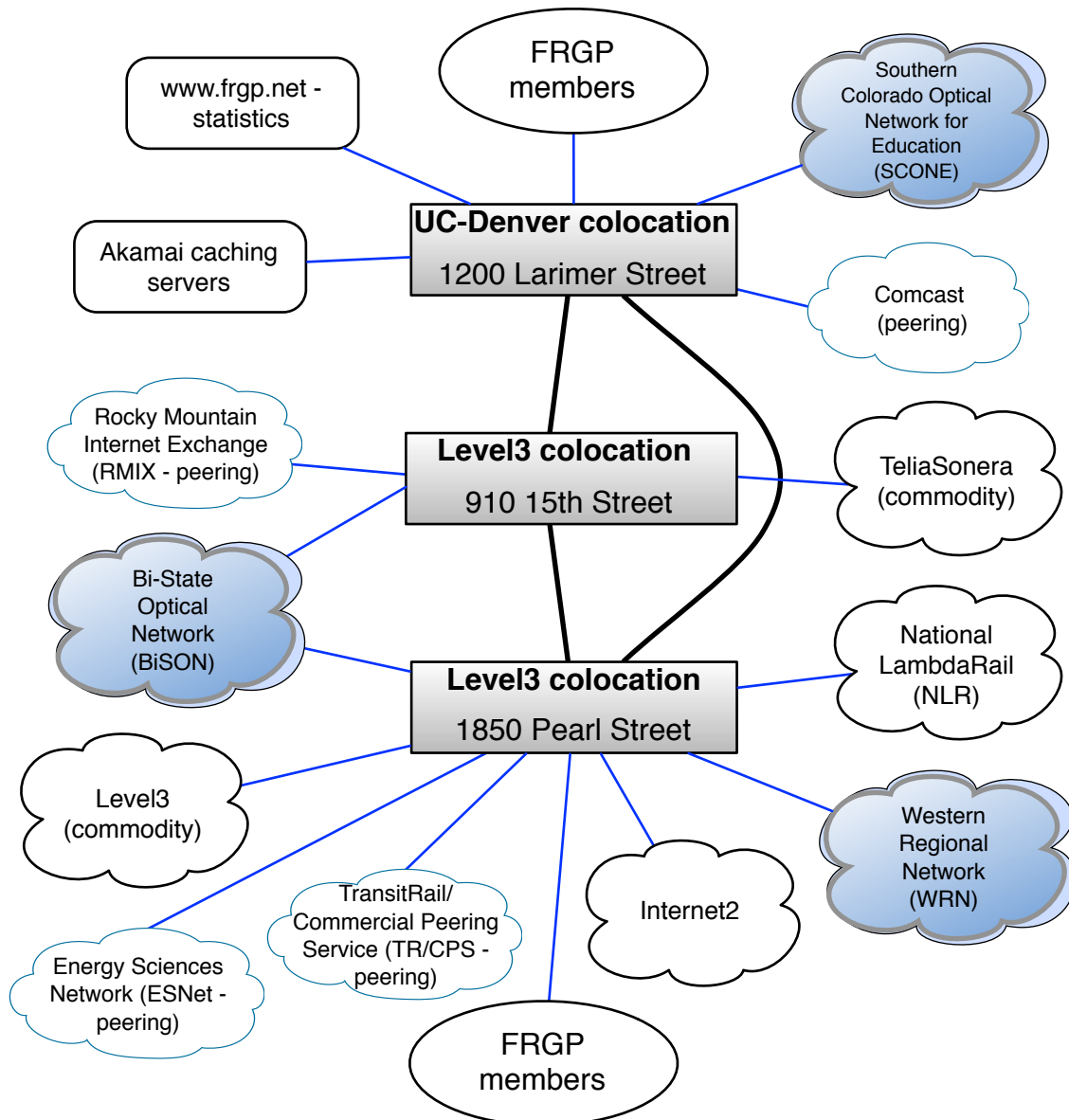




The FRGP's mission is to:
enable advanced education,
support experimental and production networks,
foster networking and application research,
promote next-generation applications, and
facilitate interconnectivity among high-performance
research and education networks.



For over 10 years, the FRGP has advanced the research and educational goals of government, non-profit, and educational members and other institutions in the region by establishing and maintaining a unique multi-state network infrastructure that is owned and controlled by the FRGP member research and education community. The University Corporation for Atmospheric Research (UCAR) provides the management, engineering, and network operations center support for the FRGP.

Front Range GigaPoP (FRGP)

The FRGP is a consortium of Universities, non-profit corporations, government agencies, and secondary members (such as the UCAR Point of Presence) behind primary FRGP members who cooperate as part of a Regional Optical Network (RON) in order to share wide area networking services including the commodity Internet, Internet2, National Lambda Rail (NLR), and peering connectivity.

RON members typically enjoy reduced costs, shared expertise, shared services, increased buying power, and economies of scale. One of the main benefits the FRGP provides is aggregated and direct intra-member network access. This includes access to all members, secondary connections behind primary FRGP members, as well as direct peering connections including Comcast, the Rocky Mountain Internet Exchange (RMIX), and the Energy Sciences network (ESnet).

The FRGP provides access to multiple commodity Internet providers. Traffic aggregation and FRGP membership in The Quilt, Inc. provide cost savings for commodity Internet services. FRGP also participates in the commercial network peering program known as TransitRail (TR) / Commercial Peering Service (CPS). TR/CPS is designed to improve network performance through peering relationships with commercial networks to help members reduce the overall cost of, and reliance on, commodity Internet transit services. Telepresence directory access is also provided by Internet2 and NLR.

The FRGP provides caching services as part of the Akamai installation at the FRGP. The FRGP also provides connectivity to the Internet2 network as part of Colorado's participation in the Internet2 Sponsored Education Group Participant (SEGP) program.

FRGP is a member of the Western Regional Network (WRN), a multi-state partnership providing robust, high-speed networking for research, education, and related uses through the sharing of network services among communities across the western United States. WRN provides cost savings by providing intra-region peering, efficient and cost-effective commodity Internet services, TR/CPS connections, and shared NLR and Internet2 services in addition to diverse backup connectivity options.

Front Range GigaPoP (FRGP)
<http://www.frgp.net>

University Corporation for Atmospheric Research
(UCAR)
<http://www.ucar.edu>

UCAR Point of Presence (UPoP)
<http://upop.ucar.edu>

National LambdaRail (NLR)
<http://www.nlr.net>

Internet2
<http://www.internet2.edu>

Sponsored Education Group Participant (SEGP)
<http://k20.internet2.edu/about/segp>

The Quilt, Inc.
<http://www.thequilt.net>

Western Regional Network (WRN)
<http://westernregional.net>