

NSF CC* PA
Science DMZ
Project

Agenda

- Introduction
 - Wayne Figurelle
- What is a Regional Science DMZ
 - Grant Dull and Ben Miller
- Regional Science DMZ - IT Perspective
 - Jason Simms
- Regional Science DMZ – Research/Administrative Impacts
 - Rick Adkins
 - Ezra Lencer
 - Bill Balint

Introduction



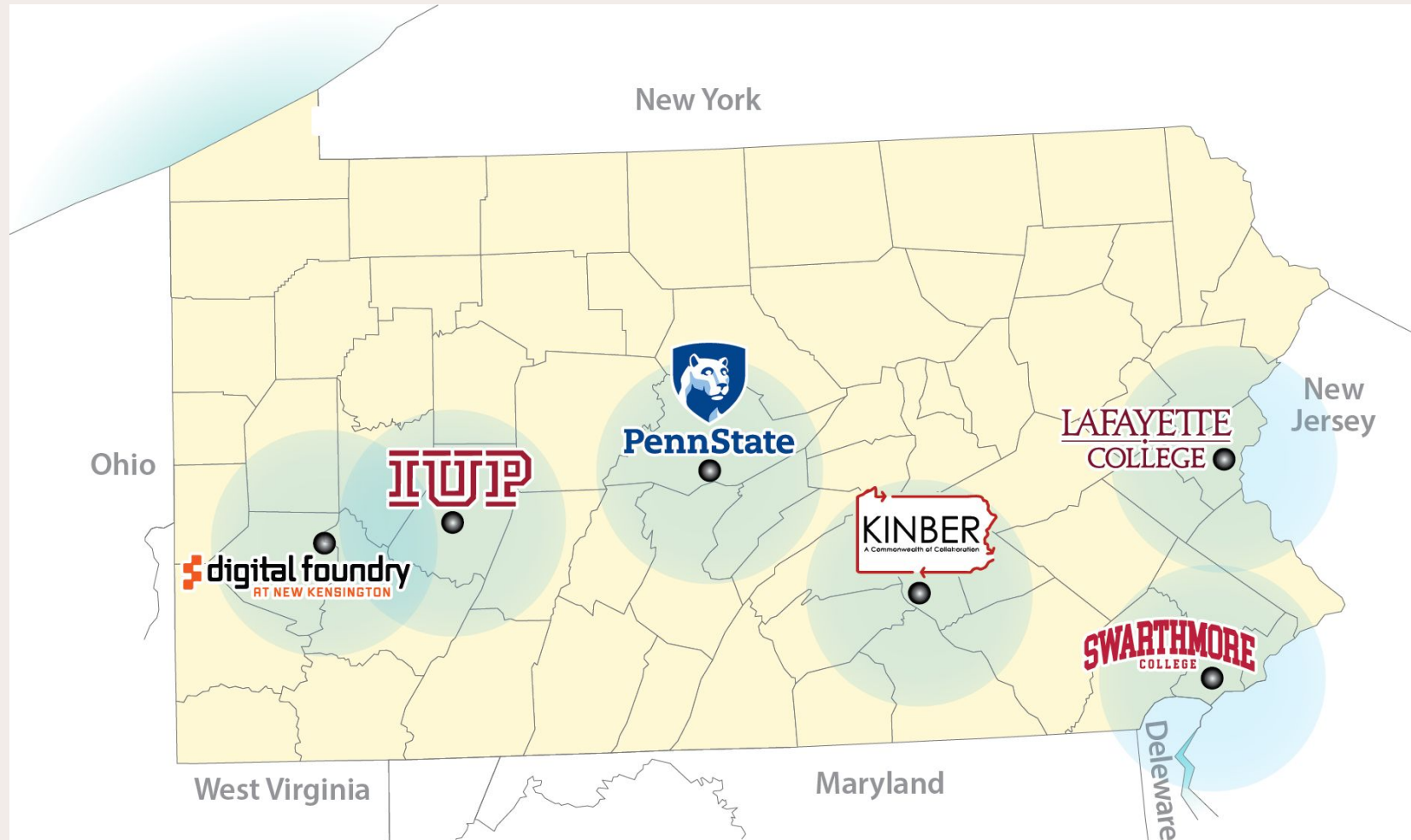
PA-DMZ Project Overview

- Frictionless Network (DMZ)
 - Goal - establish the foundation for a statewide Pennsylvania Regional Science DMZ (PA-DMZ) that enables and enhances access for under resourced PA institutions of higher education to cyberinfrastructure-based resources and services in support of science driven research and education applications.
- Grant supports
 - Networking hardware and connectivity
 - Installation and support for 2+ years (organizations to provide support years 3-5)
 - Broader Impacts and Research Enablement
- Grant Link:
<https://new.nsf.gov/funding/opportunities/campus-cyberinfrastructure-cc>

