

A “New” NLR September 2011

Joe Mambretti (on behalf of Peter O’Neil)



**To serve as the strategic network
resource for advanced research
and education**



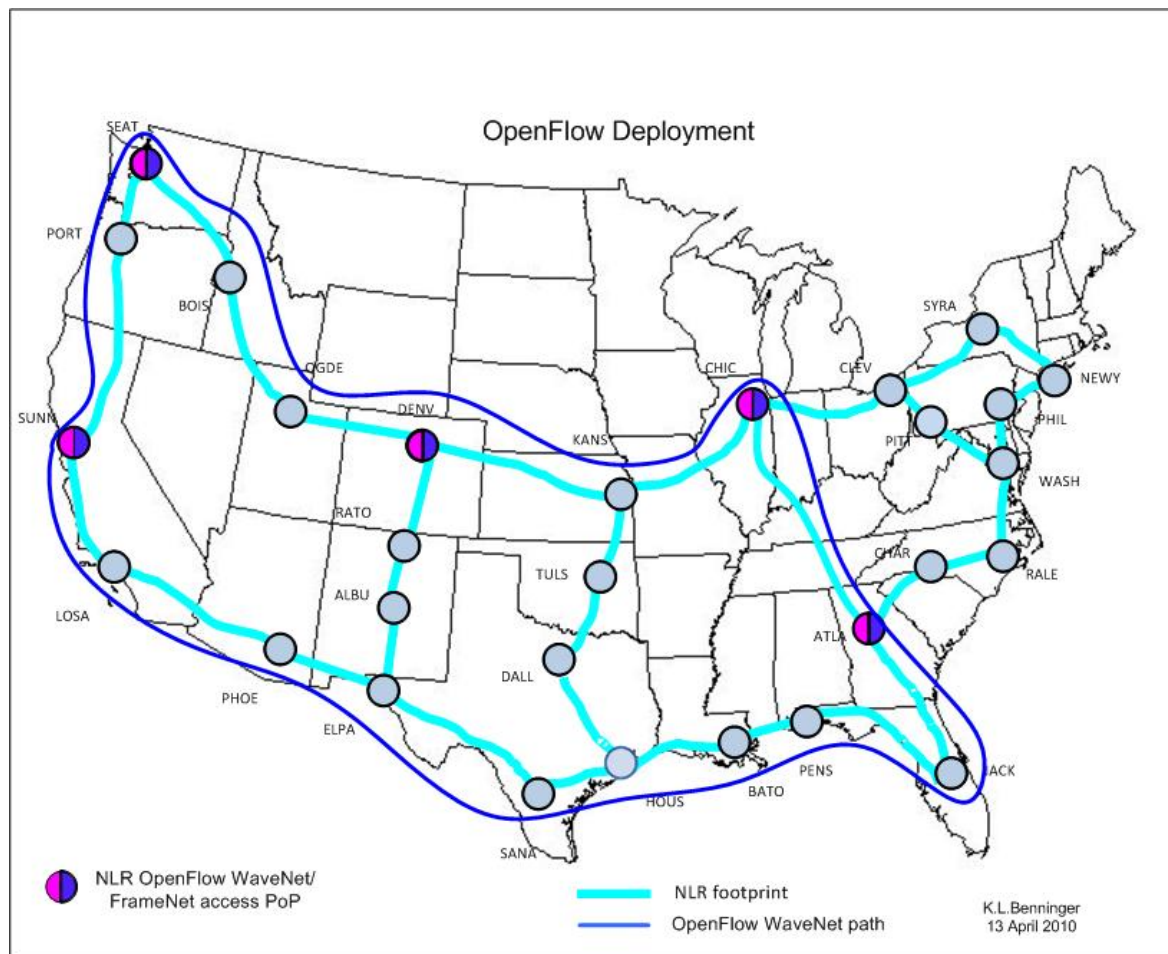
- Fiber network founded by the R&E community with strong connections to the Regional Optical Networks
- Chan Soon-Shiong (CSS) Institute and the National Coalition for Health Integration (NHCI) bring funding for financial stability & upgrade capabilities
- Adding genomic and proteomic capabilities - sequencing centers, storage, and supercomputing to transform healthcare
- Infrastructure refresh underway for 40 Gb/s and 100Gb/s
- Service offerings at Layers 1, 2 & 3
- Strategic support relationship with Cisco
- Engaged and diligent staff
- High network availability and reliability



