



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

September 23 – 25, 2019 | Minneapolis, MN

Quad Chart for: *Integrating the Colorado Western Slope Research and Education (R&E) Community into the National R&E Infrastructure*

Challenge Project Seeks to Address:

- Western Colorado's mountains and geography exacerbate the digital divide for research and education in rural areas
- Students & faculty have inadequate network access to R&E tools and resources
- Commercial providers lack a business case to justify fiber builds to these communities
- Available fiber is cost-prohibitive

Deliverables:

- Design the BiSON-West network to expand FRGP network and expertise to the western slope
- Collaborate with colleges, communities, state and regional entities to establish redundant, high-speed network connectivity
- Create a sustainable model to perpetuate equitable access to these underserved communities
- Partner and collaborate with CDOT, CenturyLink, WAPA, Region10

Continental Divide Independence Pass - Colorado



Broader Impact:

- Enable research and discovery for underserved communities
- Deliver a network poised to support leading edge, interactive STEM education modalities to students in remote, rural, underserved areas
- Engage diverse, underserved, and non-traditional students
- Facilitate rural colleges and universities to accelerate and expand their educational mission
- Enhance economic and workforce development and job opportunities
- Build inter-regional partnerships and collaboration
- Expand state, federal, commercial relationships

Metadata tag:

<https://sites.google.com/ucar.edu/bison-west-nets/nets-projects/bison-west-planning-grant>





<https://sites.google.com/navajotech.edu/navajotech-cc/>



2019 NSF Campus Cyberinfrastructure and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

September 24 – 25, 2019; University of Minnesota, Minneapolis, MN

Quad Chart for:

Women in IT Networking at SC (WINS)

Challenges:

- Scaling - how many women can SCinet support - new and returning (14 total to date)
- How many women can the WINS Management team support, e.g. travel, logistics, report-outs
- Funding: report outs, international participants, alternative funding (non-NSF), workforce grants, SC, scholarships
- Sustainability of the program
- “Fairness” to other staff gender and diversity

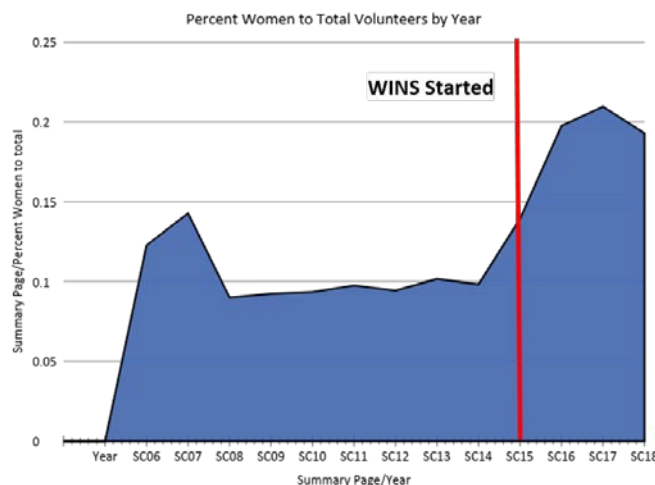
Deliverables:

- Have funded 31 women to participate in SCinet as first time WINS awardees
- Have partially funded 23 returning WINS
- Have provided 25 reports outs to diverse communities (2 scheduled)
- Have successfully partnered with Internet2 Inclusivity Initiative and SC diversity efforts
- Grant supplement for sustainability plan



Broader Impact:

- Measurable increase in women in SCinet
- Professional development
- Build professional network
- Raise awareness throughout broad community
- Create a more diverse pipeline for SCinet volunteers while raising overall visibility of the SC volunteer opportunity
- Regional diversity programs developing
- WINS awardees now leaders in SCinet and other community efforts



Metadata tag:

- <http://www.women-in-networking.net/>



WINS
Women in IT Networking at SC