2023 Award Highlights

- \$1.1 M funding
- 5 partners
- PA Research DMZ for Under-resourced Institutions
- Install and Operational in 2024
- Research Enablement in 2024/2025
- Growth and Expansion in 2025

PA-DMZ Current State

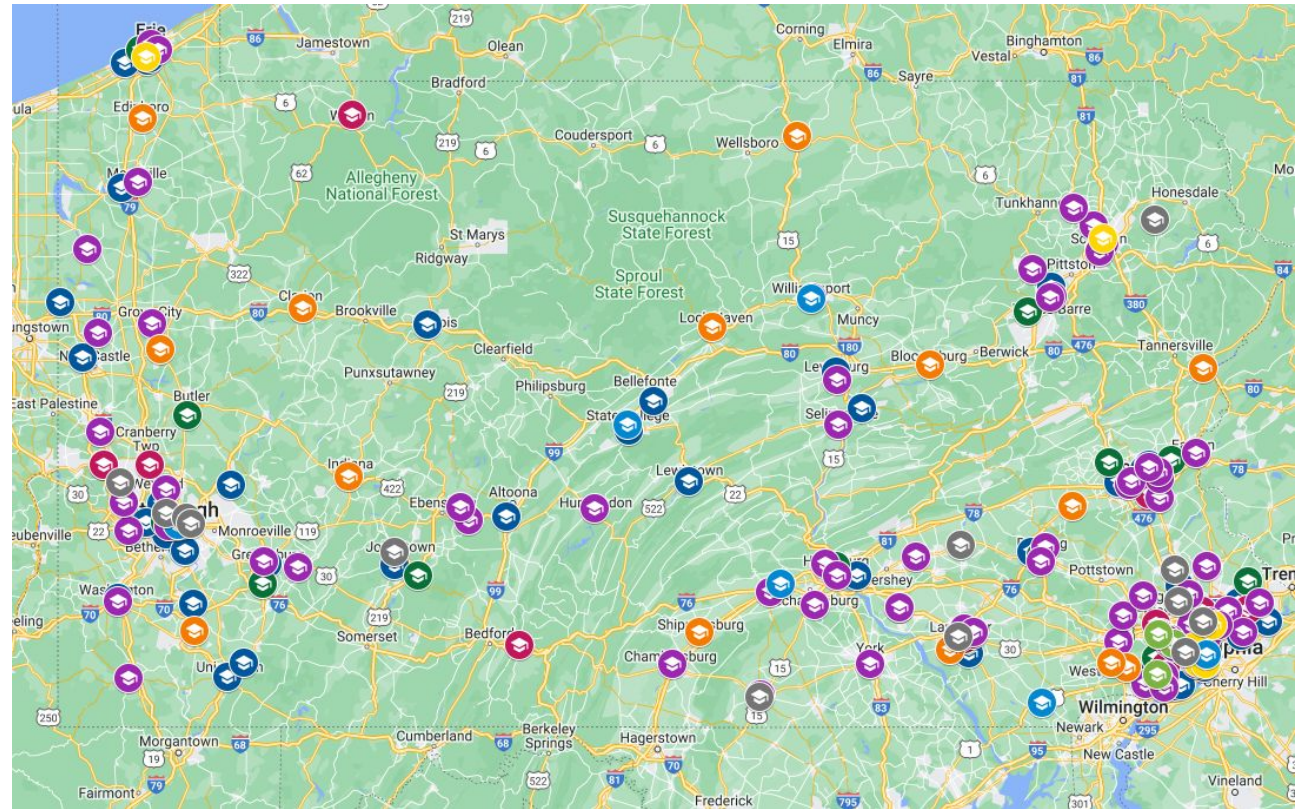


Pennsylvania's Potential

PA - 24 CC* awards as of Jan 2024

Many under-resourced institutions

Chance to make a change



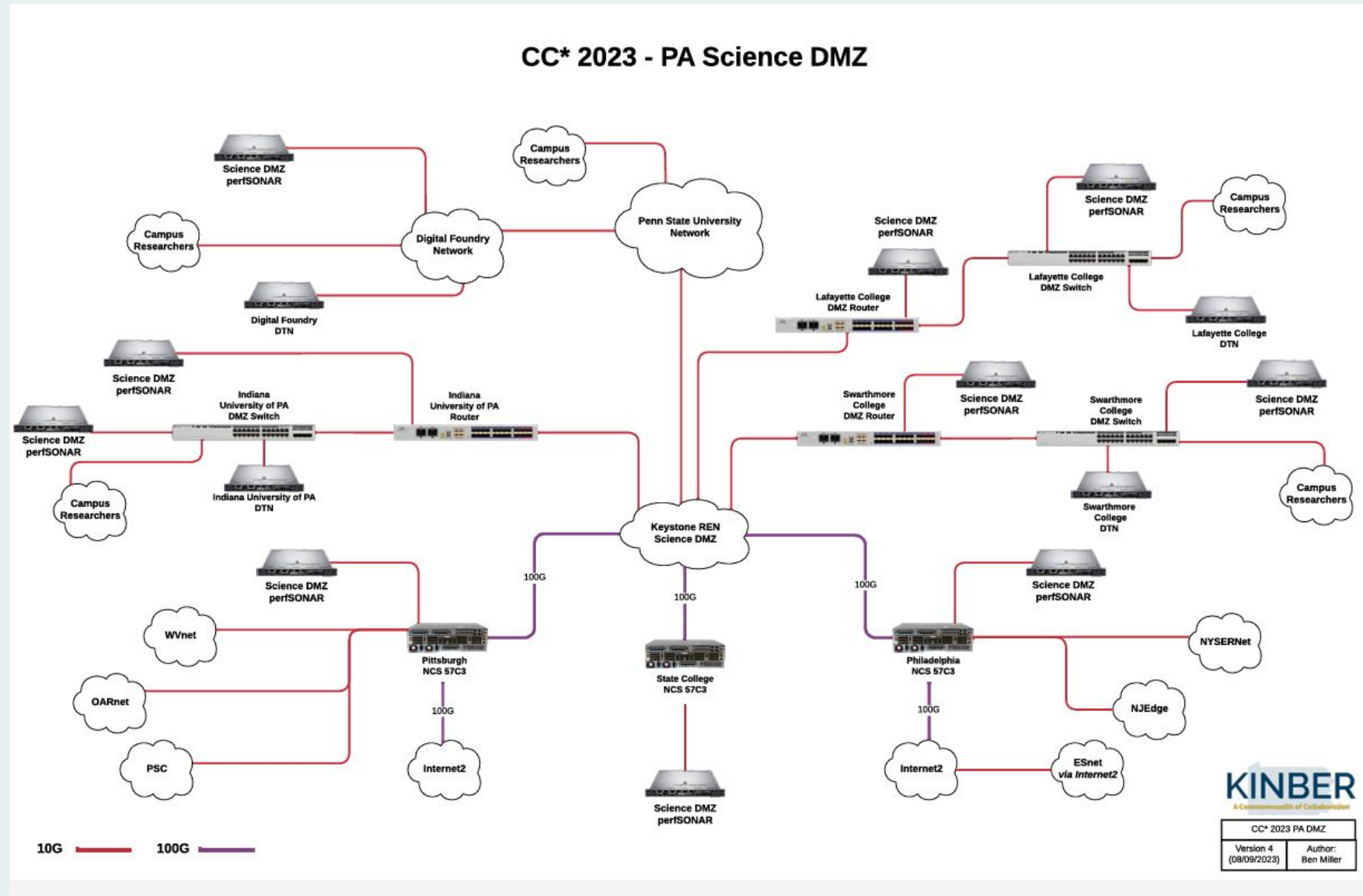
Map data © 2024 Google - created by a user

