

SURF
NET

enlighten
your
research

Enlighten Your Research

A contest for scientists using lightpaths

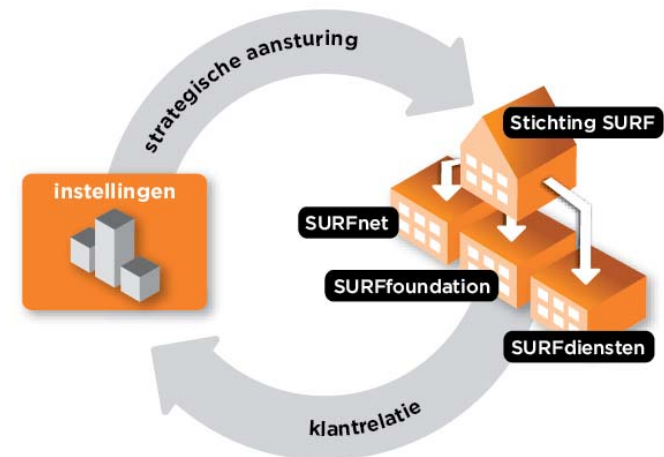
Peter Hinrich – 10th GLIF meeting

Geneva – October 13, 2010



About SURFnet

- SURFnet: Owned by and working for the users in R & HE in NL: On the demand side of the market
- 160 connected institutes
- 1.000.000 end-users





A brief history



- 2006: SURFnet introduces the SURFnet 6 network, the world first hybrid network, offering both IP- and lightpath services
- Lightpath service is successfully adopted by 'heavy users' and for general ICT purposes (Optical Private Networks)
- 2008: dynamic lightpath service becomes available on the SURFnet6 network
- Awareness about the new possibilities does not reach other disciplines



Enlighten Your Research



- A contest for researchers, organized by SURFnet in collaboration with NWO
- Creating awareness among researchers
- Stimulate new ways of doing research using lightpath service, creating interesting use cases
- 1st edition: fixed lightpath services
- 2nd edition: dynamic lightpath services



Enlighten Your Research 2

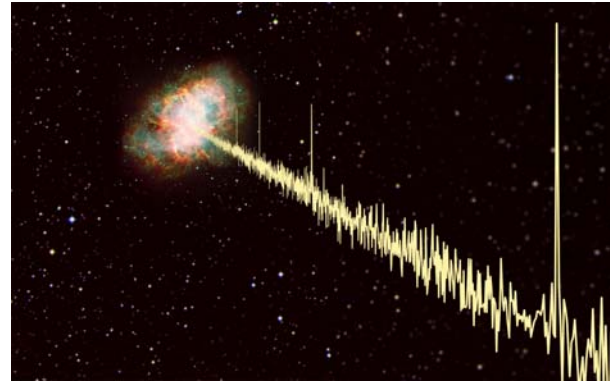


- Submitting research proposals using dynamic lightpath service
- Max. 5 locations per proposal
- Exclusive for connected institutes
- 3 winners: dynamic lightpath usage and € 20.000

3 winning proposals



Proteomics, analysis of LCMS data



Radio astronomy, pulsar research



Testbed for CineGrid

NI

What we have learned

- Users **very happy** with lightpath service
- **Campus infrastructure** not always prepared
- Alignment of local **security parameters** and policies between lightpath users is a must
- Users need **webservices** rather than web interface
- Users need combination of lightpaths, computing and storage as **dynamic resources**
- Users need interdomain/**international** lightpaths



Enlighten Your Research 3

- Collaboration with Dutch NGI (BiG Grid) and NWO
- Interdomain / international lightpaths
- Collaboration with international partners
- Announcement spring/summer 2011
- Award ceremony end 2011



Thank you



Questions and/or discussion:

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<http://www.surfnet.nl/en/Thema/eyr/>