

International Collaboration **Goals & Potential GENI Contributions**

GEC 14

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- Goals
- Potential GENI Contribution

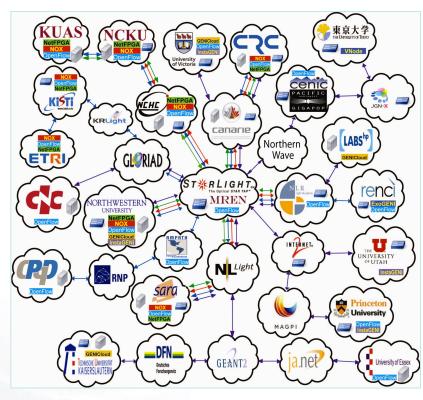


International Collaboration Working Goals

Earlier today, we saw a demonstration of a slice around the world

How do we make our capabilities interoperate so such configurations (or smaller versions) become

- 1. Common (or at least straightforward to set up)
- 2. Automated (partially or fully)





International Collaboration Exit Goals for This Session

Identify a small team that will continue to meet over the next few months (by phone / email)

- Choose concrete steps that will be taken in the next six to twelve months
- Develop and present a plan in the timeframe of GEC15 (November 2012)
 - Begin with a simple collaboration built on resources (compute & network) and configurations that can interoperate compatibly now (or very soon)
 - Build up from a modest core configuration





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Potential GENI Contributions to an International Collaboration (1 of 2)

- Experimenter resources
 - · GENI will issue credentials to participants in international experiments, giving access to:
 - Existing GENI compute resources (now)
 - Meso-scale OpenFlow switches (now)
 - GENI racks compute, storage, and OpenFlow (as racks are deployed)



Potential GENI Contributions to an International Collaboration (2 of 2)

- Clearinghouse and aggregate platform help available code bases and technical assistance
 - Several GENI development teams have an existing software base that suitable for reuse to support instantiation of new clearinghouses and aggregates
 - PlanetLab / myPLC clearinghouse and aggregate functions
 - ProtoGENI clearinghouse and aggregate functions
 - GENI reference clearinghouse