

# HPDMnet

## High Performance Digital Media Network

### The High Performance Digital Media Network (HPDMnet)

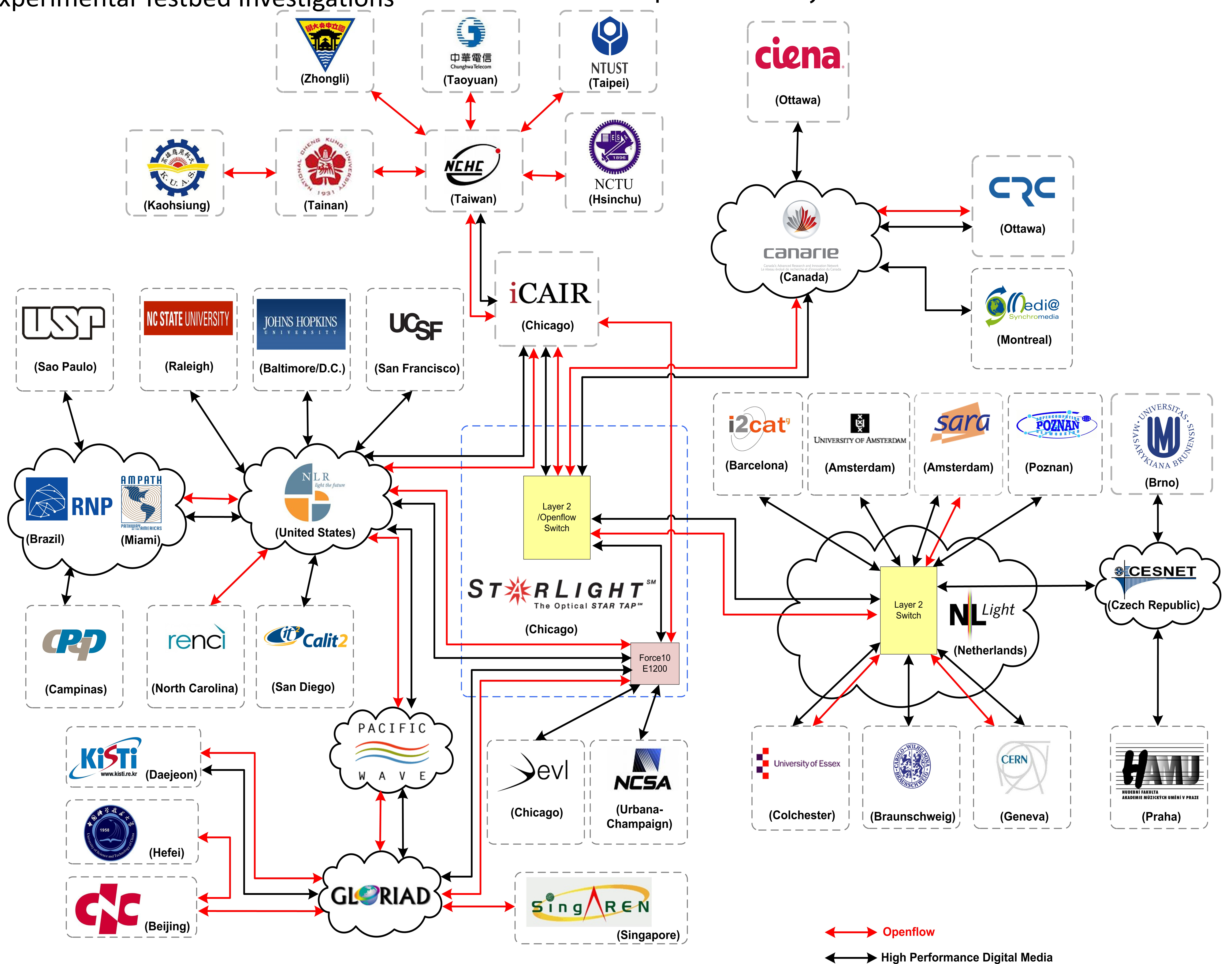
This network research initiative is designing, developing, and implementing the world's first international high performance service for high quality, large-scale digital media that is required by bandwidth intensive applications. HPDMnet is comprised of a set of activities, including basic research 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 different control softwares.



## SC13 Scinet Network Research Exhibition:

### International Network Research Testbed Federation Prototype

