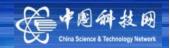


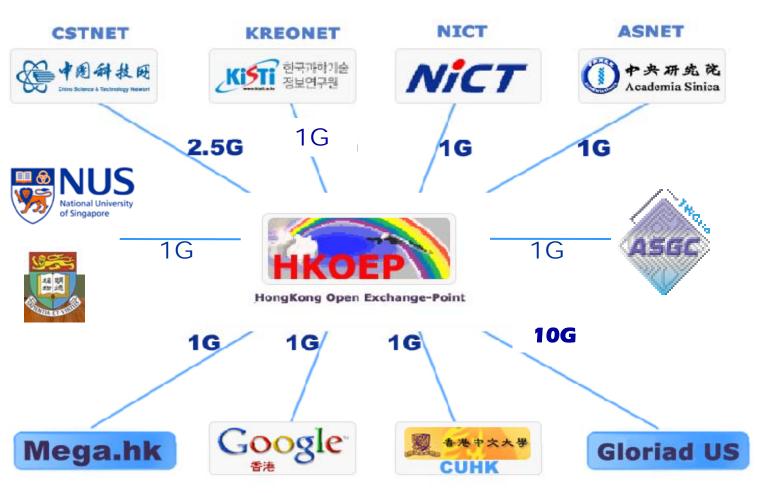
HKOEP Update

Jiangning Chen

10th Annual Global LambdaGrid Workshop 13-14 October 2010,Geneva, Switzerland



HKOEP Current Status





GLORIAD-Taj





GLORIAD-Taj Program





Global Ring Network for Advanced Applications Development

Map Credit: Nacasha Bulashova



HKOEP Cross-Connections

- Upgrade Beijing HK to 2.5G, Nov.23, 2004
- Link to NICT JP at 1G, Dec.26, 2004
- Link to Chicago at 155M, on Jan.12, 2005
- Link to ASNet TW at 1G, on Jan. 26, 2005
- Link to Google at 1G,April.13, 2005
- Link to HKIX/CUHK at 1G, on April. 20, 2005
- Link to i-advantage at 1G, April. 20, 2005
- Link to KREONET2 KR at 1G, on July, 2005
- Upgrading HK-USA to 2.5G, June 2006 (light path)
- Upgrading BJ-HK by optical connection, Aug,2007
- Testing BJ-US-AU, lightpath April-May,2008
- Link to ASGC TW at 1G, July, 2008
- Link to NUS through HKIX at 1GE on Sep. 2009
- Link to HKU at 1GE in Oct. 2009
- Upgrade to Seattle at 10G in Sep.2010
- Plan to link to Singapore at 1G in Oct.2010
- Plan to link to ESnet at pacificwave in Oct.2010





Equipment update



GSR 12008 Before 31 July 2005



GSR 12410 31 July 2005



ONS 15454 Mar 2006



OME 6500 Aug 2007



Work from Jan. 2009 as expanded router



Plan to replace GSR 12410 in Dec. 2010

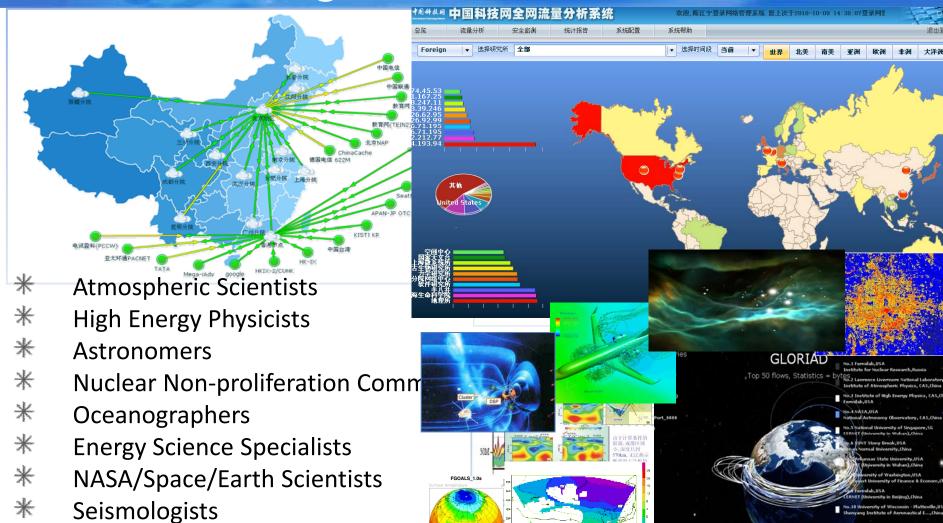


GLORIAD DyNoc

Network Management&Measurement

Bioinformatics, genomics,

Many others ...

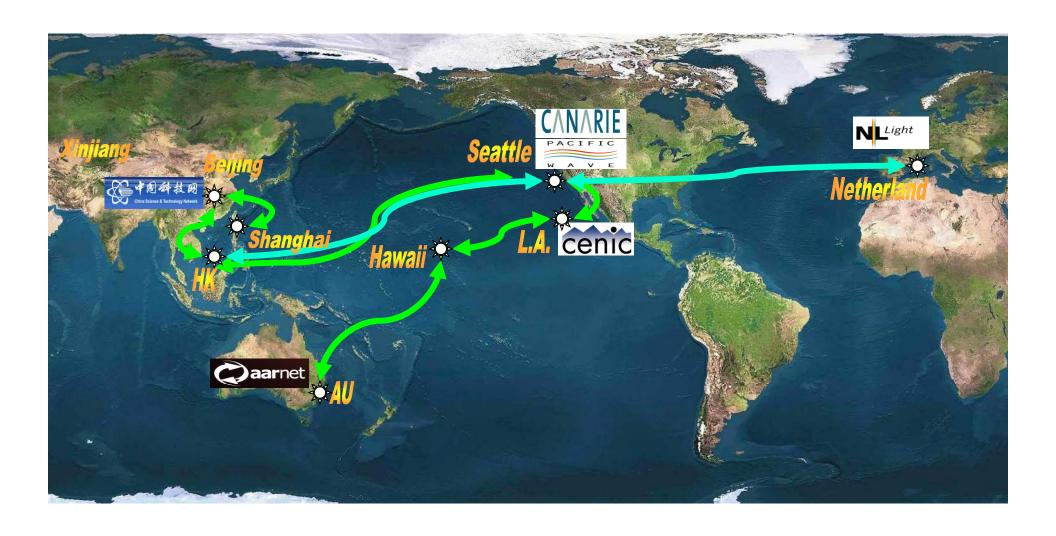




Integrated Services for ITER



Lightpaths provisioning for eVL的 CHINA SCIENCE & TECHNOLOGY NETWORK

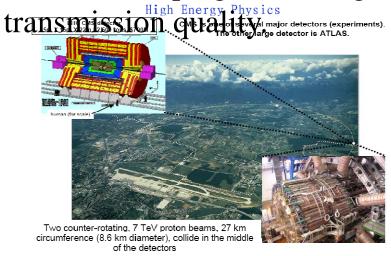


Future Internet Research



High Performance Transfer Protocol

- Requirements of bulk scientific data transfer:
- High throughput, reliable, real-time
- To design high performance transfer protocol for bulk data transfer applications and future Internet
- •effort on helping end user get a better end-to-end



High energy physics LHC



Astronomy e-VLBI



Thanks