

# GENI Town Hall

## Breakouts on Protocols and Architecture

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# Previous Town Halls

## Lists of research areas/problems

- Security through addressing change
- Network processors
- High-throughput applications
- Self-adaptation and self-configuring networks
- Overlay networks
- New wavelength scheme
- Implementing knowledge plane
- Sensor nets
- Mobility
- ...

# Previous Town Meetings

- Lists of GENI requirements
  - Programmable
  - Complete monitoring and measuring facilities
  - Reproducibility of experiments
  - Real user traffic
  - Defined interfaces, documentation, ...
  - High enough performance
  - ...

# Research Thrusts for GENI

1. Scientific discovery
2. Invention of new mechanisms
3. Integration of new concepts into coherent, overarching proposals for future networking and communications
4. Perhaps: phased introduction of results into real Internet

# General Goals of BOG

- What are the interesting and important research topics in the area of architecture and protocols?
- How will GENI help?
- What requirements for GENI are implied?