs, outside work and intellectual property.

[Chapter E - Student services and administration](#)

Contains policies on admission, enrolment, fees, timetabling, examinations and results, graduation, student grievances and discipline.

[Chapter F - Information management](#)

Contains policies on management of information resources including records management, privacy, copyright, corporate identity and marketing.

[Chapter G - Financial management](#)

Contains policies on financial management, budgets, expenditure, revenue and user charging.



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Institutional repository policy at QUT

Address http://www.mopp.qut.edu.au/F/F_01_03.jsp Go Links »

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Manual of Policies and Procedures

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Policy F/1.3 E-print repository for research output at QUT

Chapters

- A - Governance/Organisation
- B - Human Resources
- C - Teaching/Learning
- D - Research/Development
- E - Student Administration
- F - Information Management**
- G - Financial Management
- H - Physical Facilities
- I - International/Community
- MOPP Appendices

MOPP Protocol
MOPP Updates

[\[Print-friendly version\]](#)

Contact Officer	Associate Director (Information Resources), Library
Approval Date	24/03/2006
Approval Authority	University Academic Board
Date of Next Review	01/07/2009

- [1.3.1 Application](#)
- [1.3.2 Policy](#)
- [1.3.3 Responsibility](#)
- [1.3.4 Operational Guidelines](#)
- [Modification History](#)

1.3.1 Application

QUT staff and post-graduate students produce research and scholarly output as a contribution to their discipline and/or as part of scholarly discourse. A significant proportion of this is intended for publication for the general purpose of recognition and impact. The following policy applies to this process, only where such output is not intended for commercialisation or individual royalty payment or revenue for the author or QUT. In effect it applies to the corpus of refereed research literature, conference proceedings, and other non-refereed output, as contributed by QUT to the outside world.

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Institutional repository policy at QUT

1.3.2 Policy

Material which represents the total publicly available research and scholarly output of the University is to be located in the University's digital or " E print " repository, subject to the exclusions noted. In this way it contributes to a growing international corpus of refereed and other research literature available on line, a process occurring in universities worldwide.