What is a Regional Science DMZ

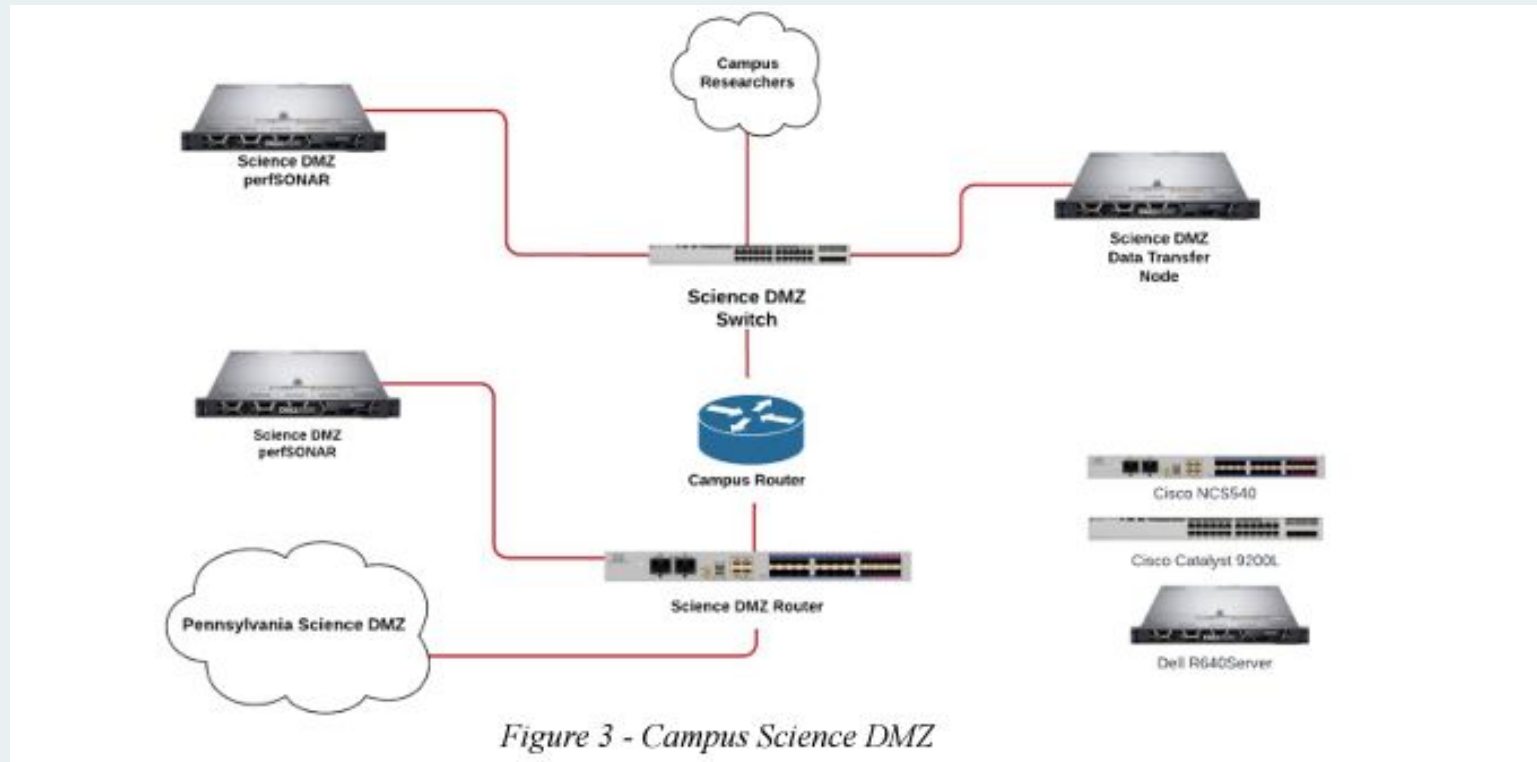


- Ben Miller, Keystone REN

Network Diagram



Network Diagram



Regional Science DMZ - IT Perspective



Regional Science DMZ – Research/Administrative Impacts



Regional Science DMZ – Research/Administrative Impacts



Regional Science DMZ – Research/Administrative Impacts



Q & A

Thank
you