



GigaPort Annual Report



The GigaPort Annual Report 2007 was recently published. This flyer presents an overview of the project activities of the past year.

The rollout of SURFnet6 was completed in 2006 and all 160 connected institutions were migrated. The focus in 2007 was wholly on using this powerful and flexible optic network

The GigaPort Annual Report 2007 can be downloaded from:
<http://www.surfnet.nl/nl/publicaties/jaarverslagen/>

Dutch collection of 4K video content made available

The Netherlands CineGrid Exchange became operational on Tuesday 17 June. The Exchange is a collection of computer disks with a capacity of 96 Terabytes that provides access to an extensive collection of digital video content in the best image quality available (4K cinema). This is the first collection of 4K content outside of the US and Japan. SURFnet, the Universiteit van Amsterdam (UvA) and Waag Society demonstrated the video collection at the Mediapark annual conference in Hilversum on 17 June.

Watching video content of this quality is sensational. The image is larger and more defined than reality: four times better than HDTV, ten times better than standard television. In contrast to regular movie projectors it delivers a completely stable image. The sound is also many times better. 4K therefore offers many new possibilities for science and education, but also for culture and entertainment. At present showings of 4K material are still rare. They require enormous projectors and there is only a limited amount of content available. This situation is changing, as the Netherlands CineGrid Exchange now links to the existing CineGrid Exchanges in the United States and Japan.

The Netherlands CineGrid Exchange, located at the UvA, is a collaboration of the Universiteit van Amsterdam and SURFnet. CineGrid is a worldwide organisation that aims to promote research, development and showcasing of high-quality digital media over optical networks from various disciplines. The organisation is located in California. Waag Society took the initiative for CineGrid in the Netherlands. For further information on CineGrid: <http://www.cinegrid.nl/>

Anniversary book



SURFnet celebrated its twentieth birthday in 2008. A special book was published on this occasion: *SURFnet 1988-2008, twenty years of networking*. Chapter 2 about 'SURFnet: the organisation' is available online.

<http://www.surfnet.nl/en/publicaties/Overig/Pages/Default.aspx>



SURFnet is link in worldwide real-time virtual telescope

On 22 May Members of the EXPReS project (Express Production Real-time e-VLBI Service) connected telescopes in Africa, Europe and North and South America to the central data collector in Amsterdam for the first time.

In doing so the project created a virtual telescope with an 11,000 kilometre diameter.

The collected data was processed in real-time and the results were shown at the Terena Networking Conference in Bruges, Belgium. As an EXPReS project member SURFnet was among the networks used to transport the raw and processed data.

For further information visit:
<http://www.express-eu.org/>

New GLIF maps available

GLIF, the Global Lambda Integrated Facility, published a new map of the world-wide multi-Gigabit optical network.

GLIF is a virtual organisation of (optical) networks and experts that supports the collaboration of international multi-disciplinary teams of researchers. The map provides an overview of the optical connections that are made available for international experiments.

SURFnet and the NetherLight optical node are active participants in GLIF. A 4K animation of the new GLIF map was shown at the SURFnet relation days.

Take a look at the GLIF map at:
<http://www.glif.is/publications/maps/>

