GMOC Update

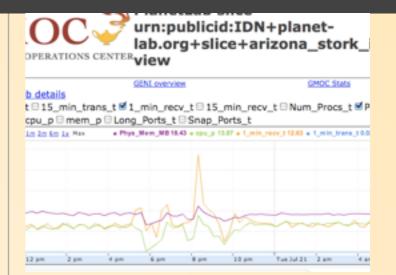
GEC5: OMIS WG Meeting Seattle, WA July 21, 2009











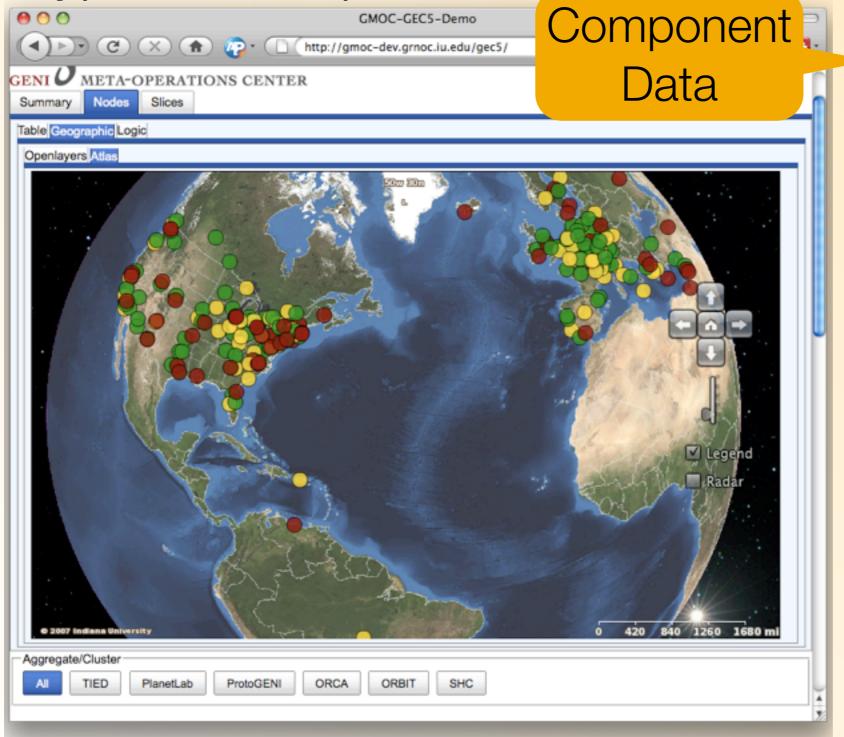


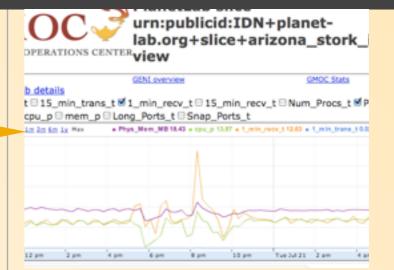












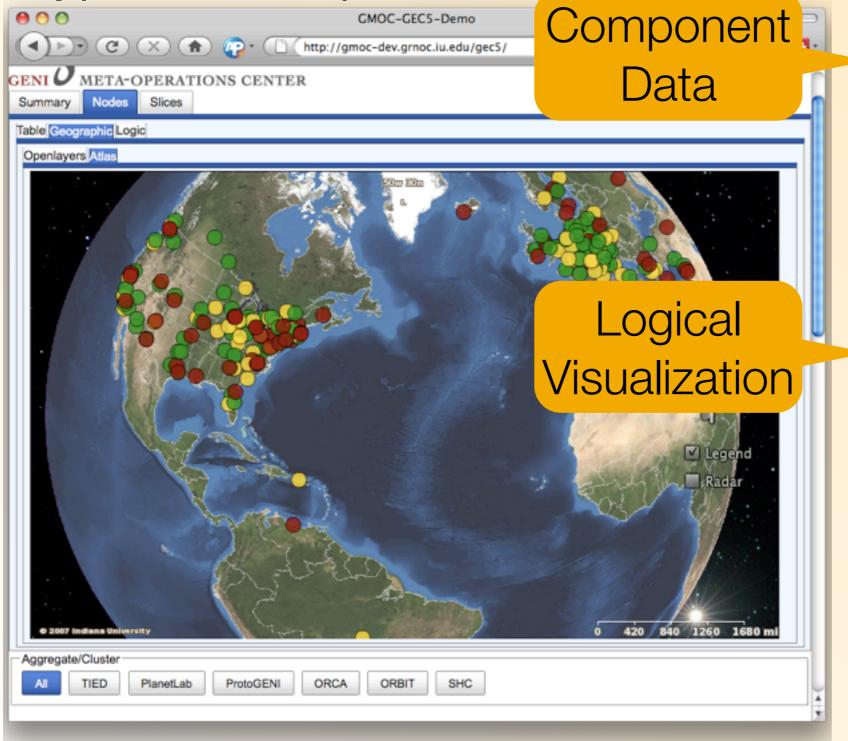


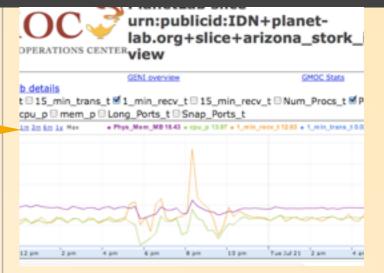












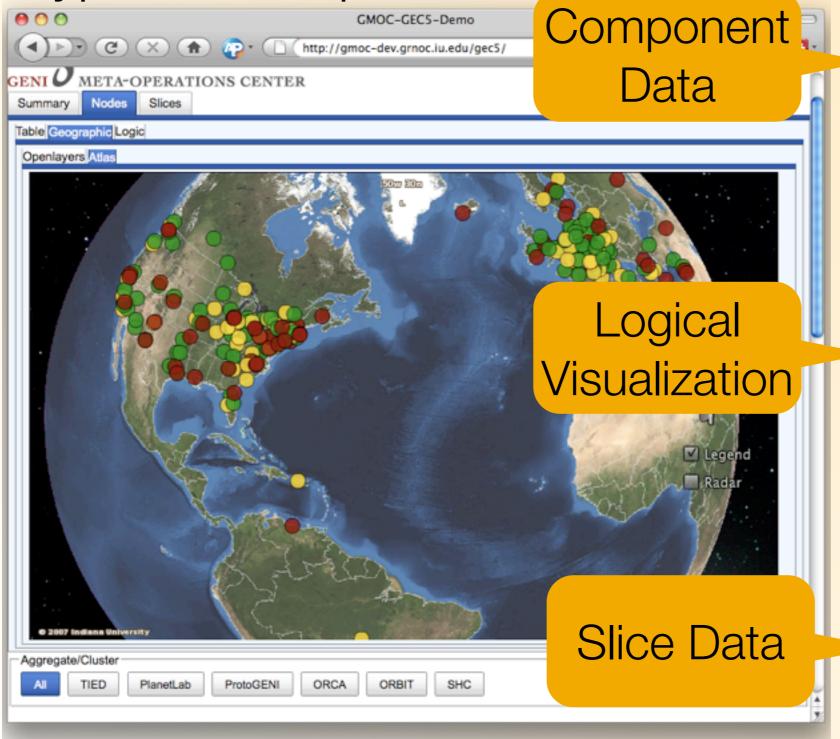


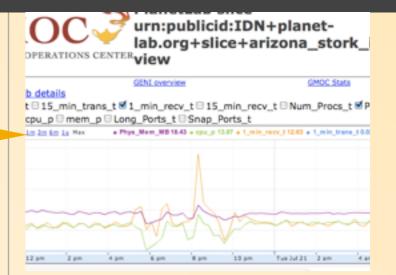






















Operational Data Gathering Strategy So Far

- Working with Control Frameworks
 - Gathering data about other cluster participants via Control Frameworks
 - e.g. Gather MAX data via PlanetLab
- Avoid having 29 separate projects to collect data
- Possibly avoid extra effort for each project to provide data, if existing systems can be used







