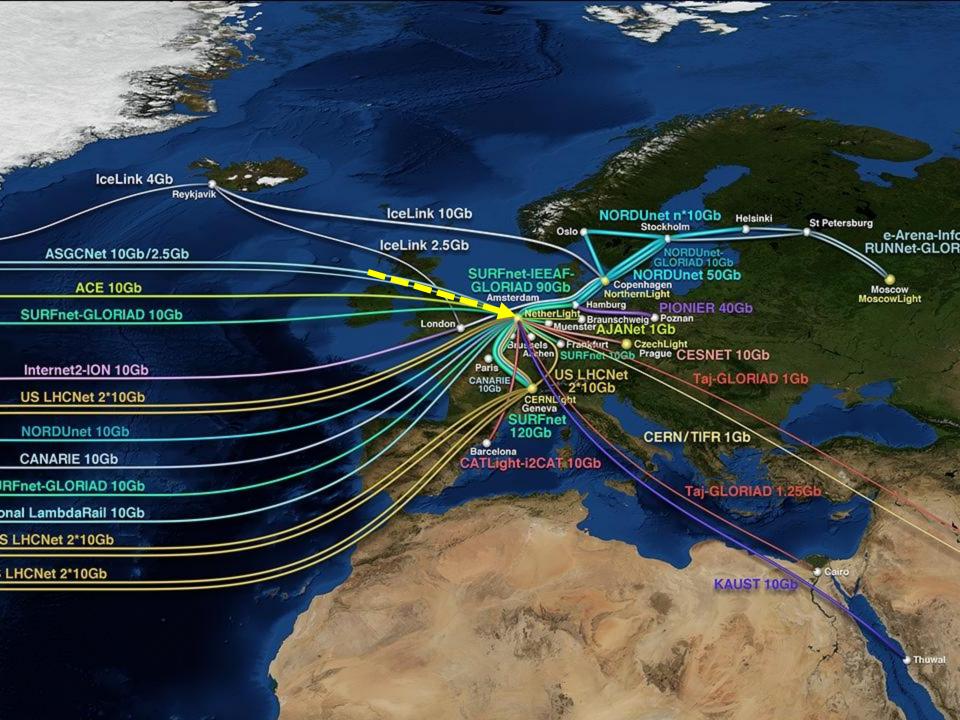
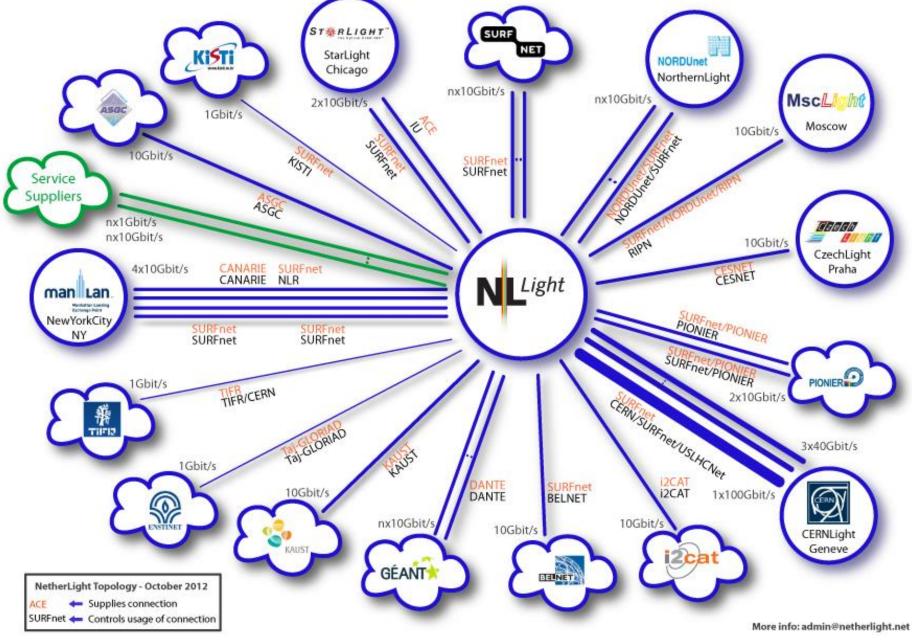