Institutional repository policy at QUT

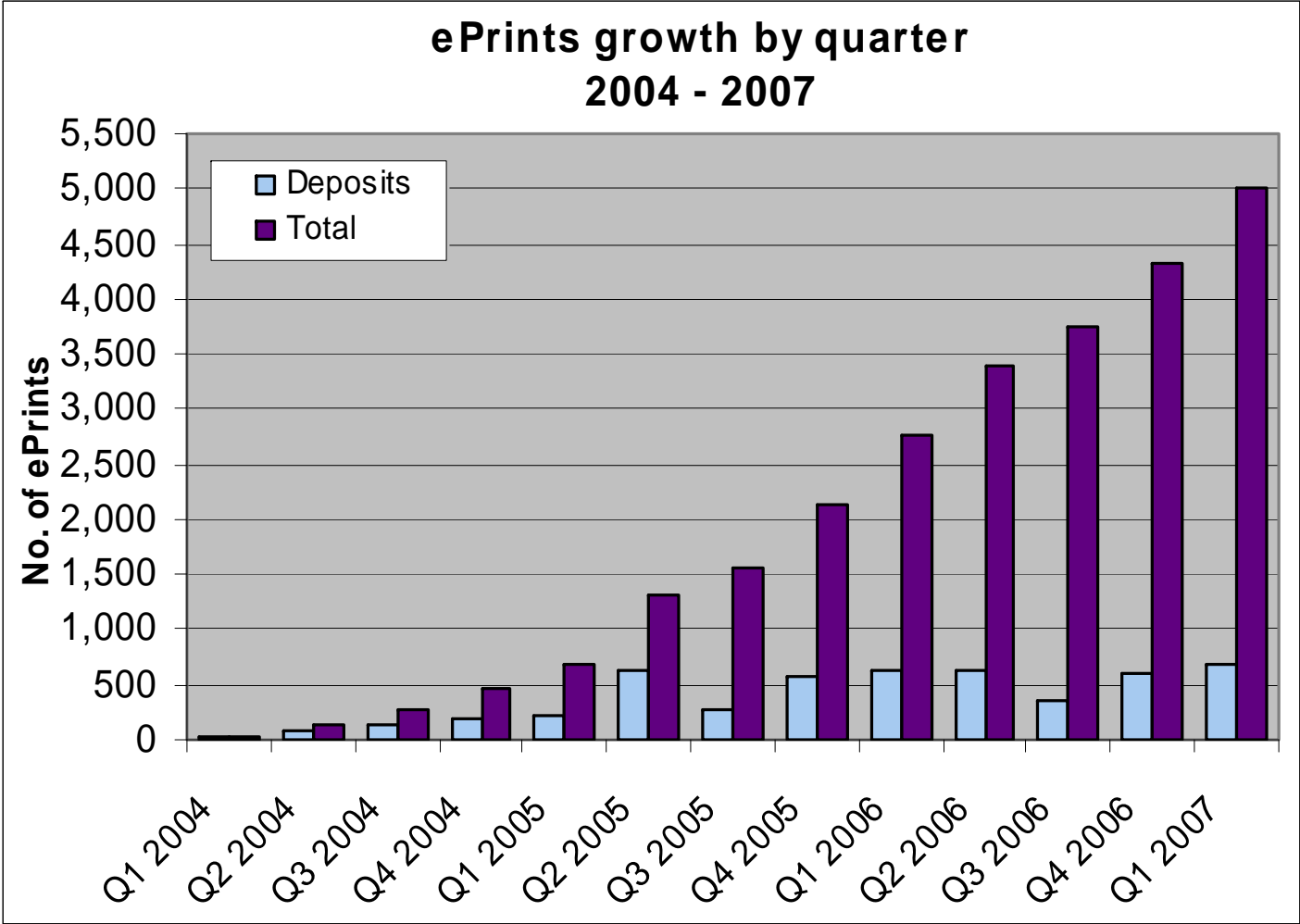
1.3.2 Policy

The following materials are to be included:

- Refereed research articles and contributions;
- Un-refereed research literature, conference contributions, chapters in proceedings, etc (the accepted draft).
- Theses as prepared for the Australian Digital Theses (ADT) process.
- Access to these contributions will be subject to any necessary agreement with the publisher.
- The material is to be organised in the repository according to the same categories used for the reporting of research to DEST
- Material to be commercialised, or which contains confidential material, or of which the promulgation would infringe a legal commitment by the University and/or the author, should not be included in the repository.



QUT ePrints Deposit Rate



QUT ePrints Top 10 Authors

Date range : 05/2006 - 05/2007

Rank	Author	File Downloads
1	Frost, Ray	45858
2	Worthington, Andrew	28153
3	Cunningham, Stuart	25547
4	Skitmore, Martin	21709
5	Watters, Jim	21442
6	Courtney, Mary	20493
7	Kloprogge, Theo	19555
8	Farrell, Ann	19198
9	Pham, Binh	18852
10	Ferreira, Luis	18062



The Rise of Mandates for Open Access

- European Research Commission (ERC)
- National Institute of Health (NIH)
- Australian Research Council (ARC)
- National Health and Medical Research Council (NHMRC)
- Australian Productivity Commission (APC)
- Wellcome Trust



Funder and Institutional Mandates

- Funder mandates, 15,
(Belgium, Europe, UK, Australia)
- Institutional mandates, 11
(Belgium, Europe, India, Portugal, Russia, Switzerland,
Turkey, UK, Australia)

--as of 31 May 2007, Registry of Open Access
Repository Material Archiving Policies.