Operational Data Gathering Strategy - Future

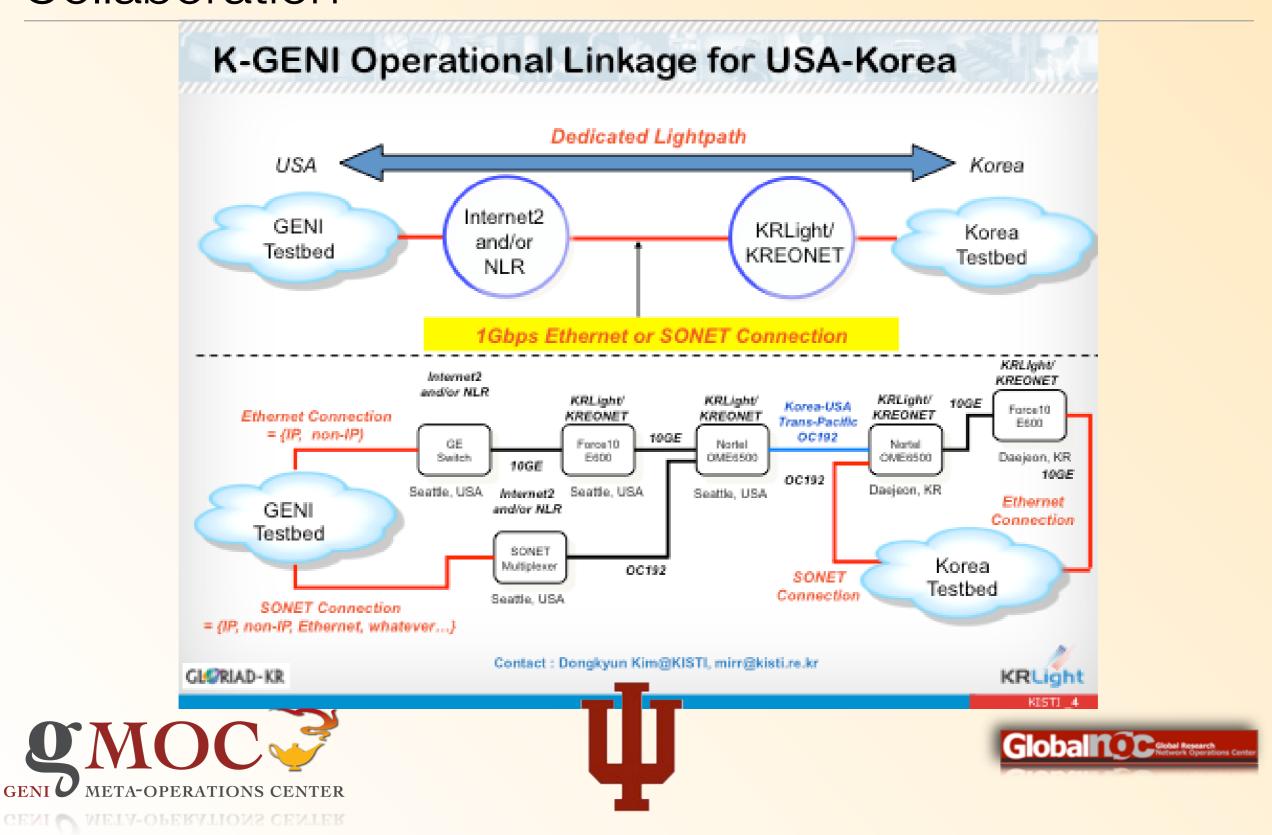
- Instead of dividing by control framework, divide by type
- Work first with small set of examples of individual types of projects
- types:
 - control framework(s)
 - network infrastructure
 - wireless
 - sensors
 - server nodes
- projects should be:
 - interesting
 - interested
 - have low threshold to share







Solicitation 2: K-GENI ETRI/KISTI-GENI Collaboration



Solicitation 2: K-GENI ETRI/KISTI-GENI Collaboration

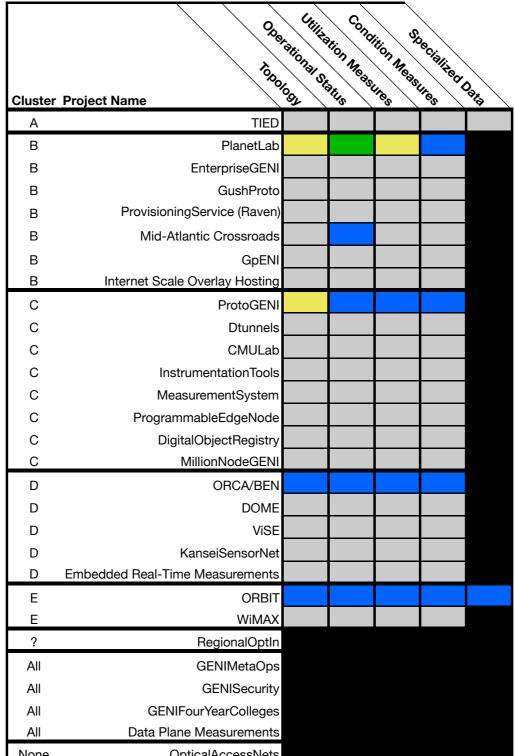
- Scope:
 - Investigate international operational sharing and federation strategies
 - Look into interoperability between GMOC and dvNOC
 - for example: should GMOC conform to dvNOC data formats? vice versa? maybe a international "broker" to translate between them?