Gerben van Malenstein

Chicago, Illinois, USA - October 11, 2012







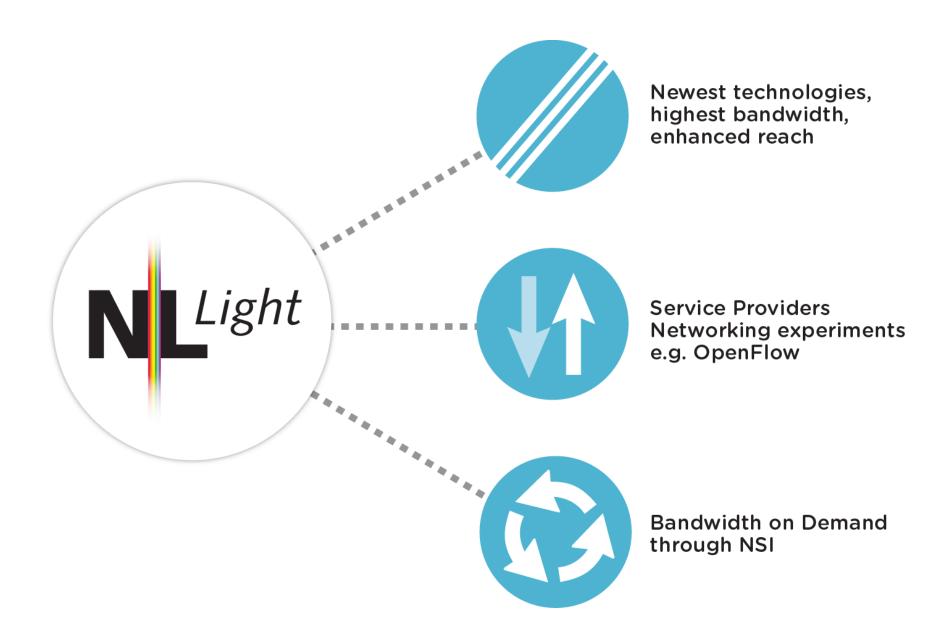
- Dark Fiber Maastricht (Netherlands) Hasselt (Belgium) in service since April 2012
- 10GE Amsterdam London in service since August 2012

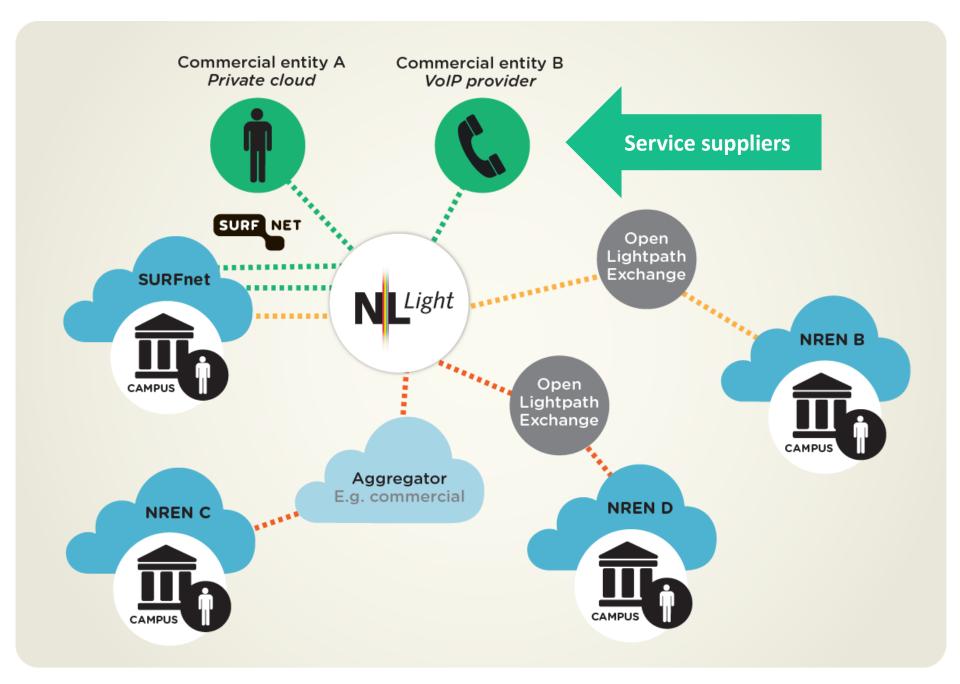


## Core Values at NetherLight

- SURFnet facilitates interconnects on a global scale between
  R&E networks, international carriers and (cloud) service providers.
- SURFnet strives to use cutting-edge networking technology.
- SURFnet promotes competition and innovation hence supporting an open connection policy (anyone can connect) and not imposing use policies with regard to the traffic on the interconnects.
- SURFnet actively contributes to international connections with other networks, preferably using Open Exchanges in order to enhance higher education and research purposes.