www.eprints.org/openaccess/policysignup/

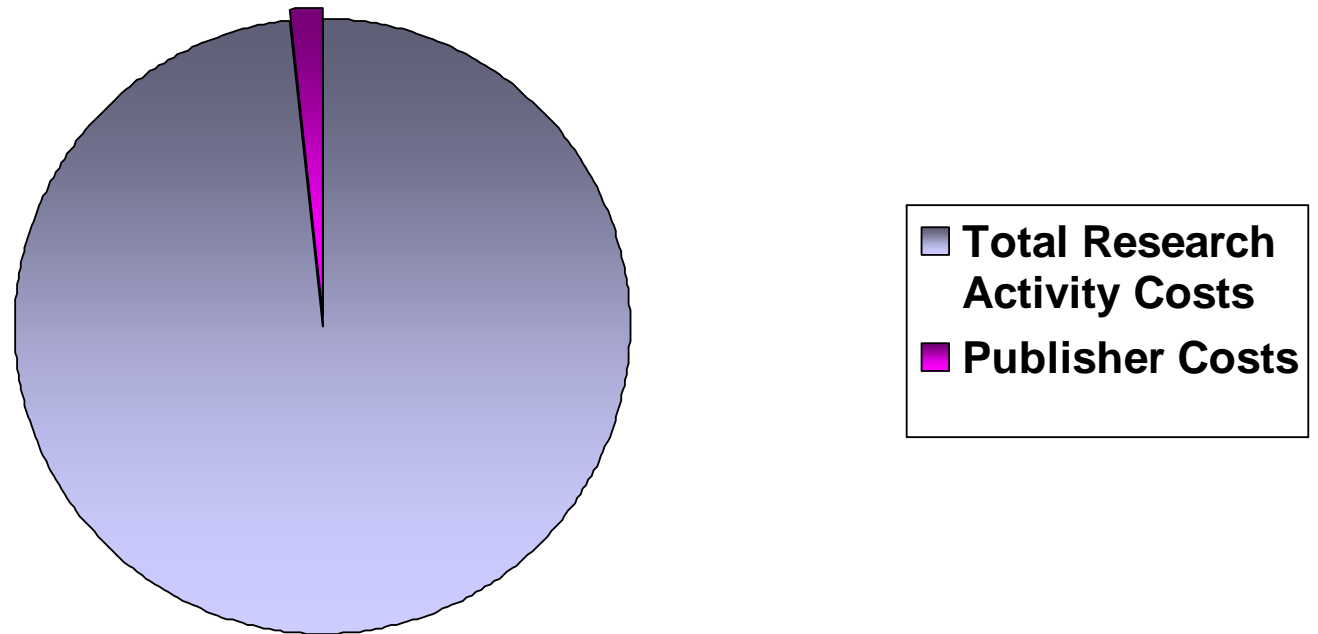


Gold or Green?

- Gold: provides publisher revenue but challenges researchers and libraries.
- Green: may bypass or duplicate publisher containers but is more controlled by the researcher (whether immediate or deferred access).
- Will Gold evolve from Green?



R&D vs Publishing



Publisher costs as proportion of total research activity costs, Australia, '03/'04

(Research Communication Costs in Australia, Emerging Opportunities and Benefits, Houghton, Steele and Sheehan, CSES Working Paper, No.24, August 2006)

Familiar Confusables

- What is a repository? i.e. what's in it?
- What does publishing mean?
- Journal title =research quality?
- Copyright as obstacle, distraction or enabler?



Oak Law Homepage

(<http://www.oaklaw.qut.edu.au/>)



OAK Law Project Open Access to Knowledge (OAK)

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Navigation

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Project Host



Funding

Legal Protocols for Copyright Management: Facilitating Open Access to Research at the National and International Levels

Legal Framework for e-Research Conference 2007

Submitted by Scott on Tue, 2007-04-24 15:16.
Wednesday 11 July - Thursday 12 July @ Surfers Paradise Marriott Resort and Spa, Gold Coast, Queensland.

The conference promises to be an exciting and engaging forum for researchers, technologists, and educators with interests and expertise in e-Research who recognise the need to remain current in this rapidly advancing field.

With vast change to the global research sector due to advances in information and communications technology (ICT) e-Research now supports all disciplines from the sciences to humanities.

This conference will examine legal issues facing e-Research both in Australia and internationally such as contractual frameworks, data ownership/access/reuse, privacy, Science Commons and IP licensing. It will provide insights into new ways of thinking about research management in the expanding e-Research environment.



Semantic loss

“Those who focus on open access, far from being radical, are not being nearly radical enough.”

