# Strategy V: Enable Engagement and Collaborations

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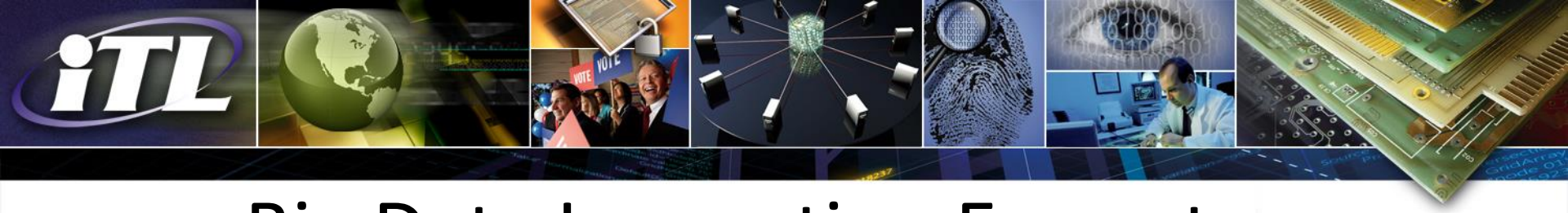
October 23, 2014

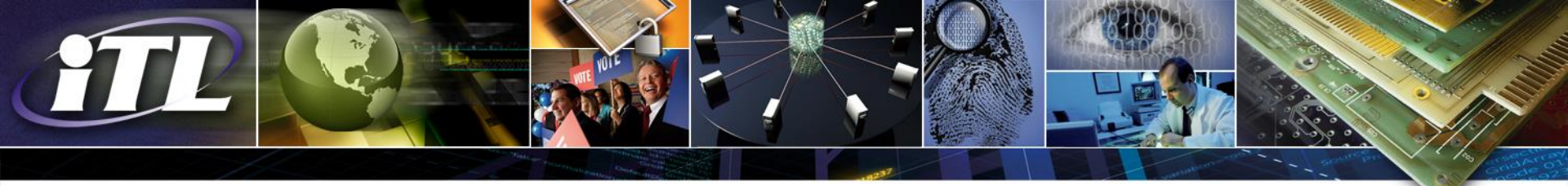



# Big Data Innovation Ecosystem

Create new gateways that enable the **interconnection** and **interplay** of Big Data ideas and capabilities across agency missions

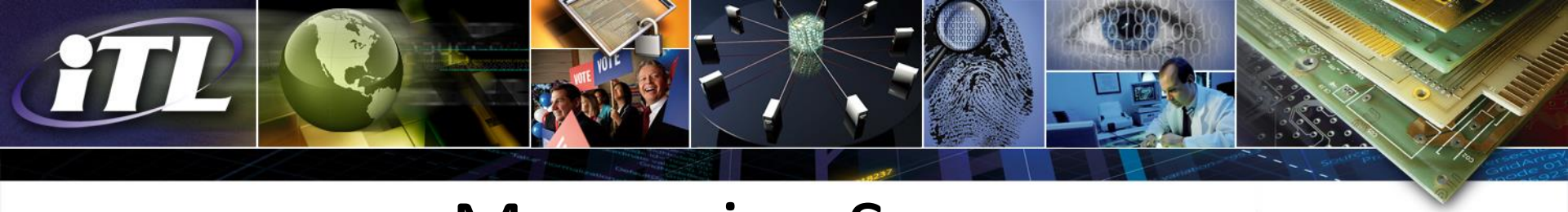
# Strategies

- Develop Gateways between Agencies
- Prompt Implementation of Agency Funded R&D Innovations
- Rapid and Dynamic Response to Urgent Priorities (e.g., Deep Water Horizon)
- Big Data Grand Challenges
  - Data Simulation Center
  - Expand Big Data Community through collaborations to Achieve “Big Data Big Picture” Goals




# Focus Forward: Government R&D Role

- Enable data focused **cyberinfrastructure** and robust **shared** resources while protecting **privacy** and promoting **usability**
- **Measure** the value and trustworthiness of data and the performance of algorithms and analytic systems including **uncertainty quantification**
- Encourage **R&D in critical gap** areas and enable rapid implementation of resulting **innovations**




# Measuring Success

- Increase in data-intensive communities, interdisciplinary communities and multi-stakeholder partnerships
- Accelerated pace of innovations in science, technology and business
- Rapid resolution to national priority challenges

➢ Confident Action from Trustworthy Data and Knowledge

# Questions?