



# NSF VIRTUAL CAMPUS CYBERINFRASTRUCTURE PI WORKSHOP SEPTEMBER 19 – 21, 2022

## Quad Chart for: *Designing a Regional Science DMZ for Small Colleges and Universities in Pennsylvania*

### Challenge Project Seeks to Address:

- Identify, understand, and quantify existing science drivers; understand the corresponding cyberinfrastructure for smaller schools.
- Provide both the technical and application support associated with the implementation of required cyberinfrastructure in support of the initial and then subsequent research applications

### Deliverables:

- Identify a methodology for identifying science drivers and campus requirements for small college campuses
- Identification of a campus Science DMZ model that would be appropriate for their identified science drivers and sometimes limited campus cyber infrastructure
- Identify business and viable sustainability models for long term support for both regional and Campus Science DMZs

### Participating Institutions



Indiana University  
of Pennsylvania

### Broader Impact:

- Understand the science research and education drivers and applications smaller campuses in PA and develop a repeatable method for identifying them for schools in the region and beyond.
- