



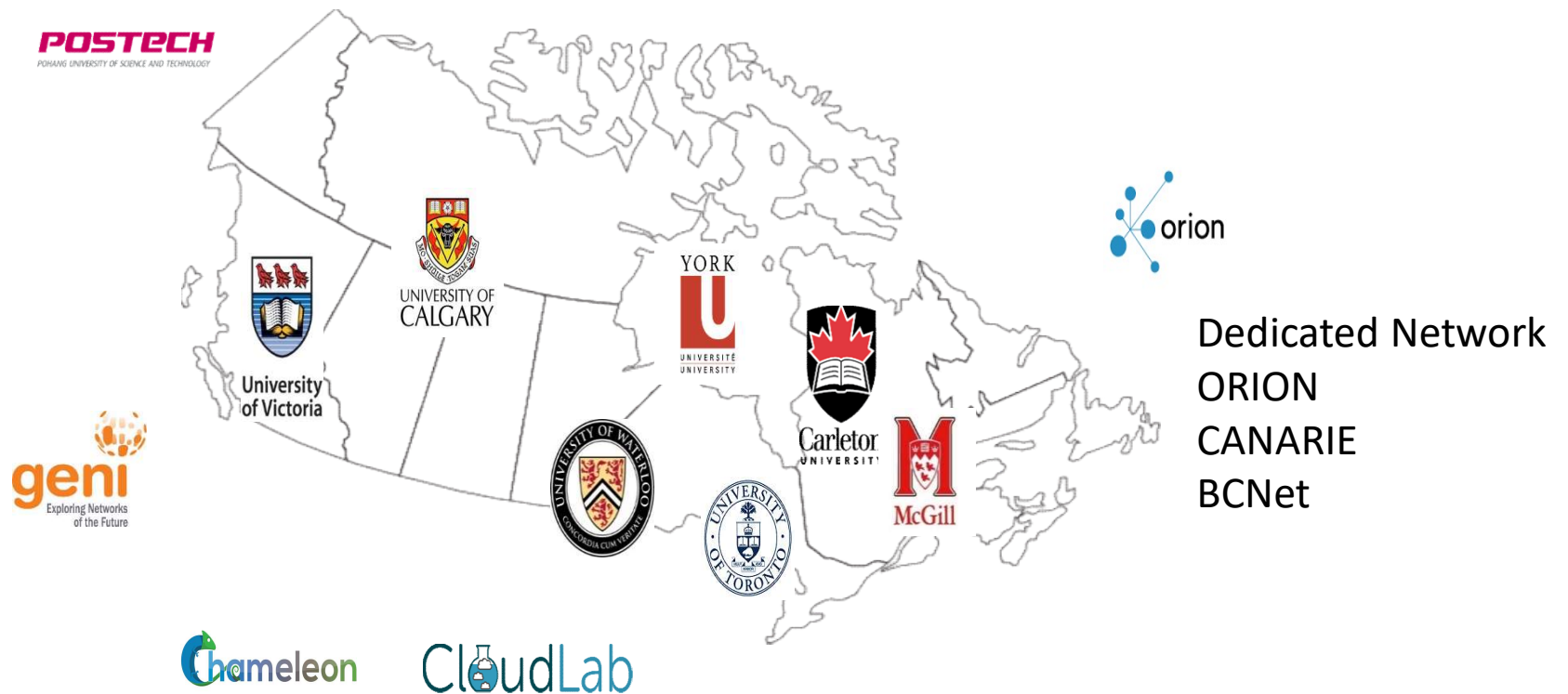
SAVI Testbed

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GENI Engineering Conference 25
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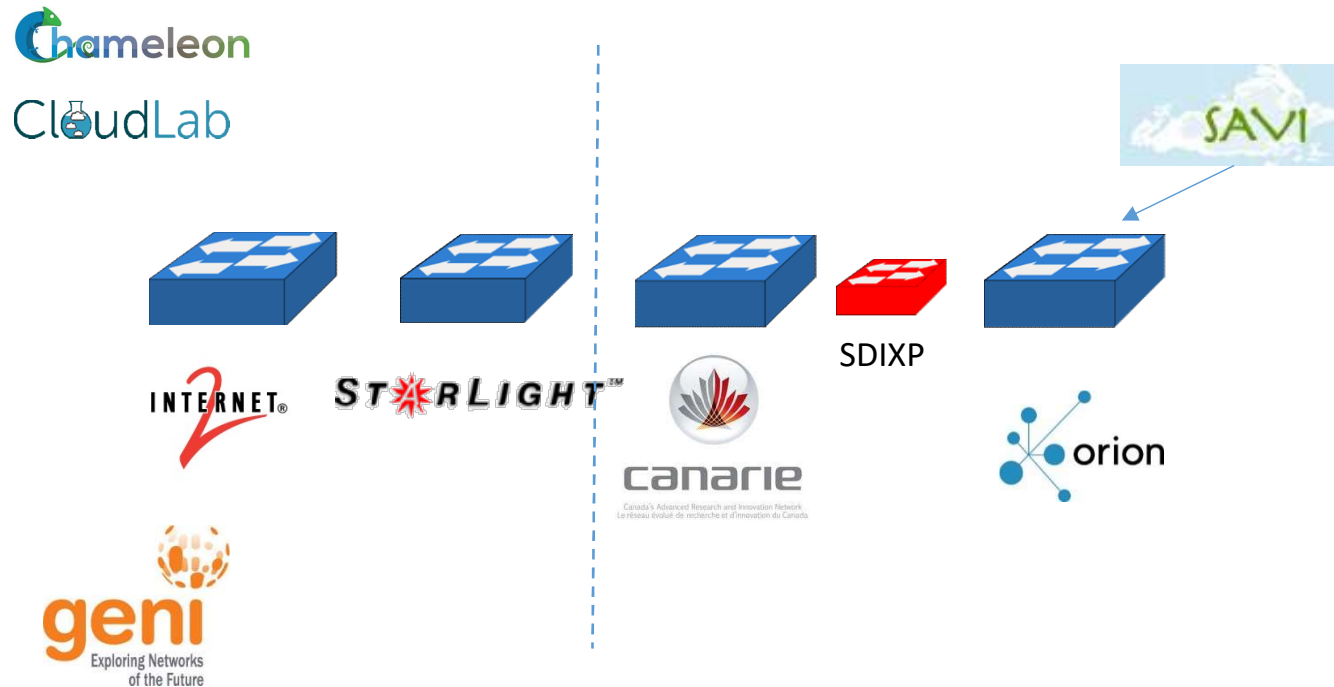


Latest SAVI Testbed Status

8 nodes In 7 Canadian Universities



Federation with US Testbed/Clouds @L2





Sample Projects on Testbed

- NFV and Advanced SDN Services
- Orchestration and Measurement & Monitoring
 - Infrastructure & Application Layer M&M
- SAVI vCPE and IoT
- Big Data Analysis
 - Apache Hadoop and Spark clusters
- Reconfigurable Hardware Virtualization (FPGA)
- Content Delivery (CCN, X-CCN)
- Connected Vehicle and Smart Transportation (CVST)
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Smart City Platform Requirements

- Smartness
 - Situational awareness & analytics assist decision-making
 - Information sharing from multiple domains
- Extensibility
 - Portfolio of smart city applications & scope of their coverage will vary dramatically across cities
- Replicability
- Scalability of IoT!
- Interoperability across sectors, regions, ...
- Reliable & resilient
 - Delivering each application with required performance.



Future Directions

- Resources for Smart Cities Platform
- IoT Resources
- SDX
- 5G Wireless Testbed
 - SDR, Open-source wireless stacks



EU Discovery Project

- Fostering EU-North American ICT research collaboration
- Software-Defined Exchanges to federate international testbeds
- Containerization and IoT cloud integration for smart cities