

Australian National Committee for eResearch and Data (ANCeD)

Tim Littlejohn

IBM Healthcare & Life Sciences

History

- Visit to CODATA in September 2004
- Identified need for Australia to re-join CODATA
- Meetings with past CODATA supporters (Norris, Wilson)
- Developing agenda
- Focus on eResearch, grid and data (with CODATA membership to follow)
- In principle support from AAS

Objectives

- To **promote and facilitate eResearch** across all disciplines of Australian science
- Provide a **national voice** for e-Science
- Encourage a **common approach** to the development of techniques, protocols, standards, and policies.
- To **foster** forward-thinking data and information management **policies** and protocols in Australian science, particularly in regard to open access to scientific data and publications
- Help **overcoming the Digital Divide** between the rich and poor, both in Australia and worldwide.
- Represent and promote **Australian interests in international** e-Science and data management and access forums.
- To **raise awareness** within the scientific community, decision-makers, educational establishments and the public about data and information management issues and the potential of e-Science .

Interim committee membership

- Charles Barton
 - Research School of Earth Sciences, Australian National University
- Tim Littlejohn
 - Business Development Executive, & biotechnology solutions specialist, IBM Life Sciences Asia-Pacific
- Prof Ray Norris
 - Deputy Director, CSIRO Australia Telescope National Facility
- Karen Wilson
 - Special Botanist, Royal Botanic Gardens Sydney

Action items

- Survey key individuals and bodies to ascertain their response to this proposal.
- Present and discuss this proposal at national gatherings (e.g., the second SEEgrid workshop)
- Hold a multi-disciplinary National eResearch workshop in 2005, to discuss eScience and data management techniques and policies, and draft a plan and composition for a NceD
- Secure agreement from key individuals and bodies to proceed.
- Promote workshop to all participants
- Elect formal committee at/after workshop
- Push forward agenda items

Need to add value:

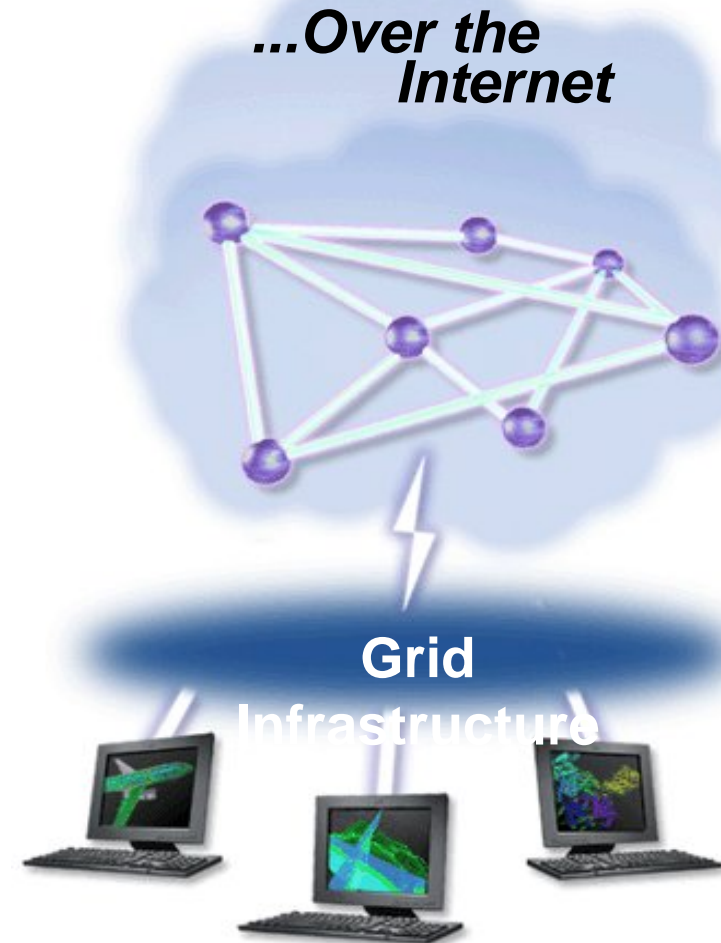
International Conference on e-Science and Grid Technologies, Dec. 5-8, 2005, Melbourne, Australia

The e-Science 2005 conference, sponsored by the IEEE Computer Society and Society for Industrial and Applied Mathematics (approval pending), is designed to bring together leading international and interdisciplinary research communities, developers, and users of e-Science applications and enabling IT technologies. The conference serves as a forum to present the results of the latest research and product/tool developments, and highlight related activities from around the world.

For further details please visit: <http://www.gridbus.org/escience>

IBM & Grid

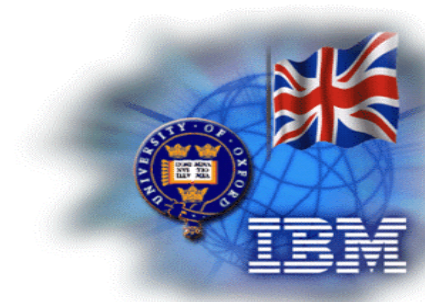
- **HealthCare & Life Sciences**
 - University of Pennsylvania – NDMA
 - eDiamond – Oxford University
 - Smallpox Grid
 - LSU Eye Center
 - North Carolina BioInformatics Grid
 - Aventis
 - Novartis
 - University of Oregon – Electro-Geodesics
 - Shanghai Life Sciences Institute
 - St. Judes Childrens Research Hospital
- **Education**
 - TeraGrid – Distributed Terascale Facility
 - China Grid
 - University of Virginia
 - WestGrid
 - University of Florida
 - Indiana University
 - University of Southern California
 - Tokyo Institute of Technology (TITEC)
- **Government**
 - UK eScience Grid
 - CERN
 - KISTI
 - European DataGrid
 - Netherlands Computing Grid
 - Japanese National Institute AIST



