



Paul Davis

www.grangenet.net



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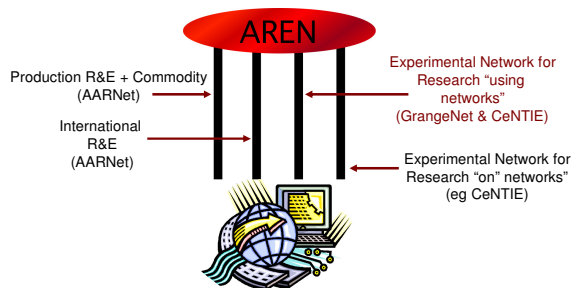


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the real reason...

"Throwing technology at a community doesn't work.
You need people to understand what it will do for them
and then they need to change their behaviour."

Micheal Curri
Strategic Networks Group



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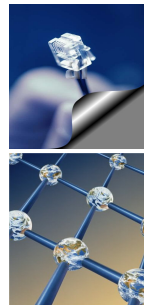
providing researchers
with ...

- ✓ framework for the development of grid services,
- ✓ test-drive high speed networks,
- ✓ explore novel techniques and new collaborations



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grangenet objectives

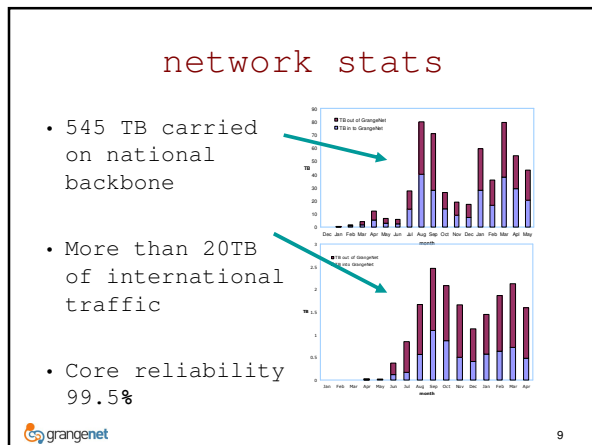
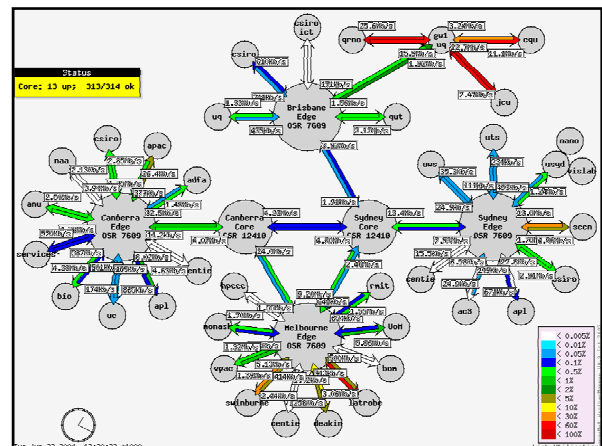
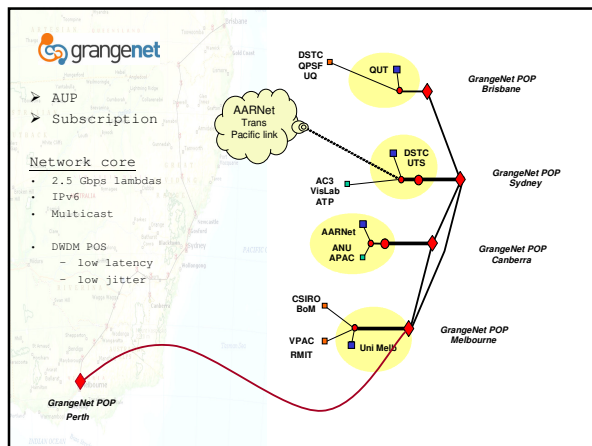


Build and operate a gigabit network for
Australian research and education

Foster the development of advanced
communications & grid services



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Communities of Interest

NANO

Tele-microscopy at the NANO facility ~ Sydney University

JEOL 3000F 300kV transmission electron microscope with field emission gun.

0.2nm resolution (ie atomic scale).

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Communities of Interest

NANO

PARADISEC

There is significant social, cultural and scientific data within languages and their interrelationships, telling us about the evolution of cultures in the region, and the movement of populations over time.

2500 languages in the Asia Pac today

200 in the decades to come.

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Communities of Interest

NANO

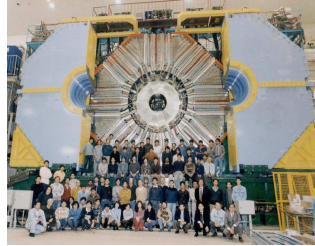
PARADISEC

AUS-VO

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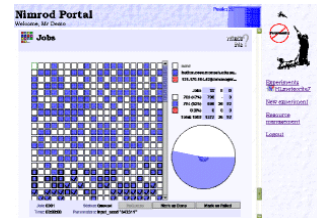
Communities of Interest



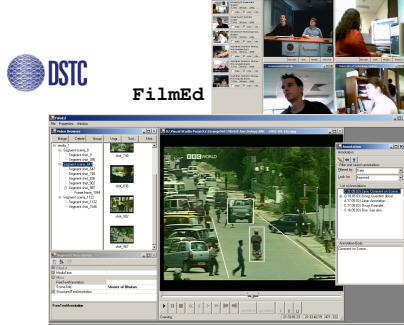
Communities of Interest



Nimrod



Communities of Interest



Communities of Interest



Streaming video training material and real time bio-physical feedback to sports venues



Telemetry for real time coaching

Communities of Interest



~~3 Year Project~~ 5 Year Project

Started in March 2002
unincorporated joint venture
\$18M funding from Australian Government



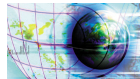


happening now

- New developments in Access Grid Technology
 - Portable access grid nodes that are easy to set up and run
 - Record and replay storage for access grid sessions (Apple)
- Project to deliver storage over fast networks
 - Proof of concept project with Hitachi Data Systems to test iSCSI storage over GrangeNet



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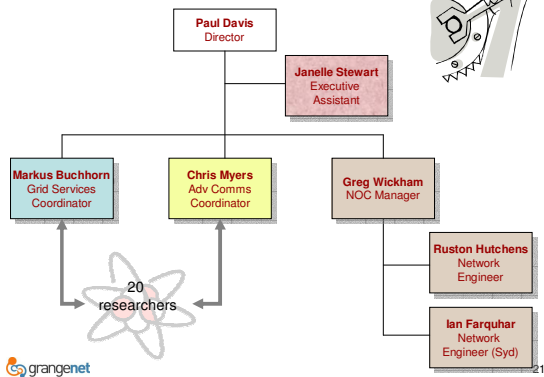
on the horizon

- New & novel collaborative research projects
 - Victorian Cultural Broadband
 - AIS interactive coaching on-line
 - PARADISEC & endangered language
 - OurTV; community content delivery over broadband pilot
- A role in the development of an Australian eResearch platforms



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who does what?



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Questions ?



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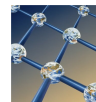


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new objectives



to operate a gigabit network for Australian research and education projects



to support grid services in the areas of access-grid, tele-science, data-grid and compute-grid



to assist in the development of Australian eResearch platforms



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