

**WELCOME TO GLIF  
Technical Working Group  
Winter 2012 meeting**



**Baton Rouge, 25-26 January 2012**

# You Are Here

- Co-located with Winter 2012 Joint Techs
  - Thanks to many, especially Internet2 and Esnet
  - Thanks to all of you for participating
- Meetings:
  - End of summer (lambda workshop)
  - Winters (Tech only)
- GLIF Tech has “Task Forces”
  - GLIF Tech is the F2F gathering of task forces
- GLIF Tech coordinates demos from participants



# Admin

- Your co-chairs:
  - Lars Fischer (NORDUnet)
  - Gigi Karmous-Edwards (NCSU)
    - stepping down since Rio meeting
- Secretarial support:
  - Kevin Meynell (TERENA)
  - Peter Szegedi (TERENA)
- Mailing list:
  - < tech at glif . is >



## Co-Chairs

- Gigi was co-chair since merger of GLIF Tech and Ctrl working group
  - But stepped down in Rio
  - Currently only one co-chair
- New co-chair candidate not quite ready to step up
  - Your lone co-chair recommend we wait a few months for an announcement



# GLIF Tech taskforces

- Distributed Topology Exchange
  - Chair: Jeroen van der Ham
- Dynamic GOLE Services
  - Chair: Jerry Sobieski
- Performance Verification Architectures
  - Co-chairs: Steve Wolf, Jerry Sobieski
- Defining GLIF Architecture
  - Co-chairs: Bill St. Arnaud, Inder Monga, Erik-Jan Bos
- NSI Implementation
  - Chair: Inder Monga



# Retired Taskforces

- GNI-API (Evangelos Chaniotakis)
- Campus Networking Task Force (Ronald van der Pol)
- Next Gen GOLE Architecture (Eric Bernier)
  
