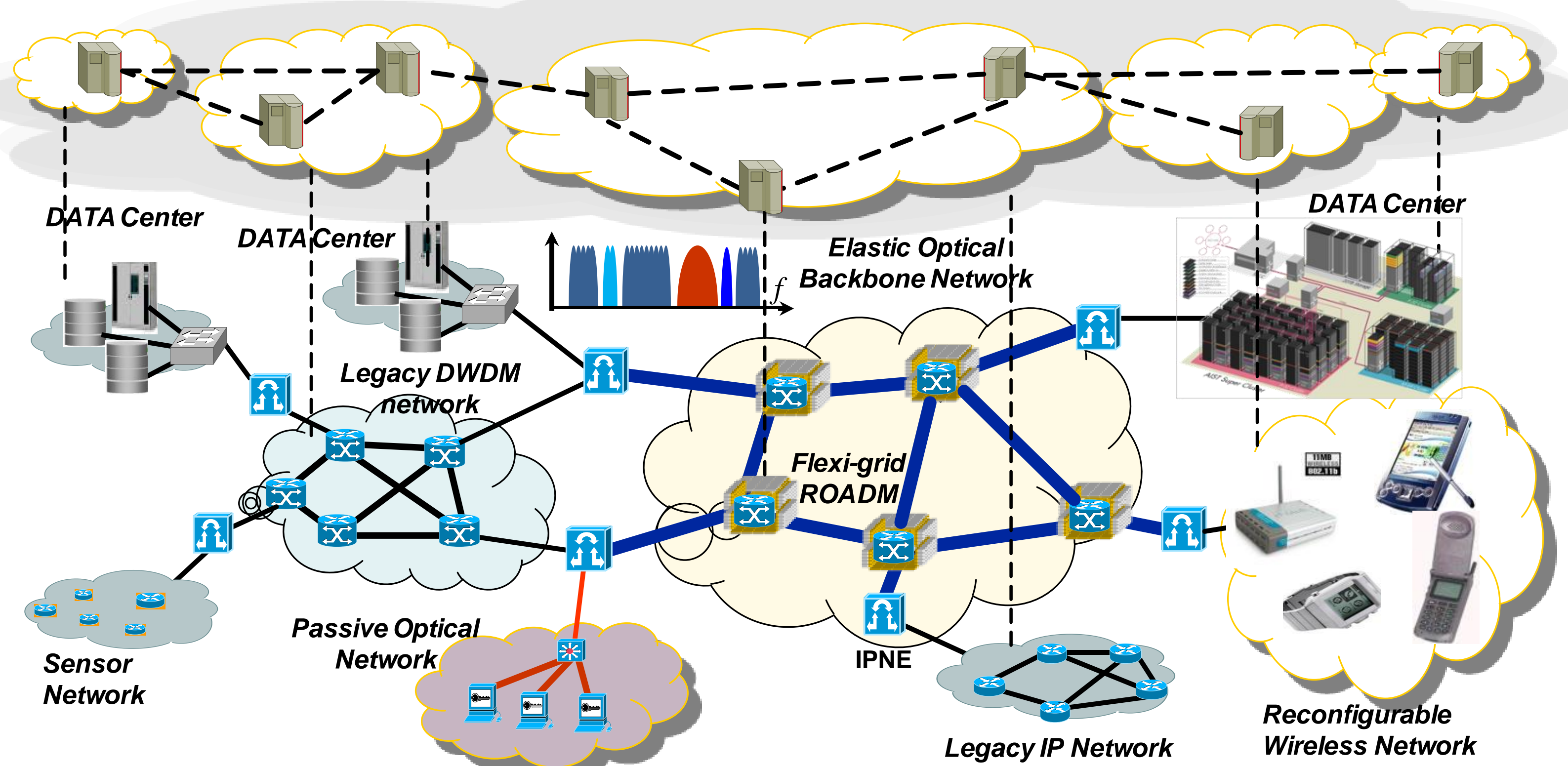


Abstract

This project pursues design, operation, and experimentations on multi-domain software-defined-networks. We demonstrate three demos, including application-aware big data demo, WiFi handover demo, and multi-domain UCD-COTN-ESNet demo.

