

# LARIAT Goal: Fix the Problem of the Western BRIN Sites & Researchers' Opportunities being over-constrained by Wide-Area-Network Bottlenecks



U. Alaska




U. of Idaho

Montana State U.

U. Wyoming

U. Nevada  
Reno

NMSU

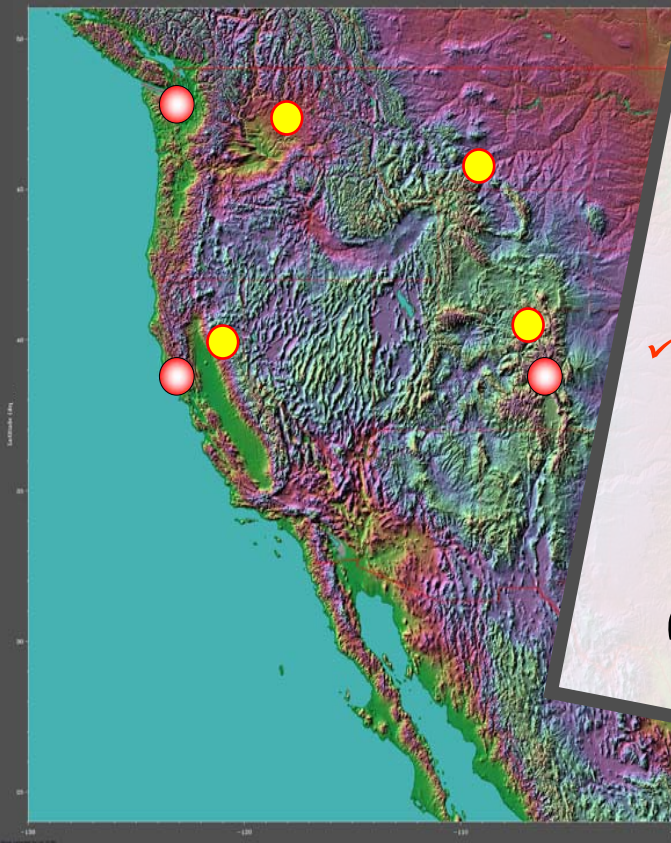
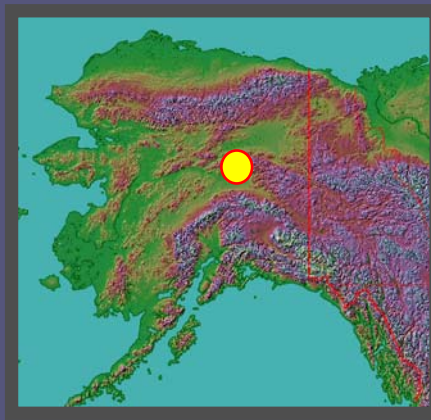


U. Hawaii

While facing an exceptionally challenging Geographical & Infrastructure Digital Divide

**LARIAT Approach** = Team with the appropriate national net. gigapop node (which, for compelling reasons, is where these BRIN etc. sites are already connected & teaming).

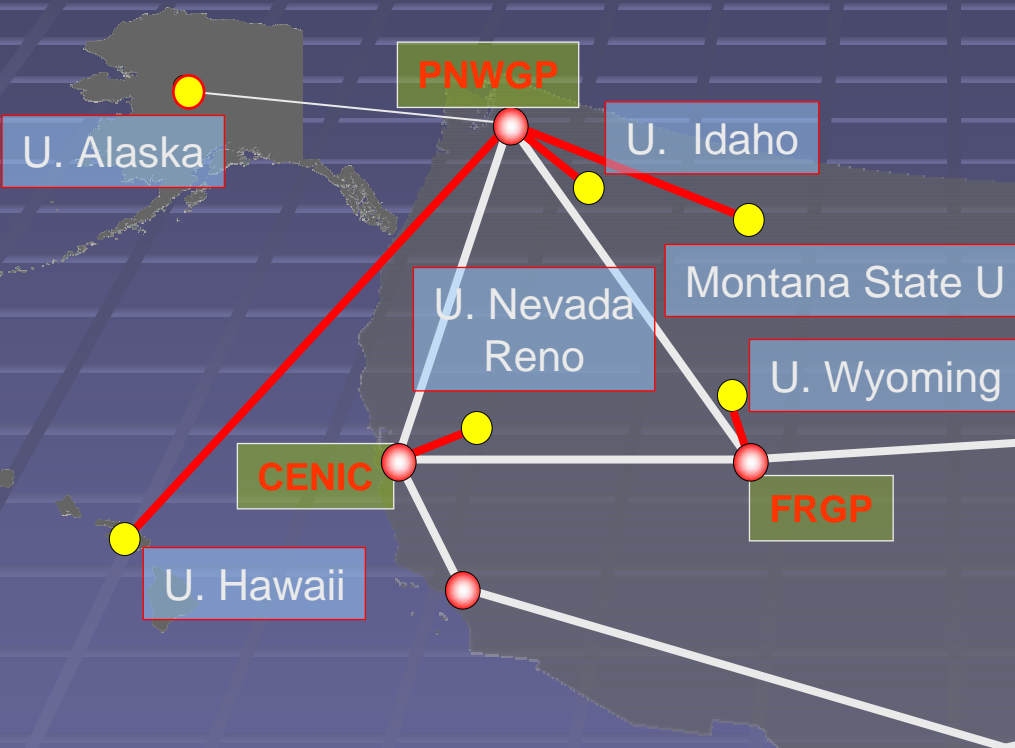
And leverage opportunities catalyzed by NLR, Fiberco, USAwaves



