

HPDMnet

High Performance Digital Media Network

The High Performance Digital Media Network (HPDMnet)

A network research initiative that is designing, developing, and implementing the world's first international high performance service for high quality, large-scale digital media that is required by bandwidth intensive applications.

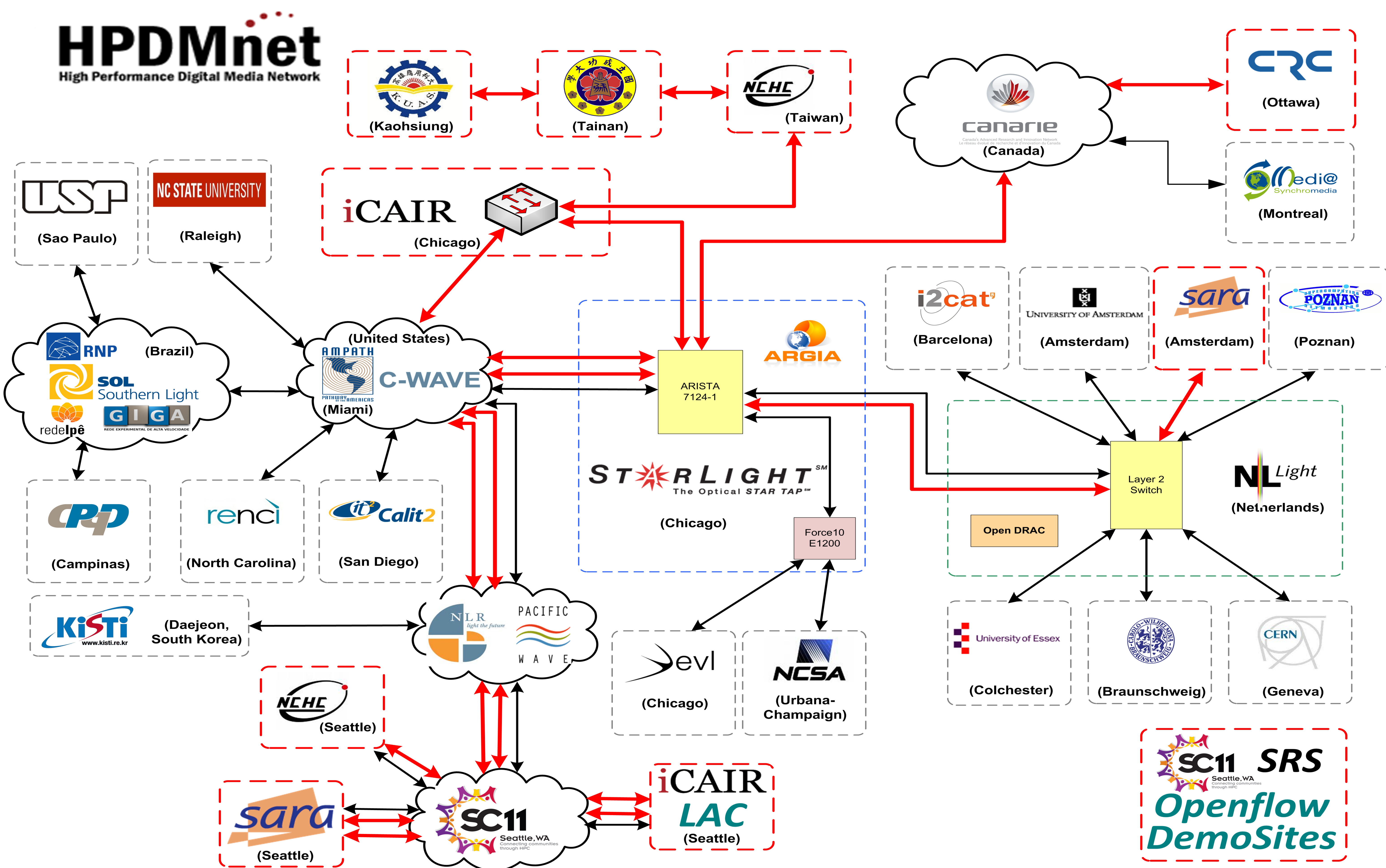
HPDMnet is related to a set of activities, including basic research and development, design and analysis of investigative experiments, the management of an international testbed, provision of prototype services, demonstrations at public national and international venues, and publication of information about activities.

Key Concept and Design Considerations

- Virtualization
- Close Integration of Services and Support Capabilities
- Infrastructure as a Service (IaaS)
- Programmable Networks
- Multi-Layer Services
- Multi-Domain Service Provisioning
- Experimental Testbed Investigations

HPDMnet International Experimental Research Testbed

The HPDMnet research testbed has multiple international sites within the GLIF (Global Lambda Integrated Facility) infrastructure in the Americas, Europe and Asia. The network is dynamically provisioned by Argia, Chronos and other control softwares.



Application Oriented Programmable Networking

SC11 OpenFlow SCiNET Research Sandbox

USER CONTROL AND MANAGEMENT OF PRIVATE NETWORKS