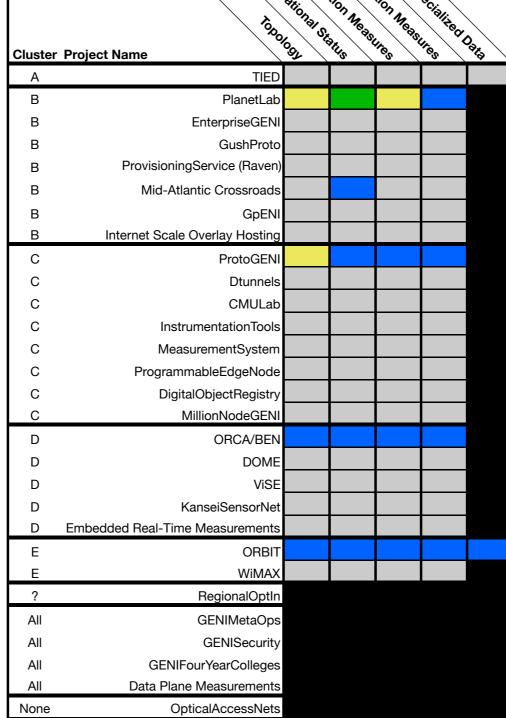






Status of our gathering











Kev

Actively Collected

Partially Collected

Planned for future

Unknown

N/A

Never to be collected

Emergency Shutdown -An Idea





Start Small

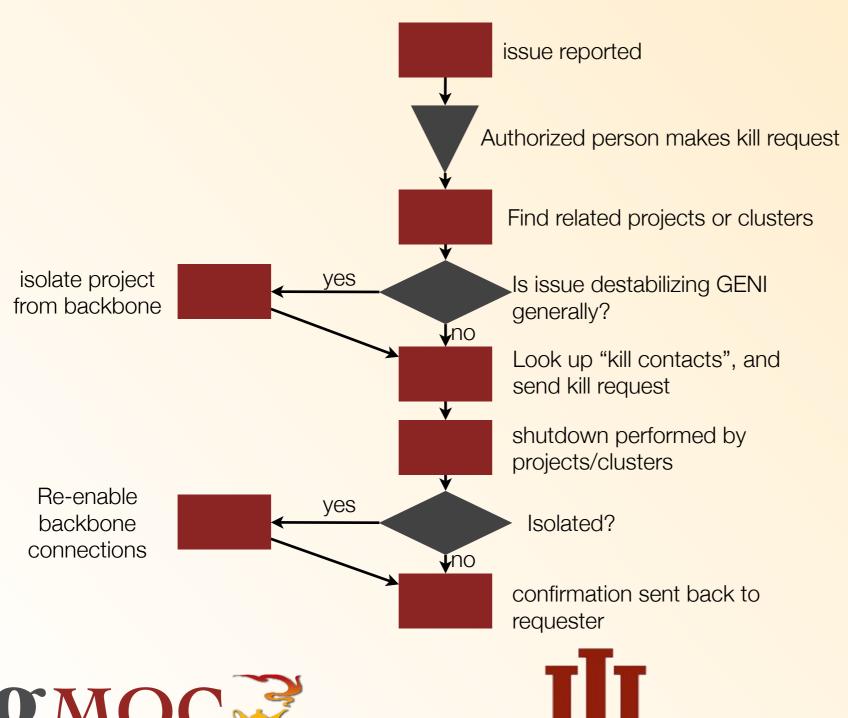
- Don't get too fancy
 - Don't over-automate
 - Don't over-process
- Concentrate on 3 things:
 - Coordination of Contact Information
 - Simple Expectations for Response
 - Isolation if REALLY needed







Emergency Shutdown Flow









The Contacts

- list or individual contacts
 - email & phone
- mapping between contact and components







Response Expectations

- different for different scenarios:
 - "hung" slice
 - resource over-consumption
 - disruptions







Isolation

- In cases of true disruption, project can be isolated
 - Turn off I2 or NLR interconnections
 - VERY heavy-handed
 - Need approval?







Throw your tomatoes







