

# **Spring GLIF Tech 2015 Wrap-Up**



**Atlanta, 20 March 2014**

- Global Lambda Integrated Facility
  - It's not a network
  - It's not really a facility
  - It's all about ideas, sharing, and participation
  - It's about personal networking
  - It's about having consensus on an architecture for research networking
  - It's about enabling important things to happen



# GOLE Operators TF

- New requirements for GOLEs
  - Defining future GOLE architecture
  - Key element in future Global Network Architecture
  - Strong need for community engagement in defining requirements, architecture, and technologies
- Actions
  - Monthly calls, community participation
  - Whitepapers – use cases, services, high-level architectures



# NSI Implementation TF

- Support for NSI operators and coders
  - Active mailing list
  - Debugging
  - Isolating faults
  - Guidance
  - Sharing experience
- Actions
  - Document lessons learned
  - Plan for cookbooks, best practice documents



# AutoGOLE TF

- Work Items
  - Monitoring System / Fault Finding / Operations support
  - Supporting LHC sites
  - More redundant control plane
- AutoGOLE cookbook
  - Draft for review
- AutoGOLE dashboard
  - Requirements Document for review
- PhEDEx NSI integration



# Multi-domain SDN TF

- Internet2 SDN experience
  - SDN core
  - SDX experiments and SDX definition
  - Multi-domain SDX demonstration
- Relations between SDN, SDX, and testbeds
  - Will people use testbeds?
  - What's the objective of testbeds? Trial for operation of facilitate network research?
  - Testbed interoperation
- Role of GLIF in facilitating SDN testbeds, SDN inter-operation?



# SDX

- Range of developments
  - It's all about programmability, application control
  - GENI SDX
  - It's all about segmentation
  - Individual SDX's with global connectivity
  - Network providers
  - Impact on future GOLEs?
- Actions?
  - Too early for TF
  - Facilitate presentation and discussions at future GLIF meetings – SDX sessions
  - Organize conf-calls / mailing list for those working on SDX issues



# Performance Verification TF

- GLIF position paper on PVA
  - Input for GTS, GNA, FIRE / GENI
  - Possibly work with GN4 PVA activity
  - Who to drive? Or let it wait
- Provide input for ongoing PerfSONAR requirement gathering effort
  - Identify things that we can't do today that we need
- Hands-on activities
  - Deployment guide for PerfSONAR nodes on GOLEs?





# Farewell

- Thanks to GENI & GEC22 for hosting us
- Thanks to all of you for being active contributors
- See you next time
  - Prague, Czech Republic
  - 28 – 30 September 2015

