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CC-DNI DIBBs 2015-20

CSSI Element: Pacific Research Platform

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Note: this diagram represents a subset of sites and connections.

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The Pacific Research Platform Has Connected Science DMZs to Create an End-to-End Science-Driven Community Cyberinfrastructure

In 2015, The PRP got Letters of Commitment from:

- ***32 IT/Network Organization Leaders***
- ***50 Researchers from 15 Campuses***

PRP's Focus was set on data analysis in Particle physics, Astronomy and astrophysics, Biomedical, Earth science, and use of Scalable visualization, virtual reality, and machine learning

Now, In 2020, The PRP has partnered with

- ***24 campuses and supercomputer centers in 6 states,***
- ***Another 24 institutions in the US and 4 other countries***
- ***OSG and nascent NRP, GRP and *RP efforts***

PRPv1 (2015-2016) focused on getting GridFTP data transfer speeds >12GB/s by propagating ESnet's DTN/DMZ strategies

PRPv2 (2017-2020) built a Kubernetes-based data sharing community cyberinfrastructure with >2PB of storage, >4700 CPU cores, and >500 GPU boards on >100 hosts on 15 campuses

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