BROADBAND: OPPORTUNITIES TO IMPROVE CF LIFE AND CARE USING INTERNET ENABLED DEVICES

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Introduction

Internet based communications have already revolutionised research communication and collaborations across the world.

The wide deployment of optic fibre along academic networks (AARNet) together with the $43 billion fibre-to-the-home Australian broadband network proposal ("NBN"), & improved 3G mobile technology provide a unique opportunity for online collaborative environments to support CF clinical care, research, patient, and carer video-collaborations.

Networks: current & emerging

AARNet
- Extensive optic fibre network
- Local and international internet / networks
- Bandwidth, reliability, speed.

The AARNet

- Optic fibre direct
- Transparent matching to AARNet
- Academic, clinical, patient, carer linkages?

FTTH: (Optical)
Fibre To The Home

Video collaborations now available

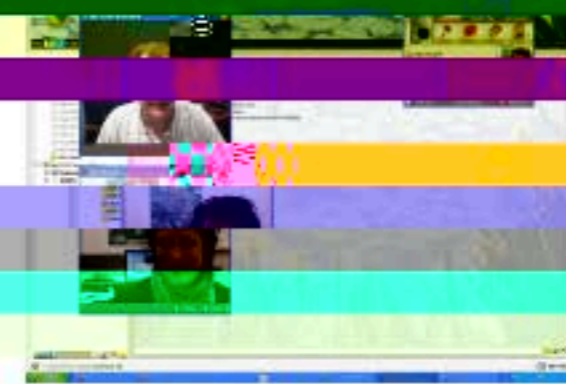### Collaborative environments
- Persistent storage
- Multiple real-time video streams
- Whiteboards / drawing screens
- Remote sensing
- Remote desktop viewing
  - Jitter-free remote control
- Secure

Standard Equipment
- Laptop, desktop, video-walls
- Specific conference rooms

Free Software
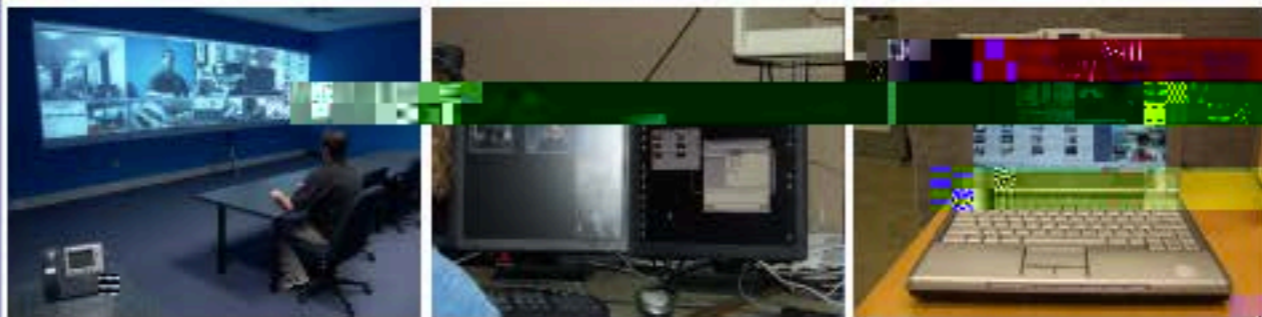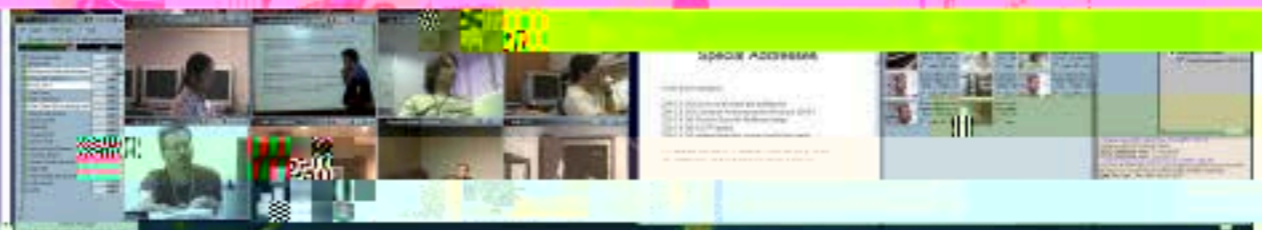- AccessGrid, EVO (both like Skype, but improved options, flexibility), etc

EVO running on a desktop PC

AccessGrid between conference rooms, desktop computers

AccessGrid and EVO allow multiple simultaneous video and audio streams from multiple locations

- National, international physician consults.
- Multi-centre studies meetings
- CF parent groups
  - Nursing interactions, HITH
- Multi-centre clinical trial monitoring
- Joint QC meetings
- Real-time physiological monitoring
- Participation in International trials
- Seminars, webinars
- Social sessions
- What's yours? …

Software
www.accessgrid.org/
evo.caltech.edu

http://www.arcs.org.au/