

## 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 ("BroadbandNet"), & improved 3G mobile technology provide a unique opportunity for online collaborative environments to support CF clinical care, research, patient, and carer video-collaborations.

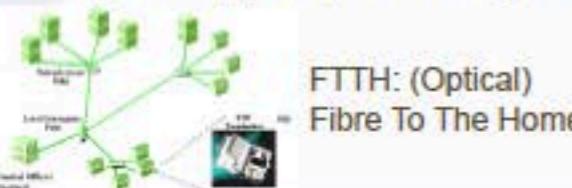
## Networks: current & emerging

### AARNet

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



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



## Video collaborations now available for download

### Software

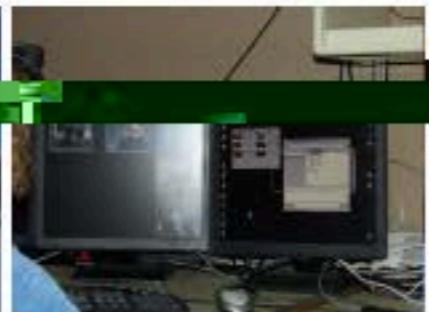
- Persistent storage
- Multiple real-time video streams
- Whiteboards / drawing screens
- Remote sensing
- Remote desktop viewing
- Jitter-free remote control
- Secure

### Standard Equipment

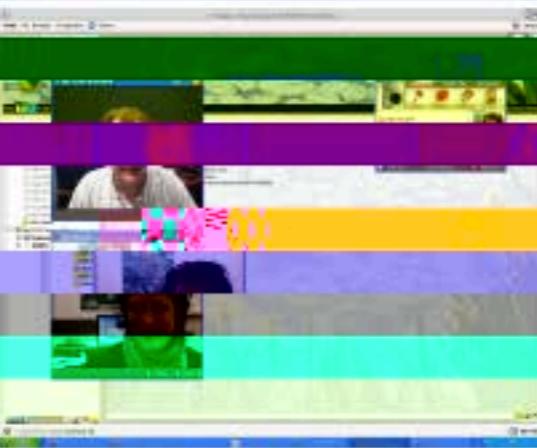
- Laptop, desktop, video-walls
- Specific conference rooms

### Free Software

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



AccessGrid between conference rooms, desktop computers, and laptop



EVO running on a desktop PC

### What uses?

- Multi-centre video conferencing
- CF clinic to clinic, national, international
- CF clinic to physician consults
- CF clinic to carer
- CF clinic to patient
- Multi-centre study 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/](http://www.accessgrid.org/)  
[evo.caltech.edu](http://evo.caltech.edu)



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