RESPIRATORY RESEARCH COMMUNICATIONS VIA THE EXCLUSIVE AARNet INTERNET NETWORK

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Women's & Children's Health Research Institute Inc.
Research for the future health of our children

Introduction

Internet-based communications have begun to revolutionise research communication and collaborations across the world.

Increased processing power and network bandwidth / speed now enable the transmission of data-rich graphics and video to provide the "telepresence" needed for effective multi-location human interactions.

Increased awareness of the carbon and financial costs of interstate and international meetings is helping drive adoption of these technologies.

AARNet

•Extensive optic fibre network
•Provides local and international academic internet and networks
•Protected bandwidth
•Reliability and speed (x40-400 in 4-6 yrs)

- AARNet POP
- < 155 Mbps
- < 622 Mbps
- < 2.5 Gbps
- < 10 Gbps

The AARNet Network 2008

Video Collaboration

AccessGrid collaborative environment:
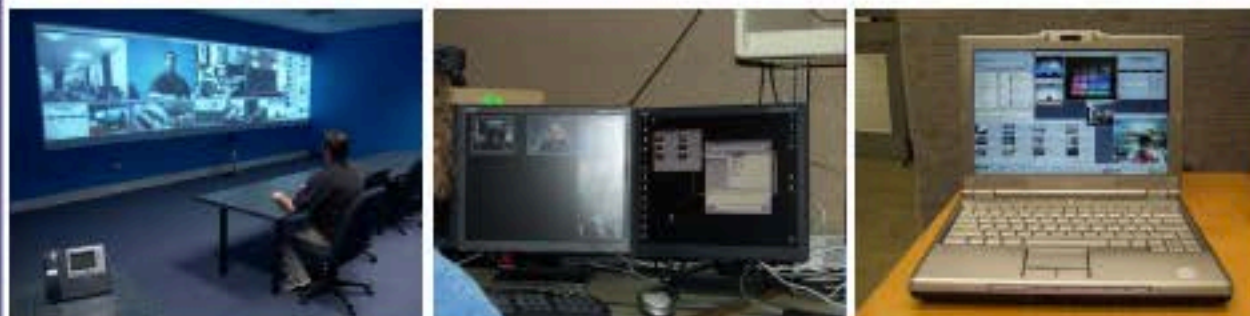•Instant file sharing
•Persistent storage
•Multiple real-time video streams
•Whiteboards / drawing screens
•Remote sensing
•Remote desktop viewing
•Jitter-free remote control
•Secure

Equipment:
•Laptop, desktop, video-walls
•Specific conference rooms

Current worldwide AccessGrid nodes

AG can be used to communicate between conference rooms, desktop computers or basic laptops

Special Addresses

AccessGrid allows multiple simultaneous video and audio streams from multiple locations

What can it be used for?

•Multi-centre video conferencing
•Remote animal monitoring
•Remote or multi-centre experiments
•Remote student meetings
•Grant review meetings
•Multi-centre clinical trial reviews
•Joint quality control meetings
•Real-time sleep study reviews
•International trials
•Paper preparations and seminars

•Think of your own uses …

For more information

http://www.aarnet.edu.au/
http://www.arcs.org.au/
http://www.accessgrid.org/
http://www.optiputer.net/optiportal/

ACCESSGRID

arcs
Australian Research Collaboration Service

aarnet

An Australian Government Initiative
National Collaborative Research Infrastructure Strategy