

# Franklin & Marshall College NSF CC\*DNI

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March 2015: Proposal submitted

September 2015: Received \$350K award

Purpose: Build a Science DMZ and DTN for F&M. Includes deployment of PerfSONAR, move to 10Ge, joining Internet2, etc.

- 2-year project; year 1 is a planning phase by design
- Requires submission of final design prior to buy/build

***Whatever you do...don't forget the science drivers!***



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## Project Team:

Jason Brooks, Manager Academic Research Systems

Jonathan Miller, Network Analyst

Carrie Rampp, Associate Vice President & CIO (and PI)

Eric Smith, CISO (F&M and Susquehanna University)

Alan Sutter, CTO & Director of Technology Infrastructure

## Faculty co-PIs:

Jaime Blair (Biology); Christina Weaver (Math); Fronefield Crawford (Physics & Astronomy)

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WORK TO DATE: Engagement with generous and kindly partners/ advisors

- KINBER, Wendy Huntoon & Mike Carey
- Lehigh University, Vice Provost Bruce Taggart and his entire HPC team!
- Jason Zuraski, Science Engagement Engineer, ESNET
- Ken Miller, Systems Design Specialist, Penn State University
- NSF CC\* PI meeting
- Other workshops: Co-host OIN event; PerfSONAR KINBER workshop

COMPLETE: Moved to 10Ge, joined Internet2, deployed PerfSONAR

IN PROCESS: Validating design, drafting 'buy list,' gathering formal costs from vendors, presenting on campus

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UP NEXT: Submitting design and 'buy list' to our NSF Program Director for acceptance, likely June 2016

.....and then building it.....




***Ben reminds us:***

***Whatever you do...don't forget the science drivers!***



# F&M Science DMZ conceptual drawing

Key:

-  Fibre Channel
-  10G Ethernet
-  New equipment