Timo Hannay

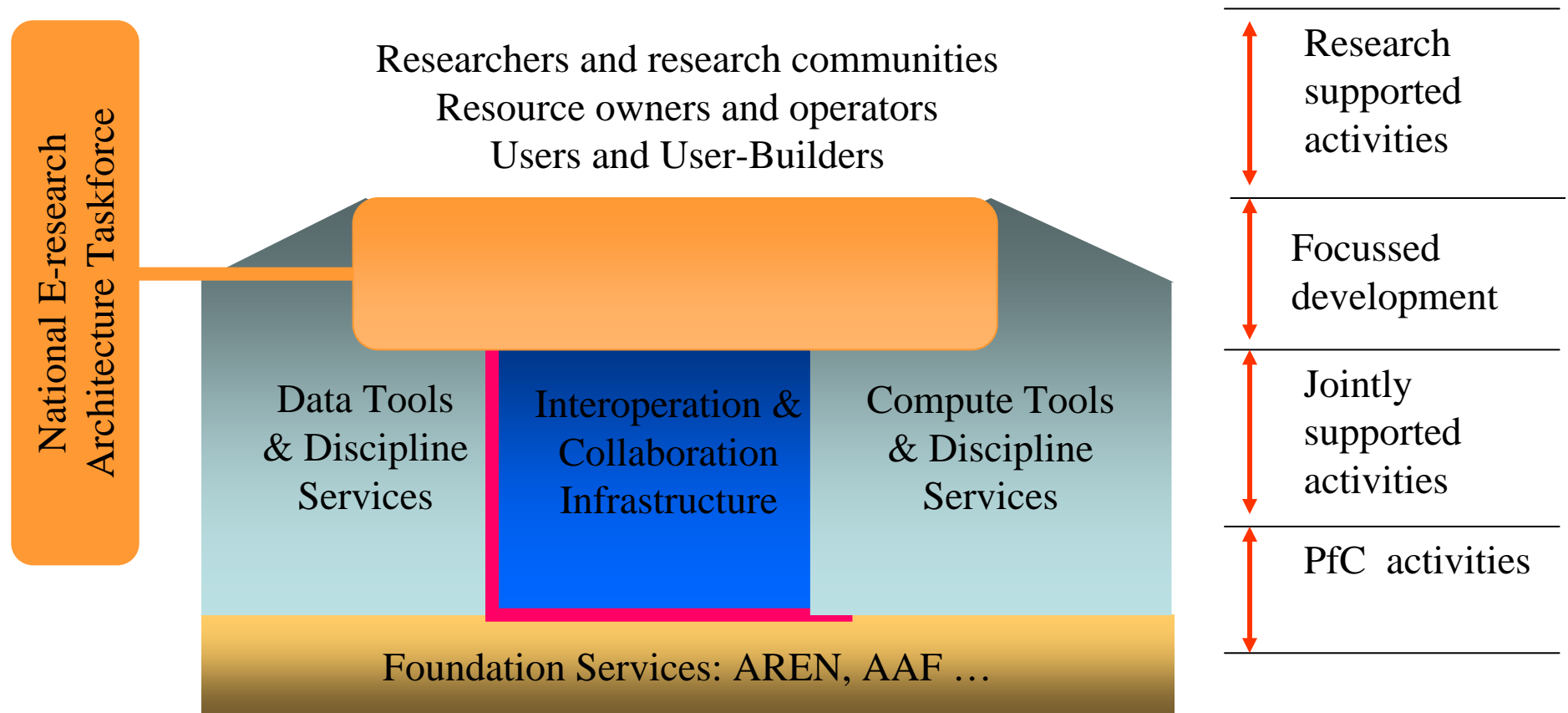


Responding to the Data Deluge

- Data more systematically linked and accessible
- The institutional repository due for a rethink
- Data duration – a global issue
- Tools and techniques of eResearch



NCRIS Platforms for Collaboration



NCRIS funds national components, and co-funds other components, noting that foundation services are to be mostly member funded

The Investment Plan

The Investment Plan is now public at:

http://www.ncris.dest.gov.au/capabilities/collaborative_investment_plan_platforms.htm



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The Challenge of the Activist Mission

- Informed understanding of the rapidly changing dynamics of scholarly publishing
- Readiness to lead in enhancing accessibility to the research of our institutions
- Clarity about the role and strategic deployment of repositories and their use
- Repudiation of the view that the ‘problems’ are too big for those with service enabling roles
- Knowledge of significant changes in the way Science is done and communicated
- Disposition to lead, or share the lead, in dealing with the data deluge





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