- Thank You!
- <http://www.glif.is/working-groups/tech/>



# GLIF Resources

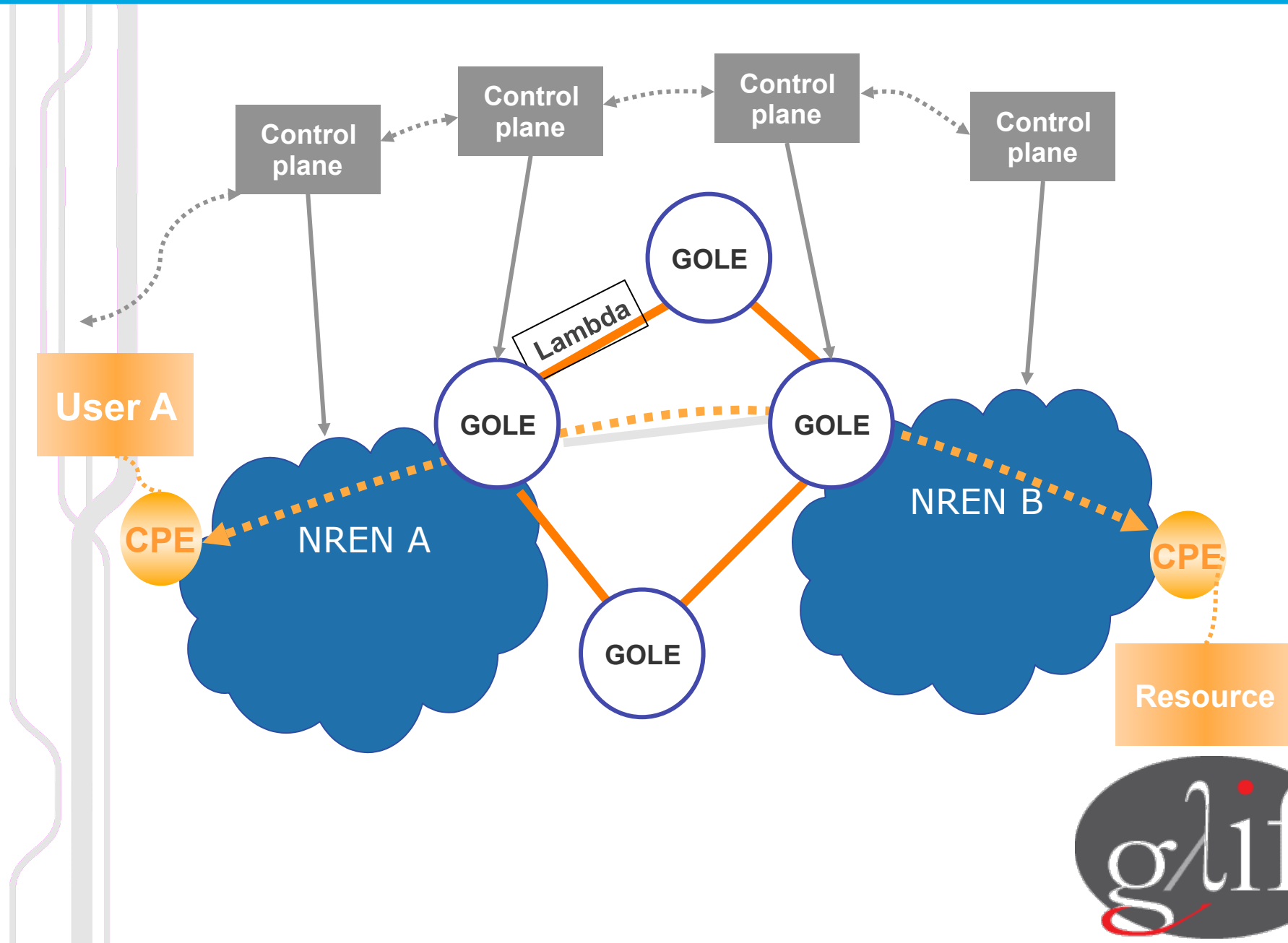
## GLIF Infrastructures

- **Lambdas shared by GLIF participants**
- **GOLEs (GLIF Open Lightpath Exchanges)**
- **And of course: Hybrid, lightpath capable networks run by the GLIF Participants**

**AMPATH - Miami**  
**CERNLight - Geneva**  
**CzechLight - Prague**  
**HKOEP - Hong Kong**  
**KRLight - Daejoen**  
**MAN LAN - New York**  
**MoscowLight - Moscow**  
**NetherLight - Amsterdam**  
**NGIX-East - Washington D.C.**  
**NorthernLight - Copenhagen**  
**Pacific Wave - Los Angeles**  
**Pacific Wave - Seattle**  
**Pacific Wave - Sunnyvale**  
**SouthernLight - São Paulo**  
**StarLight - Chicago**  
**T-LEX - Tokyo**  
**TaiwanLight - Taipei**  
**UKLight - London**



# GOLE-centric networking





# The NREN towards 2020

NORDUnet focus towards 2020

## 1 The NREN as a Global Network Service Provider

Federation • Open Exchanges • Virtualization • Mobility • Regional Collaboration • Cross Border Fibre.

## 2 The NREN as a Community Service Provider

Global identity management • e-Campus services • VCONF & Web based collaboration tools • Network attached media distribution • Cloud Services • Social networking

## 3 The NREN as the e-Science enabler

Enable, Educate & Evangelize the e-Science Plug.

## 4 The NREN as the e-Education enabler

Enable, Educate & Evangelize the e-Education Plug.

## 5 The NREN' s as an Innovative Framework Provider

Provide and incubation environment that foster innovation of new ideas through removing any technology barrier.



# The Vision of GEG



- “GÉANT 2020” is the European communications commons
- Where talent anywhere is able to collaborate with their peers around the world and
- To have instantaneous and unlimited access to any resource for knowledge creation, innovation and learning,
- Unconstrained by the barriers of the pre-digital world.



# Day 1

Time	Subject
13.30 - 13.45	Welcome, agenda overview - Lars Fischer (NORDUnet)
13.45 - 13.50	Tech WG administration, announcements - Lars Fischer (NORDUnet)
13.50 - 14.20	Update on Open Exchanges Paper - Erik-Jan Bos (NORDUnet)
14.20 - 14.50	Link policy problem statement - Lars Fischer (NORDUnet)
14.50 - 15.00	Organising "Lightpath Services Workshop for Campuses" - Peter Szegedi (TERENA)
15.00 - 15.30	<b>Coffee Break</b>
15.30 - 16.00	Experiences in deploying the high-end visualization application in the transatlantic GLIF environment - Marek Blazewicz (PSNC)
16.00 - 16.20	GLORIAD and GulfLight (JJ Jamison, Juniper)
16.20 - 16.50	LHC Open Network Environment (LHCONE) - Artur Barczyk (USLHCNet)
16.50 - 17.00	Wrap up



# Day 2

Time	Subject
07.30 - 08.30	<b>Breakfast - Lower Concourse Area</b>
08.30 - 09.20	Dynamic GOLE Services Task Force update - Jerry Sobieski (NORDUnet)
09.20 - 10.00	Distributed Topology Exchange Task Force update - Jeroen van der Ham (UvA)
10.00 - 10.30	<b>Coffee Break</b>
10.30 - 11.15	NSI Implementation Task Force kick-off - Inder Monga (ESnet), John Macauley (SURFnet)
11.15 - 12.00	GLIF Performance Verification Architectures Task Force charter - Jerry Sobieski (NORDUnet), Steve Wolff (Internet2)
12.00 - 13.30	<b>Lunch - Lower Concourse Area</b>
13.30 - 14.00	Defining GLIF Architecture Task Force kick-off - Bill St.Arnoud, Erik-Jan Bos (NORDUnet), Inder Monga (ESnet)
14.00 - 14.50	Open discussion
14.50 - 15.00	Closing, actions, next meeting - Lars Fischer (NORDUnet)



# Next GLIF TECH meeting

- 12<sup>th</sup> Global Lambda Grid Workshop
  - Chicago, 11-12 October 2012
  - Full GLIF meeting, incl. TECH WG sessions
- Held in conjunction with
  - 8<sup>th</sup> IEEE International eScience Conference
  - OGF36





# **Thank You**

**Lars Fischer**

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**<http://www.nordu.net>**