



WELCOME!

**Technical Working Group Meeting
Winter 2009**

“Tech WG”

Catania, Italy – March 5, 2009



Where are we?

- Winter 2009 meeting, colocated with OGF/EGEE (a big thanks!)
- Exciting progress in lambda networking
- Meetings:
 - End of summer (lambda workshop)
 - Winters (interim Tech)
- GLIF Tech has “Task Forces”



Intro

- Your co-chairs:
 - Gigi Karmous-Edwards (MCNC)
 - Erik-Jan Bos (SURFnet)
- Secretarial support:
 - Peter Szegedi (TERENA)
 - Kevin Meynell (TERENA)
- Mailing list:
 - < tech @ glif . is >



Task Forces as of Honolulu

- Global Lightpath IDs: Ronald van der Pol (Leader), Lars Fischer, Tom Lehman and Thomas Tam
- perfSONAR Demonstration (for GLIF Workshop in Seattle): Thomas Tam (Leader), Lars Fischer, Ronald van der Pol, Dongkyun Kim, Heather Boyles
- GOLE SLA issues (including ticketing): Walter



Task Forces added since

- GNI API
- VLAN scheme
- Dynamic GOLE

- All on agenda for today...



High level agenda

March 5, 2009

09:00 - 09:30 Introduction and GLIF working group overview, Erik-Jan Bos (SURFnet)

09:30 - 10:30 Global Identifiers Task Force, Ronald van der Pol (SARA)

10:30 - 11:00 Coffee break

11:00 - 12:30 GNI API Task Force, Evangelos Chaniotakis (ESnet)

12:30 - 14:00 Lunch

14:00 - 14:30 GNI API Task Force - Security Issues Mathieu Lemay (Inrocybe)



What is GLIF?

- GLIF is an international virtual organisation that promotes the paradigm of lambda networking
- The activities of GLIF are two-fold:
 - GLIF participants jointly make lambdas available as an integrated global facility for use in data-intensive research
 - GLIF brings together leading networking engineers worldwide, who collaborate to bring the technology forward and pioneer new applications



GLIF participants

- GLIF is open to any organisation that shares the GLIF vision and is willing and able to make resources (e.g., equipment and lambdas) available on an agreed basis when they are not required for its own needs.
- GLIF is also open to organisations whose experts contribute actively to the technical work in the GLIF working groups.



Currently almost 50 GLIF participants

- AARNet
- AMPATH
- ANL/MCS
- Calit2
- CANARIE
- CENIC
- CERN
- CERNET
- CESNET
- CPqD
- DFN
- FAST
- Fermilab
- GLORIAD
- HEAnet
- i2CAT
- iCAIR
- IEEAF
- Indiana Univ.
- Internet2
- JGN-II
- JANET(UK)
- KRLight
- MIT
- MCNC
- MAX
- NLR
- Northwestern
- NSF
- NetherLight
- NORDUnet
- Nortel
- PNWGP
- RNP
- SARA
- StarLight
- SURA
- TeraGrid
- TERENA
- TransLight
- TWAREN
- Univ. Amsterdam
- UCL
- UIC
- WIDE
- Univ. Maryland
- Univ. Washington
- UltraLight



New participant?

- Send your logo to the GLIF Secretariat at TERENA

GLIF sponsors

- GLIF secretariat is provided by TERENA and funded by voluntary contributions from GLIF sponsors





GLIF resources

GLIF infrastructure:

- lamdas shared by GLIF participants
- GOLEs (GLIF Open Lightpath Exchanges)

Current GOLEs:

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



GLIF working groups

- **WG Tech**

Erik-Jan Bos and Gigi Karmous-Edwards

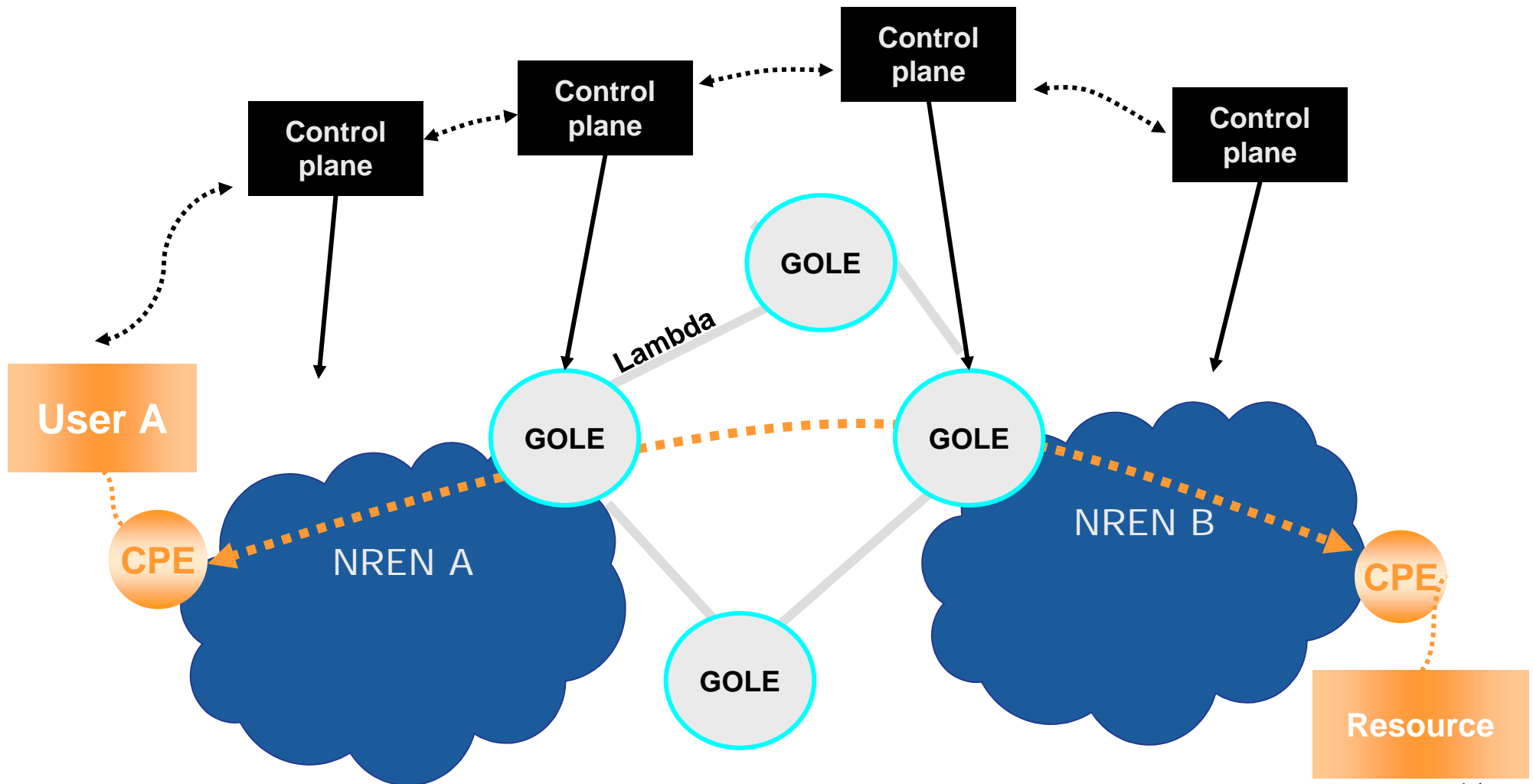
- **WG Research & Applications**

Maxine Brown and Larry Smarr

- **WG Governance**

Kees Neggers

The GLIF approach to lambda networking



GLIF Map

