GLIF Tech Results

iGrid2005
San Diego, CA, USA
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GLIF Tech Co-chairs:
René Hatem (CANARIE)
Erik-Jan Bos (SURFnet)

GLIF Tech Secretary:
Kevin Meynell (TERENA)

GLIF Tech and Ctrl challenges

- Tech: Manually, now:
  - Smooth interworking on technical and human levels

- Ctrl: Automated, as far as we can get it; work to be done:
  - Automated Control Plane
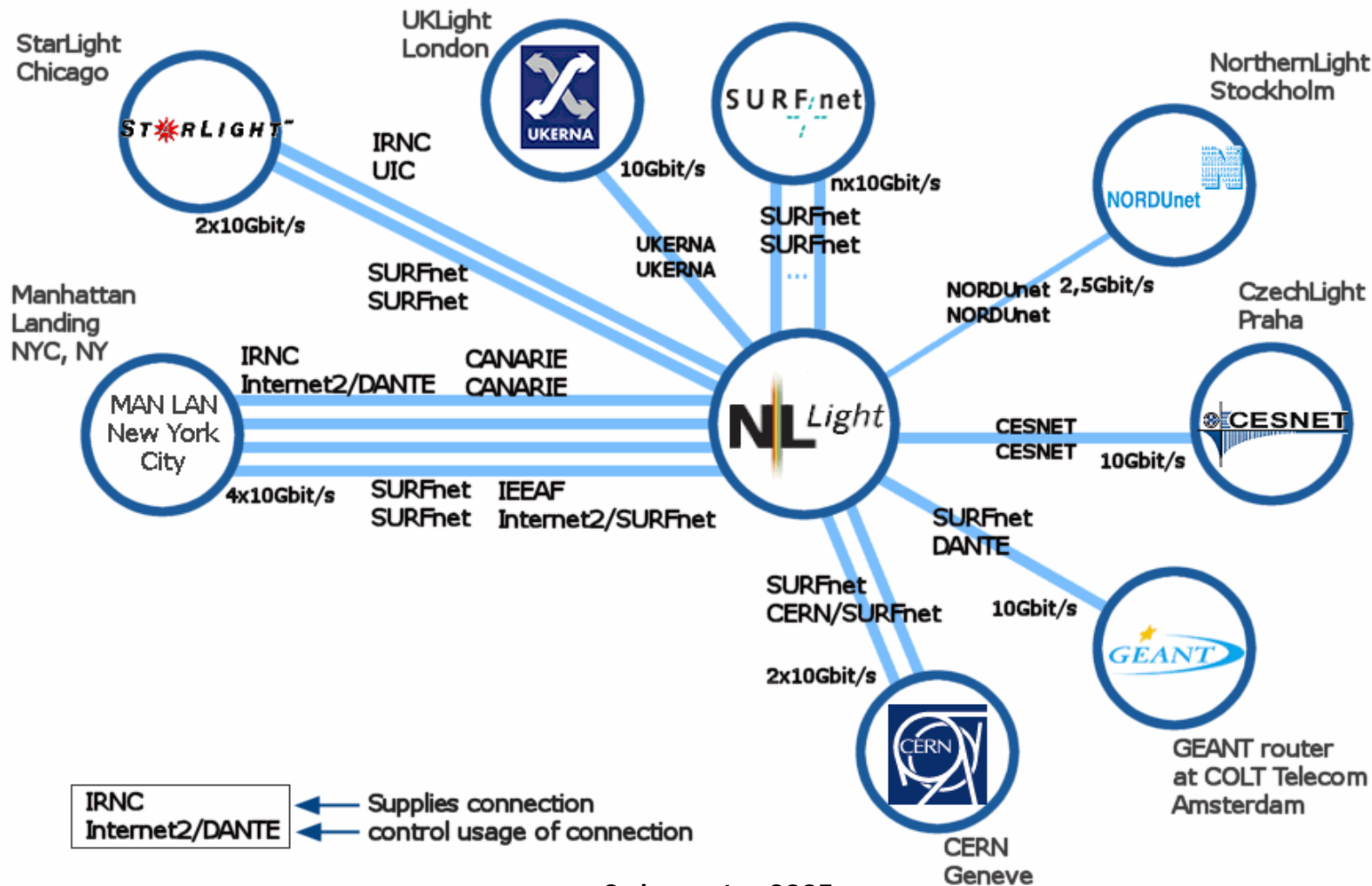 - Work with Grid community

Terms and definitions

Define currently used terms, "good enough":

- Lambda
- Lightpath
- GLIF Open Lightpath Exchange (GOLE)

GLIF Resources, Updates from…

- NetherLight (Erik-Jan)
- NorthernLight (Lars)
- UKLight (John or David S.)
- CERN (David F.)
- MAN LAN (Rick)
- CANARIE-StarLight (René)
- CANARIE-Pacific NorthWest GigaPOP (René)
- T-Lex (Akira)
- GLORIAD-KR 10G Networks (Dongkyun)
- LHCnet (Dan/Yang)
- UltraLight (Dan/Yang)
- PNW GigaPOP (David R.)

