Data Access and Storage of Earth Science Data in the Cloud
Experiments in Collaboration

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What if?
The right data could be accessed quickly and easily for decision support.
What if?

Real-time disaster data integration empowering rescue and recovery workers
What if? High-res models allow better prediction of watershed and eco-system behavior
Consumers could make real and timely climate-relevant decisions
What if?

Students and researchers had intuitive real-time tools
Cloud services can help.
The dialogue must begin and end with Data Sensitivity

Up-front investment may be significant

Prototypes flesh out what will and won’t work

New Skill sets required
Reward

Elasticity

On-Demand Computing

Pay-as-you-go

Resource pooling

Facilitating collaboration
Collaboration enables the answers to complexity.
Reach Out
Sustainable Infrastructures and Architectures
Small Experiments
Pilot with partners

Data Storage Cloud

DaaS

Virtual Desktop
Ongoing Prototype

Goddard Data Storage
Cloud Pilot Project
Think: Data as a Service
Goddard Persistent Virtual Desktop
Collaboration Efforts
Continuing to lay the groundwork for collaboration
ESIP Community Challenges

Effective utilization and optimization of computing storage and communications resources

Fault tolerant systems that continuously aggregate and process data while ensuring integrity

Tracking how, when, and where data are created and modified (Provenance)

Machine to Machine computing (remove human factor)
Questions?

If you want more information, please reach out:

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