TIP2008 – GLIF
AARNet GOLE Update

Ivan Philips
Don Robertson
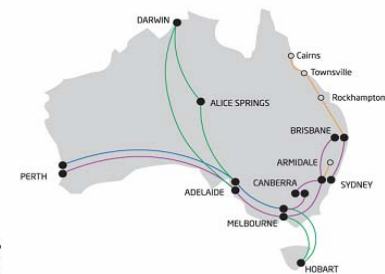
aarnet

Australia's Academic
and Research Network

AARNet – Australia's NREN

Map legend:
- AARNet Owned & Operated Infrastructure
- Other R&E World Networks

Labeled cities: COPENHAGEN, LONDON, FRANKFURT, ROME, MUMBAI, CAPE TOWN, BEIJING, SEOUL, TOKYO, TAIPEI, HANOI, HONG KONG, BANGKOK, QUEZON CITY, KUALA LUMPUR, SINGAPORE, BANDUNG, SUVA, HONOLULU, MAUNA LANI, SEATTLE, PALO ALTO, LOS ANGELES, NEW YORK

Domestic Footprint

Technology

- Cisco ONS 15454 MSTP
  - 32 DWDM Channel System
  - 2 channels lit today
    - 10G IP National IP network
    - STM-64 National TDM (SDH) Network
- Cisco ONS 15454 MSPP
  - GFP 1G LP
  - CE-1000-4 Line Cards
  - Over 50 point to point circuits
- SCCN STM-64 to Hawaii/CENIC

Past Activities

- OptiPuter – USCD to Uni Melbourne
  - 1 x 1G – HD Video
- EXPReS – ATNF to JIVE
  - 3 x 1G – eVLBI

Future Plans

- Grow Domestic SDH Network

  - Q2-3 2008 - Raise capacity to 2 x STM-64 on all domestic legs

- Investigate Control Plane Technologies

- Continue to support Radio Astronomers and OptiPuter projects

- Need to find domestic users

The End