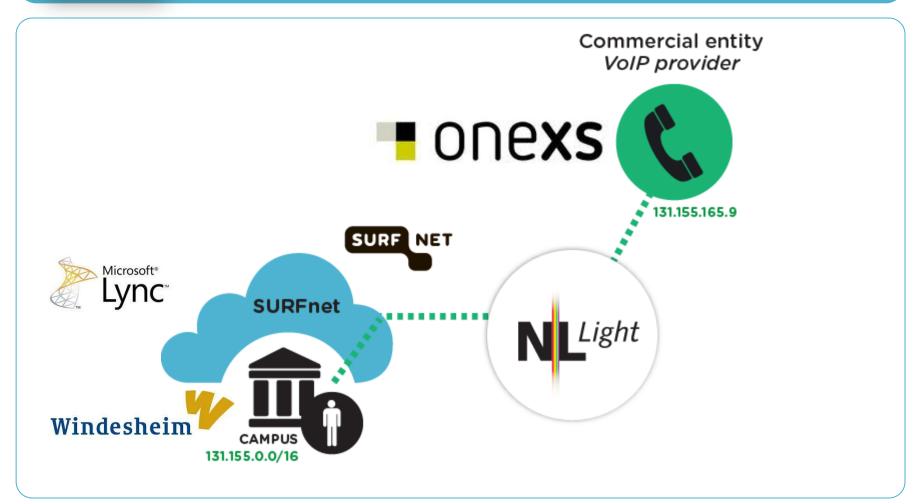






## **SIP Trunk**

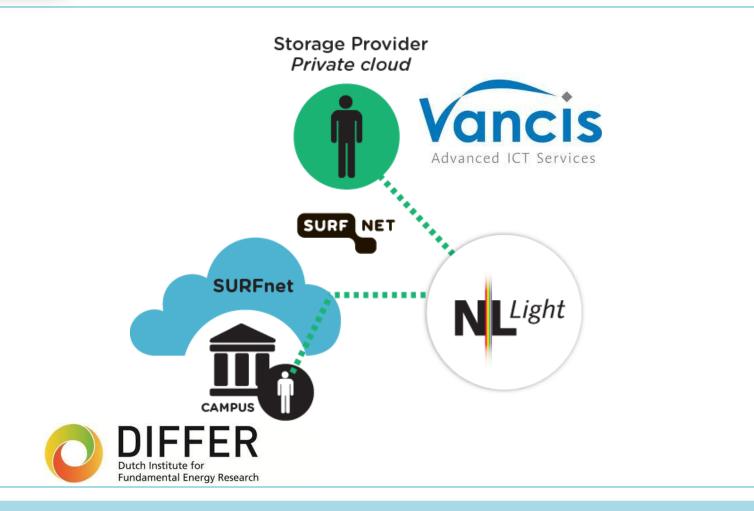
Embedding the service in the campus with a lightpath