Lambda connections to NetherLight

3rd quarter 2005
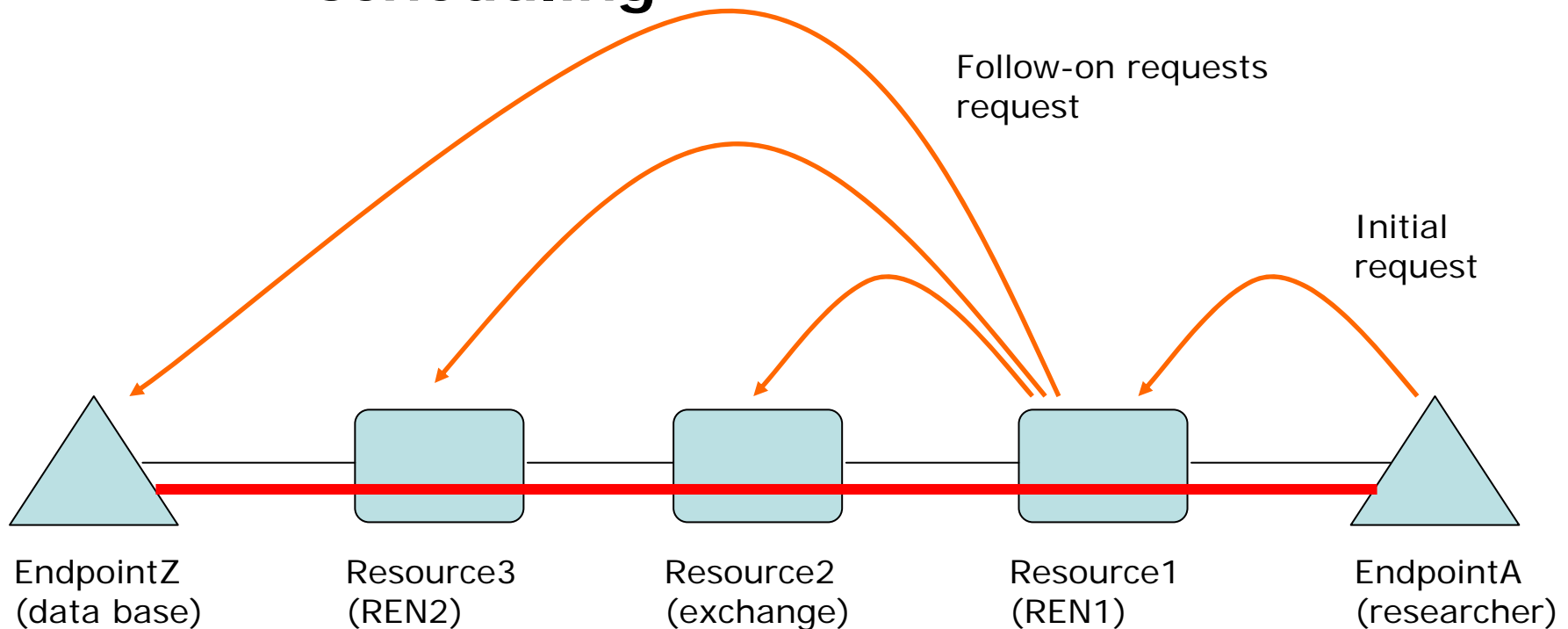
Resource repository approaches/solutions

Three possible ways forward:

- RDF approach (UvA)

- Database and mapping approach (GLORIAD)

- DNS and mapping approach (IU)

GLIF Open Lightpath Exchange (GOLE) coordination

- Monthly call for all GOLEs
- Rotating scheme in time
- Chair & Secretary (TERENA)
- Mailing list
- First call October, with Christian Todorov (Internet2) as chair

Fault Management and Resource scheduling

Follow-on requests
request

Initial
request

EndpointZ
(data base)

Resource3
(REN2)

Resource2
(exchange)

Resource1
(REN1)

EndpointA
(researcher)

- Treat both important topics, with similarities, seperate

Developments in Transcontinental Ethernet

Excellent tutorial by John Graham of ULCC on:

- VCAT
- LCAS
- GFP-F (Frame mapped)

Wrap up

- BCP delayed, but for sure still on, new strategy
- Next meeting
- Thanks to:
  - My co-chair Rene Hatem of CANARIE
  - Secretary Kevin Meynell of TERENA
  - All presenters
  - All participants