NLR MAP

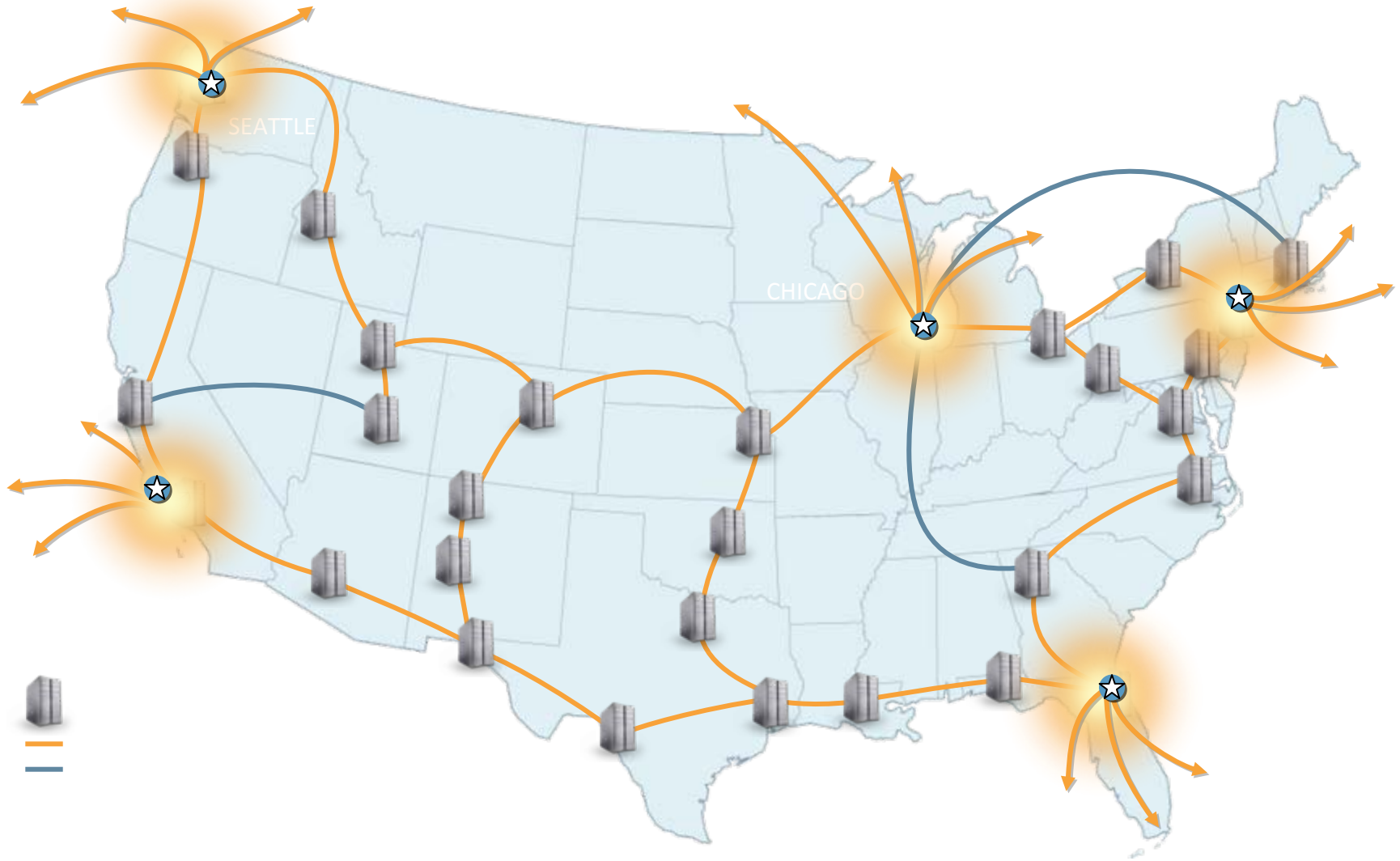


NLR OpenFlow deployment path and PoPs





International Peering at 5 Exchanges



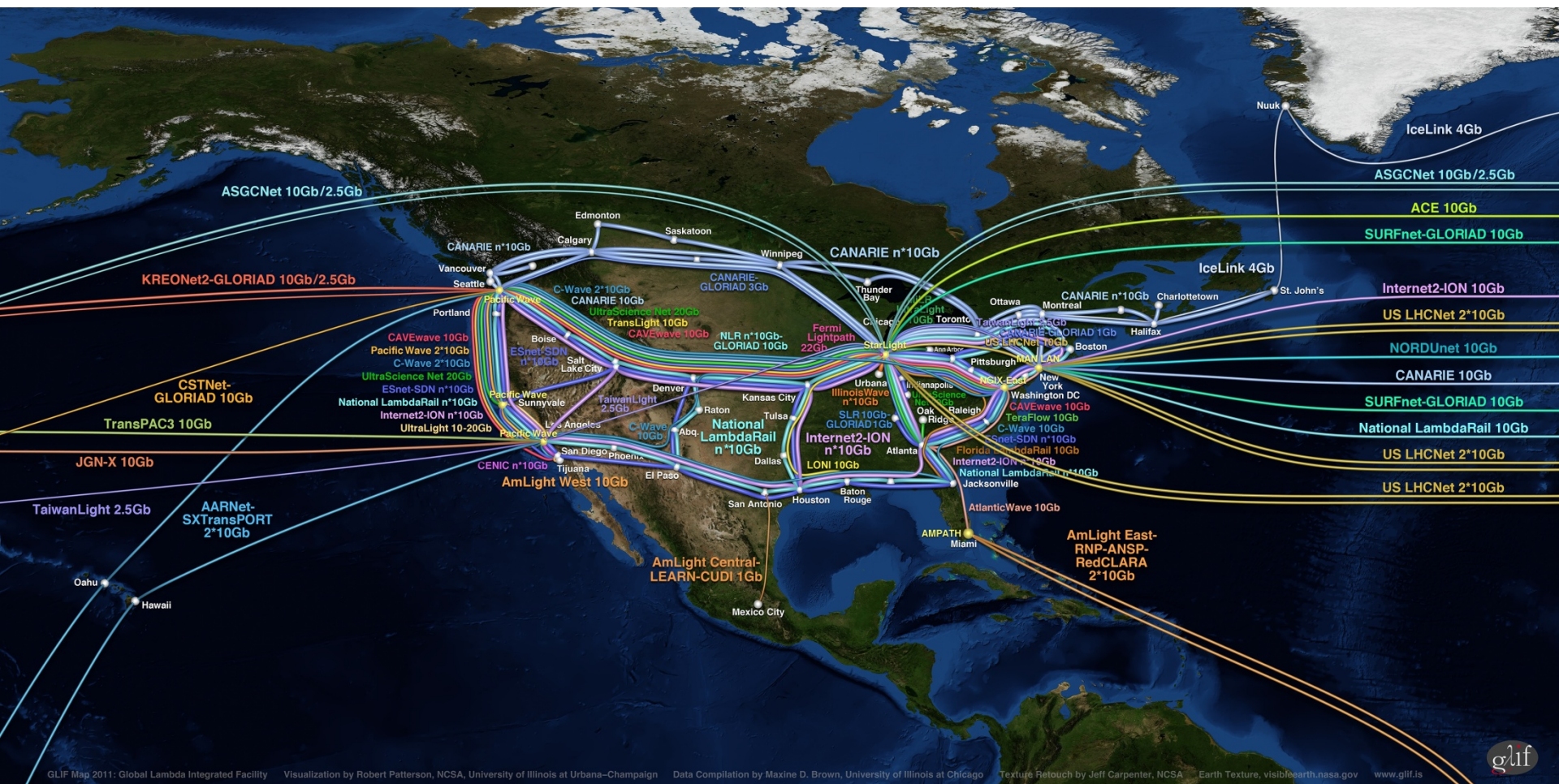


- Established connections to GLIF will persist
- Continued support at all US GLIF GOLES
- 10Gb trans-Atlantic circuit between New York and the NetherLight exchange in Amsterdam

< stay tuned for more updates on the new NLR >



NLR and GLIF



GLIF Map 2011: Global Lambda Integrated Facility Visualization by Robert Patterson, NCSA, University of Illinois at Urbana-Champaign Data Compilation by Maxine D. Brown, University of Illinois at Chicago Texture Retouch by Jeff Carpenter, NCSA Earth Texture, visibleearth.nasa.gov www.glif.is

The Network for Advanced Research and Innovation

Many Thanks to Joe

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