



# Research & Education 2010

CVS, GLIF, and SC10 live demonstrations



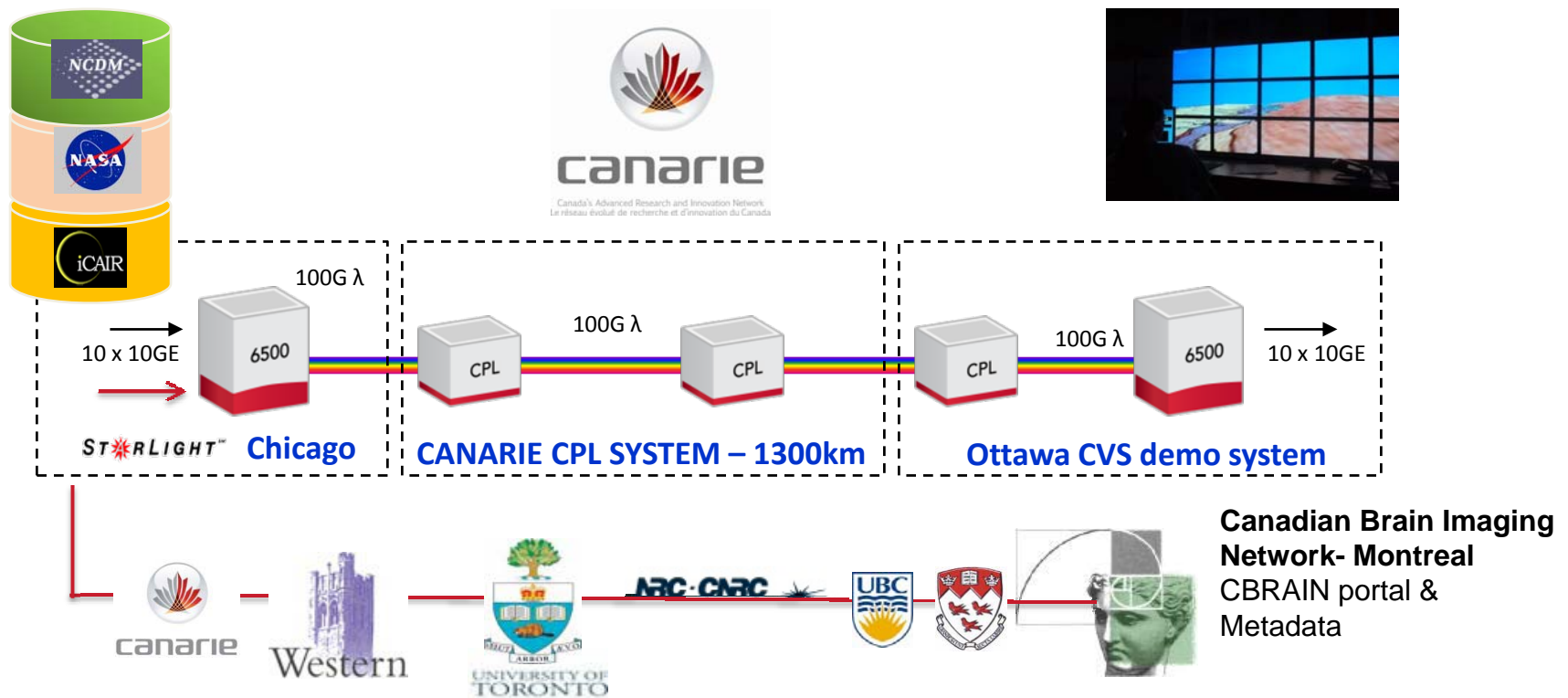
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# Ciena customer event – Chicago, Ottawa, Montreal

- Real-time access to high bandwidth applications which are located >1000km away using 100G connectivity in collaboration with significant research organizations. 1<sup>st</sup> NA R&E international.