# Storage: back-up

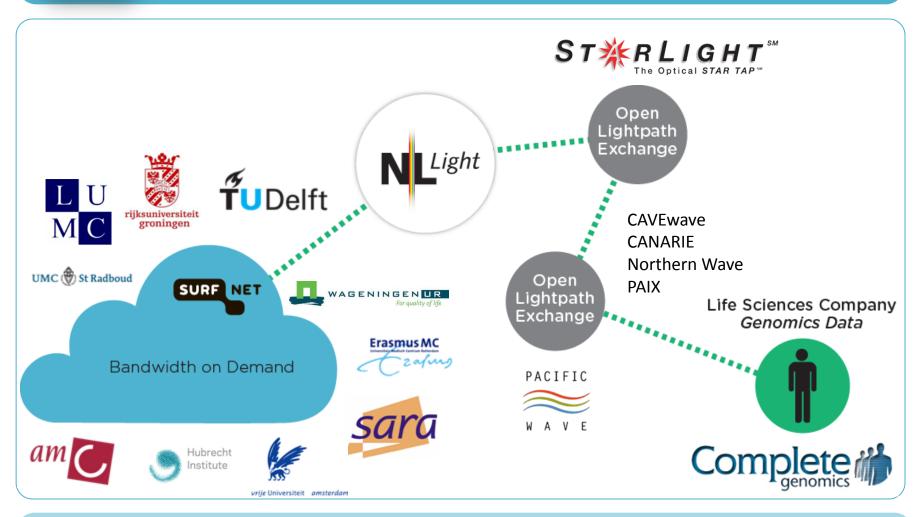






## **Genomics**

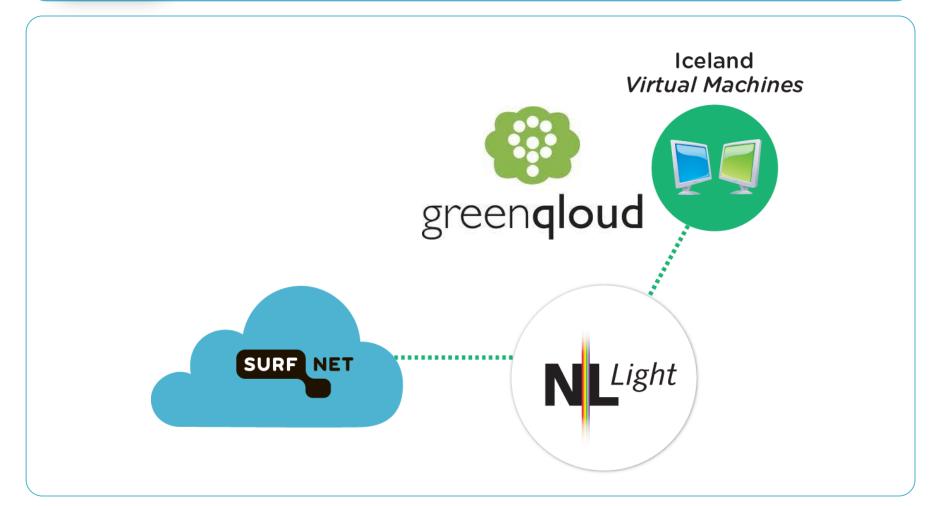
Winner of Enlighten Your Research 3 – Jan Bot