IBM Partnerships & Engagements

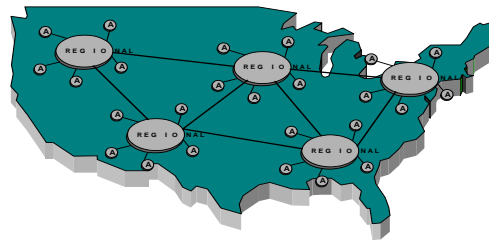


Strategic Partnership



eDiamond

National
Digital Mammography Project
Mammography
Archive



NDMA
Collaboration



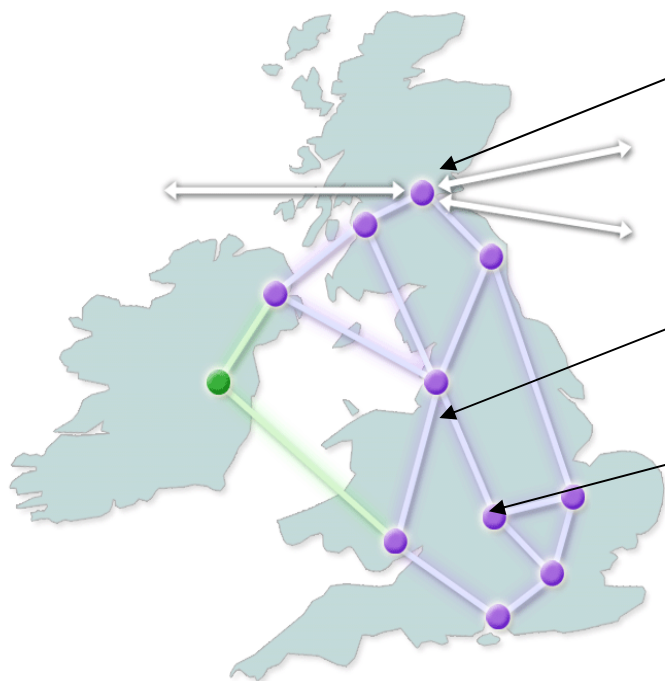
Clinical Genomics
Collaboration



Clinical Genomics
Collaboration

UK eScience Programme

www.nesc.ac.uk



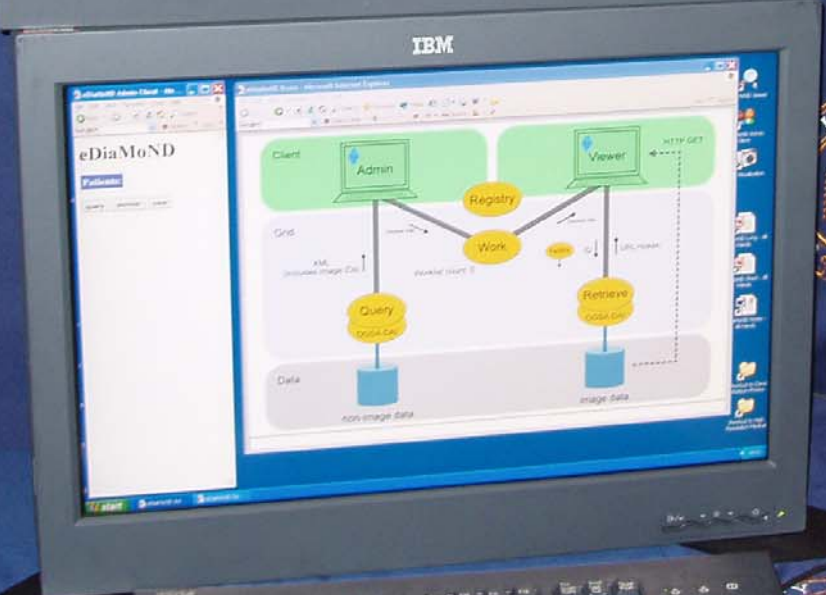
ScotGrid – Linux Cluster at Glasgow and SMP at Edinburgh: www.scotgrid.ac.uk

HPCX – 3TF to 12 TF Grid node

Oxford – Linux cluster and Data Store

OGSA-DAI – Collaboration on data access in Grid
eDiamond – Mammographic archive project

Participation in programme projects (eg through scholars programme), advisory groups, steering committees, architecture groups etc



Issues:

- Is there a need?
- If so, has it already been met?
- If not, general areas we are considering:
 - Themes – eResearch, data, grid
 - Sciences – all?
 - Extant interested parties
 - Possible committee
 - Ownership, funding
 - Goals, outcomes, KPIs
- How to fit in with other initiatives eg ARC eResearch (Prof Tsoi)

Further information

- Charles Barton (charles.barton@anu.edu.au)
- Tim Littlejohn (tglittle@au1.ibm.com)
- Ray Norris (ray.norris@csiro.au)
- Karen Wilson (karen.wilson@rbgsyd.nsw.gov.au)