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?