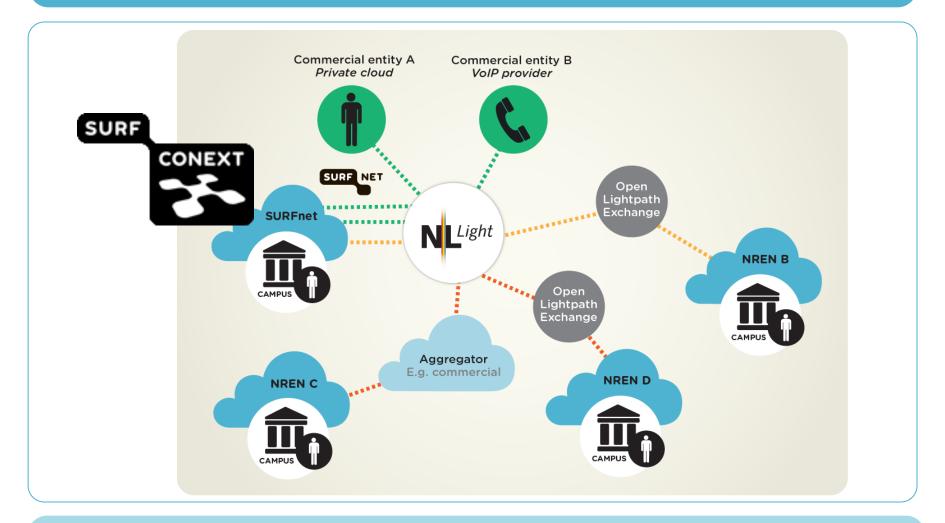


# **Virtual Machines (Pilot)**





## **Near future**

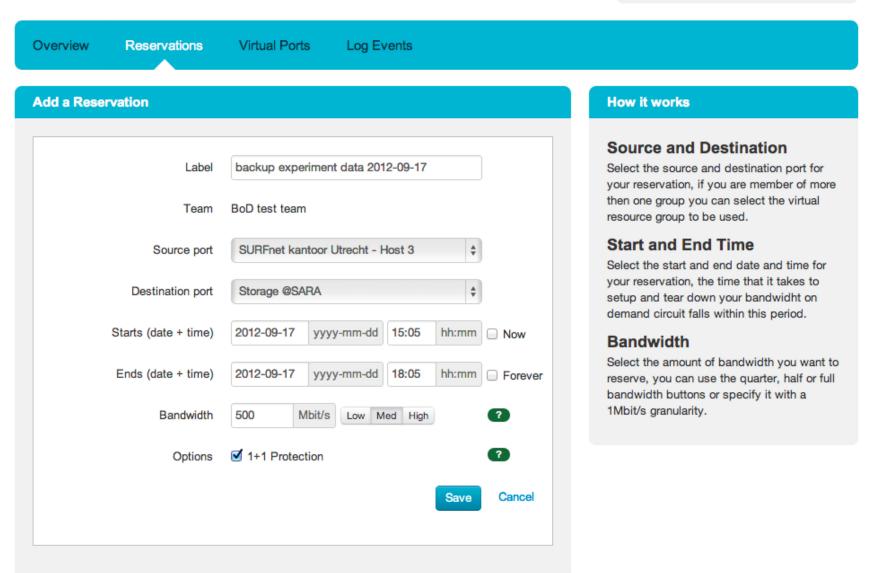




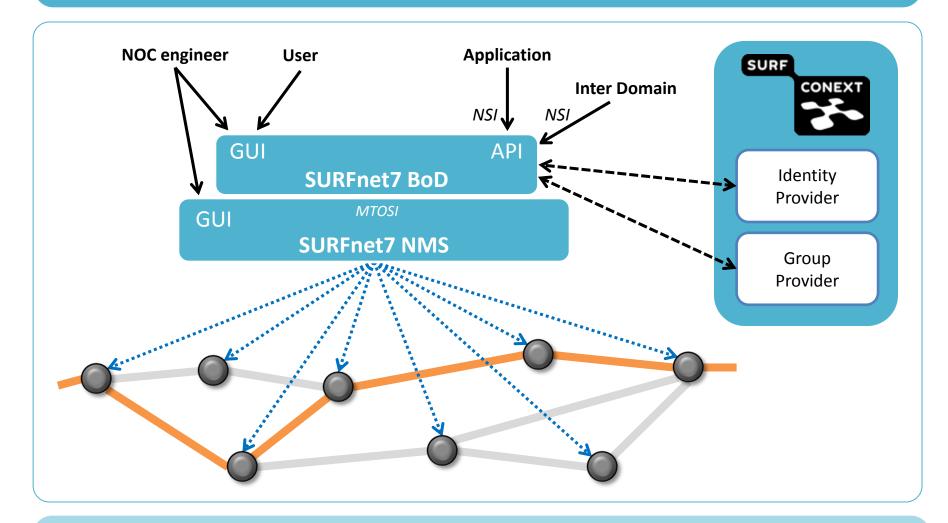


#### Bandwidth on Demand

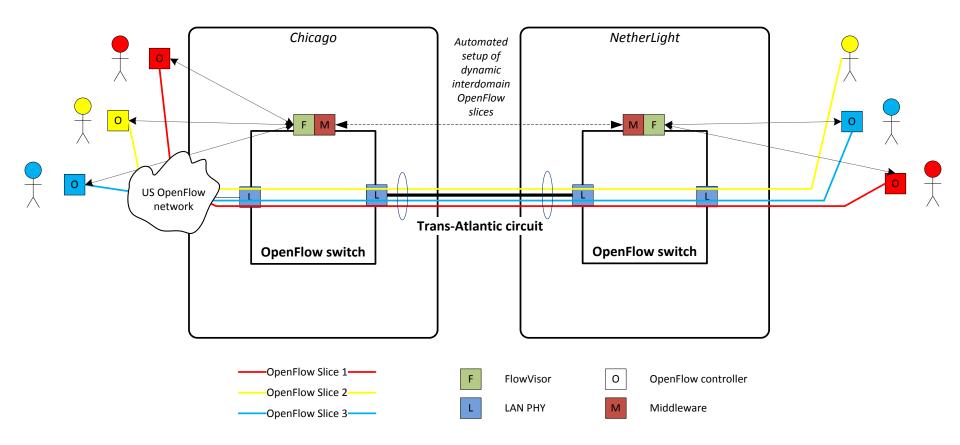




## **BoD in SURFnet7**



# **Interdomain OpenFlow slices**





## 2013

- Trans-Atlantic connectivity tender framework
- Interdomain OpenFlow slices available
  - Manually provisioned, later on automated provisioning
- Connecting more/different service suppliers
  - Second NetherLight location
- LHCONE Dynamic P2P connectivity pilot
- NSI-CS 2.0, topology service, BoD authentication & authorization, ...





gerben.vanmalenstein[at]surfnet.nl



www.surfnet.nl



+31 30 2 305 305





Creative Commons "Attribution" license: http://creativecommons.org/licenses/by/3.0/