Project Objectives

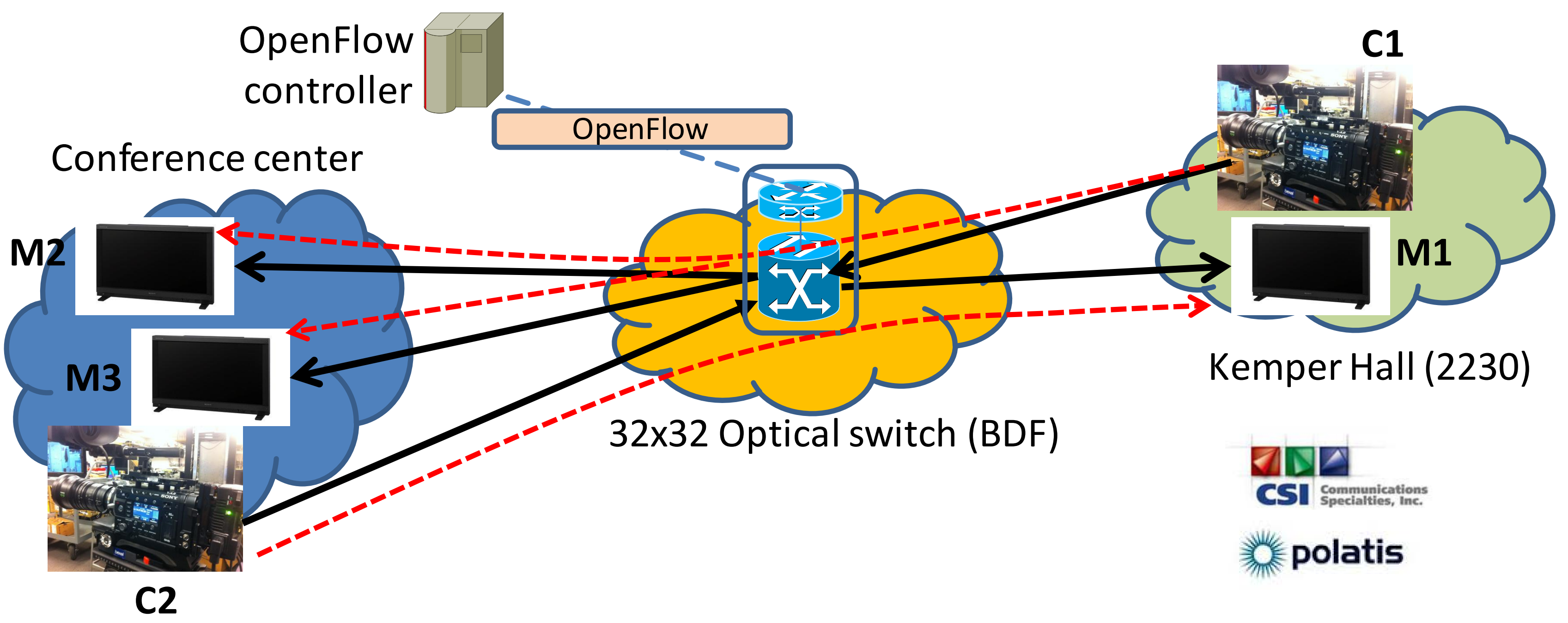
Cloud of Software Defined Network Control & Management Systems in multiple administrative domains



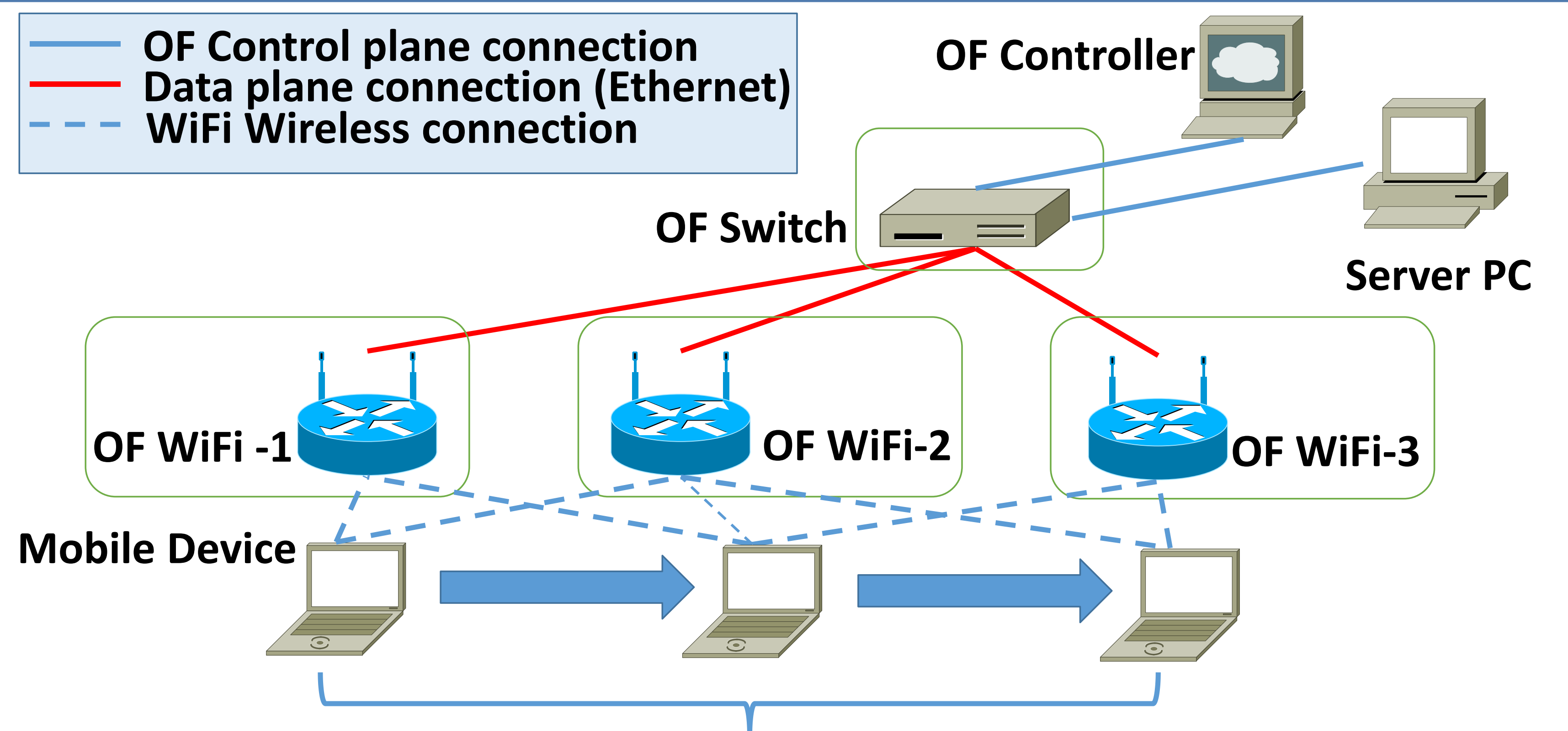
Multi-domain software-defined heterogeneous networking