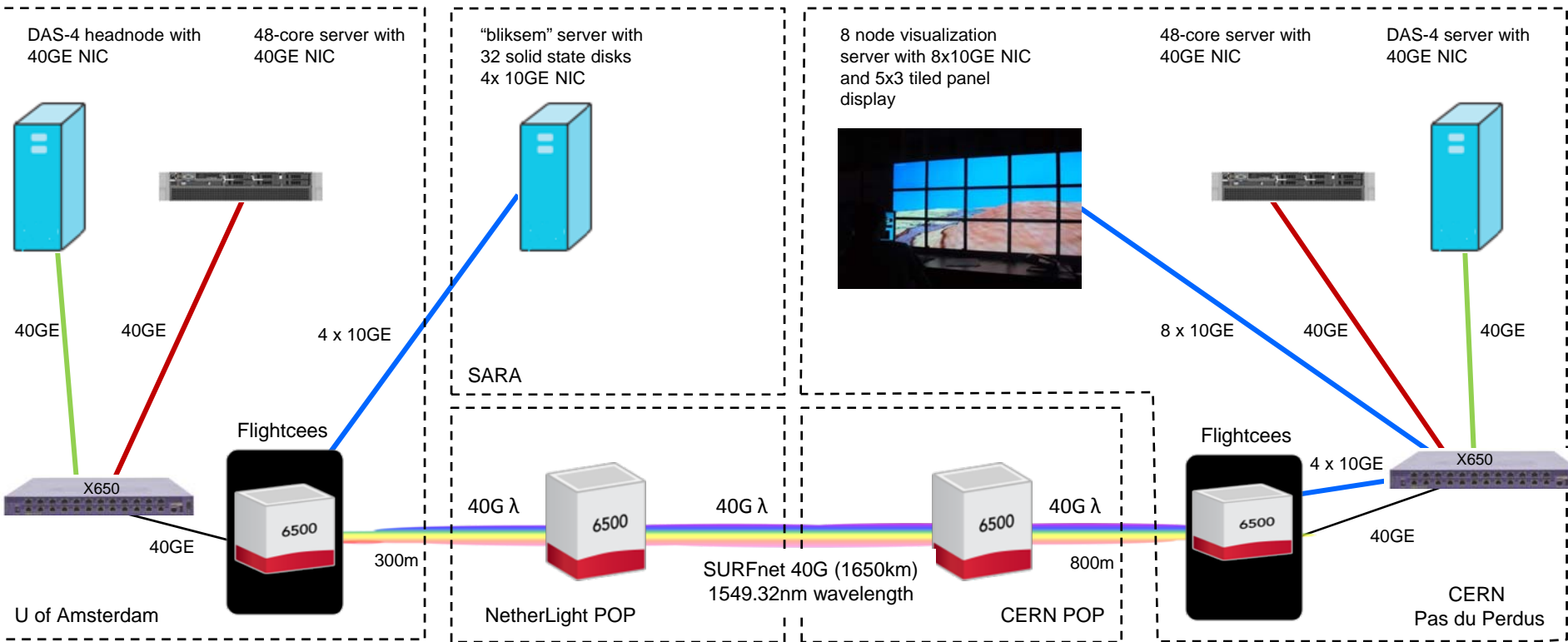
# SC10 – New Orleans

1. Carry 100G traffic on the Scinet backbone (3<sup>rd</sup> year carrying production traffic @100Gb/s) + 100GE with Internet2
2. Hosting the CANARIE research demonstration “C-BRAIN”
3. Contributing 100Gb/s to Peta Scale Computing Demo
4. Replicating part of the 40Gb/s GLIF demo on the show floor

# GLIF 2010 ClearStream demo – Amsterdam to Geneva



- Clear channel single-flow >10G transmission on this wide-area end-to-end lightpath implemented on the 1650 km photonic system using a 40G lambda.



**Demos:**

1. DiVine application – distributed model checker
2. iPERF – TCP/IP, UDP, performance
3. Video steaming



**Thank you**

**Merci**

**Dank schön**

**Dank u**