- ✓ U. Wyoming with *Front Range Gigapop (FRGP)* in Denver
- ✓ U. Nevada-Reno with *CENIC* in N. Cal. hub
- ✓ U. Hawaii, U. Alaska, U. Idaho and Montana State U. with *Pacific Northwest Gigapop (PNWGP)* in Seattle



# LARIAT: Better Connecting Researchers to Research Opportunities via Gigapops on National Research and Education Networks



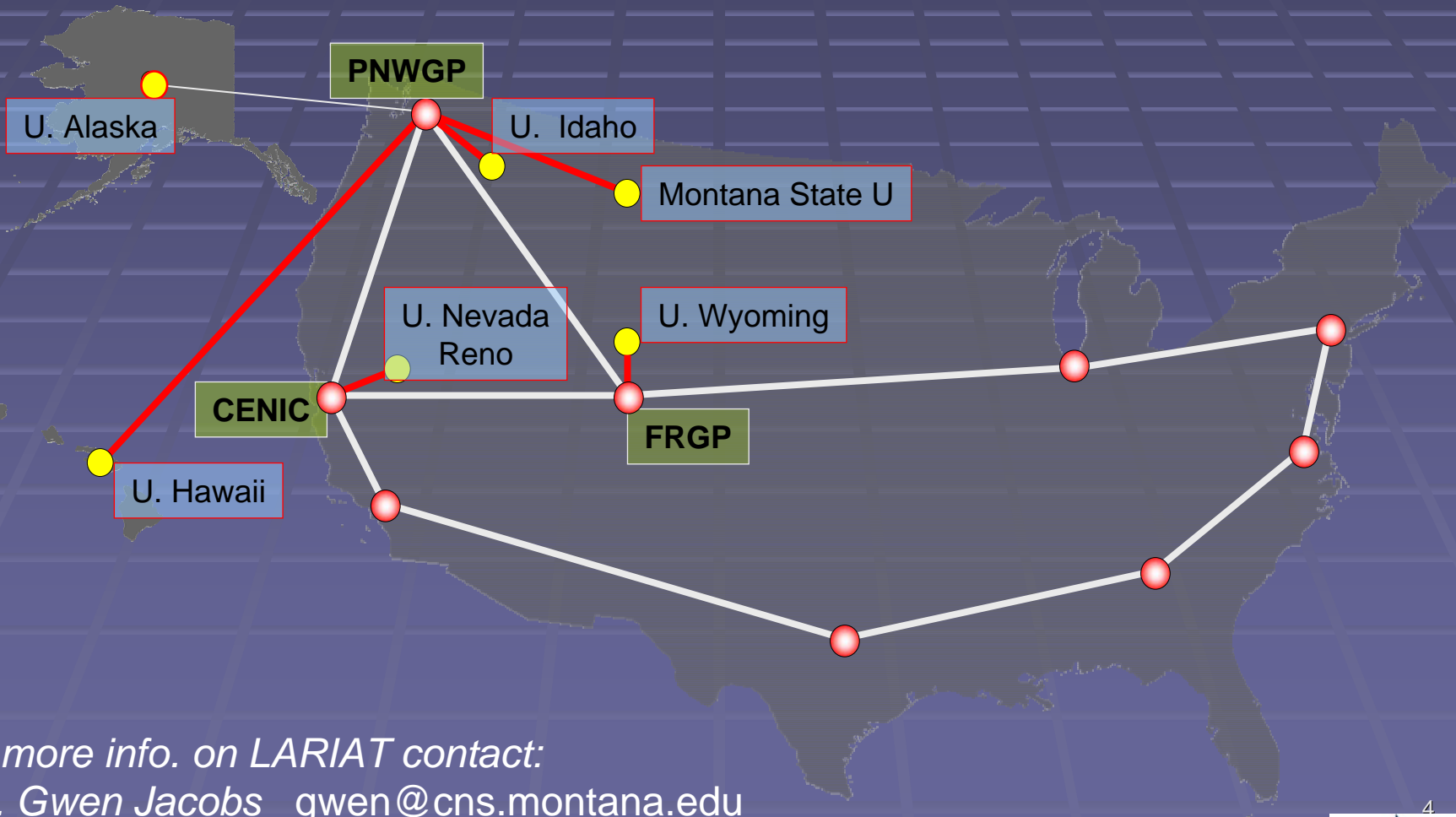
- ✓ Wyoming: buy+light fiber to FRGP
- ✓ MSU: oc48 wave IRU to PNWGP
- ✓ Nevada-Reno: light Nevada owned fiber to CENIC
- ✓ Idaho: oc48 wave IRU to PNWGP
- ✓ Alaska: upgrade intrastate network to remove bottlenecks
- ✓ Hawaii: buy+light fiber to connect SX oc192 to U. Hawaii and to PNWGP

For more info. on LARIAT contact:

Dr. Gwen Jacobs gwen@cns.montana.edu  
Ron Johnson ronj@cac.washington.edu



# Improve the Connectivity of the BRIN Researchers to the Broader National and Global R&E Network Fabric



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Dr. Gwen Jacobs [gwen@cns.montana.edu](mailto:gwen@cns.montana.edu)

Ron Johnson [ronj@cac.washington.edu](mailto:ronj@cac.washington.edu)