- Conduct a number of key experiments testing a new cross-layer and multi-domain OpenFlow control and management mechanism across multiple GENI testbeds while paying special attentions to configurability, security, and monitoring

Application-aware Big Data Demo (Demo 1)

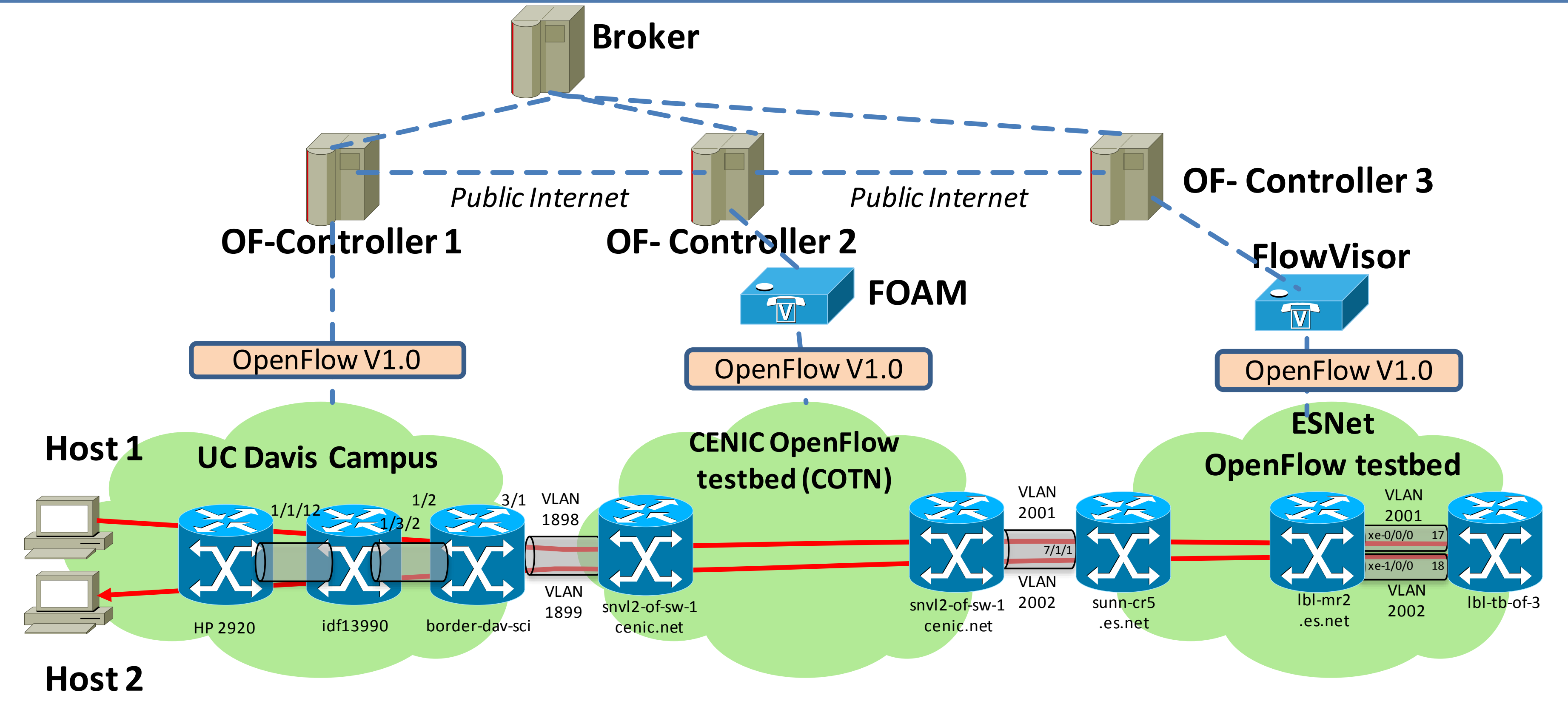


WiFi Handover Demo (Demo 2)



Seamless handover (no service interruption from Server PC to Mobile Device)

Multi-domain UCD-COTN-ESNet Demo (Demo 3)



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