

Campus Design – Successes, Challenges and Efforts to Quantify Science Impact



Introductions

- Moderator:
Carrie Rampp, Franklin & Marshall College
- Adam Klemann, Malone University
- Jorge Crichingo, Northern New Mexico College
- Brad Weaver, Wabash College



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The usual useful bits—

Location: Lancaster, PA (its actually a small city...)

2400 students

Faculty/student ratio: 1:9

Top 50 National Liberal Arts College

Founded in 1787

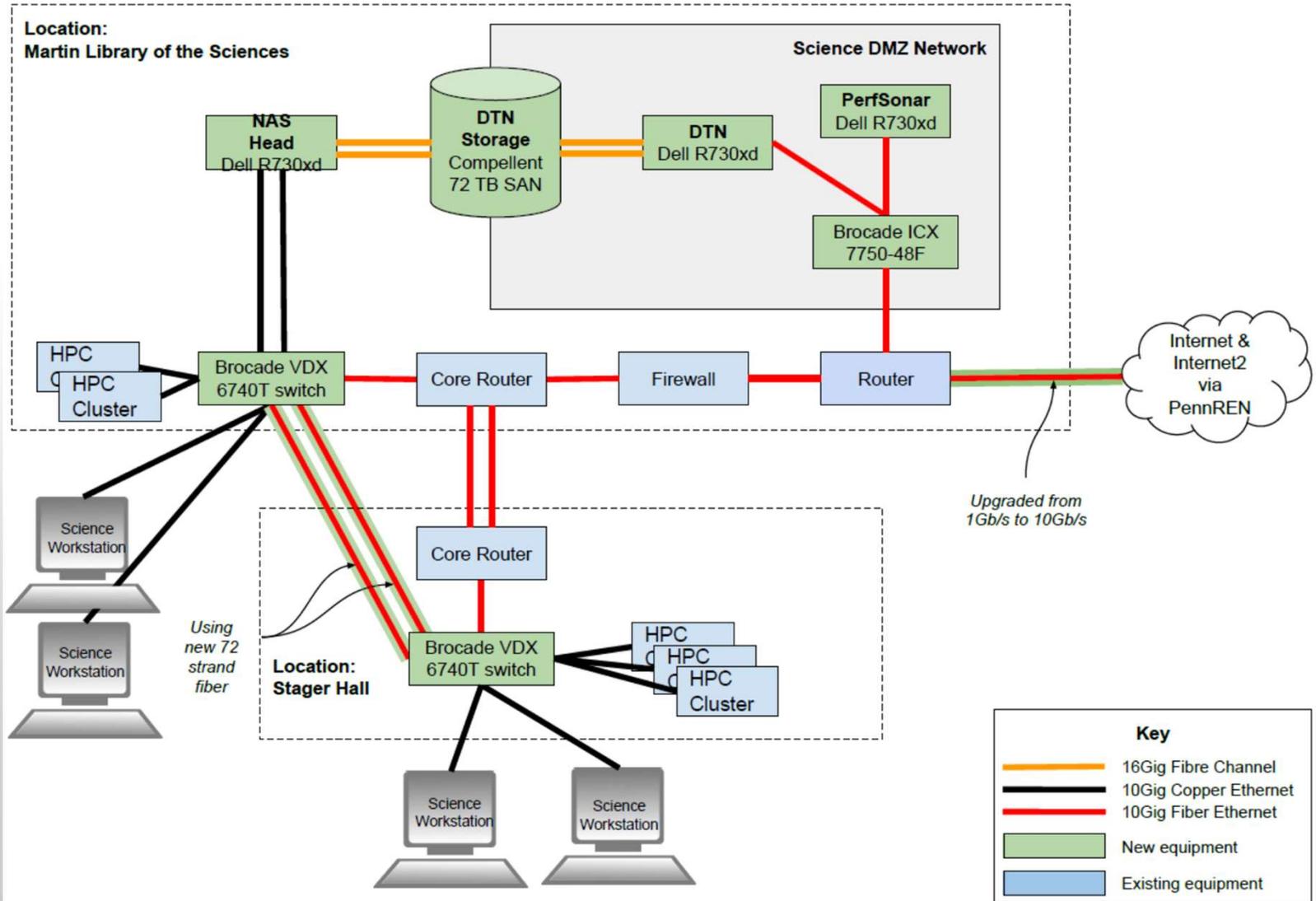
Received an NSF CC*DNI to support the build of a science DMZ, DTN and perfSONAR deployment

Current status: Planning year complete, plan formally approved by NSF, preparing for bid



F&M Science DMZ Build Plan drawing

Last Edited August 12, 2016



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A few active science drivers...2016

- NSF CAREER: Using Imperfect Predictions to Make Good Decisions
- NSF CAREER: Development of Earth-Abundant Mixed-Metal Sulfide Nanoparticles for use in Solar Energy Conversion
- 3M+ XSEDE award, Integrative Biology & Neuroscience
- 100s of jobs run, Neuroscience Gateway, Cognitive Decline/Aging research
- NSF MRI: Acquisition of a laser scanning confocal microscope to support faculty-student collaborative scholarship
- ...and the pulsar fellow...and the evolutionary genomics lady...and the machine learning and data mining guy....
- *And these are just a couple I know about....*



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What's been on my mind, as I think about assessment and science impact--

- Once I have my new cannon? How do I prove its value?
--if it actually were a cannon, it might be easier...
- What had more value than I realized at the time?
--Our grants office ran a great idea generation and development session as part of our preparation
--Trying to really figure out our data flows/needs....
- Asking researchers what limits them is sort of like “faster horses”
(even if Henry Ford didn't say it....)
- How do I get researchers to see us as their partner?
--it can be hard to have an impact if you don't even know there is an opportunity...



Panel Discussion Questions

- What has been most challenging to you and your institution as you attempt to quantify your project's impact on science?
- How did you originally (perhaps in your proposal) articulate your plans for assessment and measuring impact? How has your thinking evolved, if at all?
- What aspects of efforts to quantify science impact do you believe are more challenging at a smaller or non-research institution? Does any aspect seem easier?
- Has this grant changed your engagement with researchers in any way? Or changed the opinions of the role of IT on your campus with regards to research?
- Questions from the audience?

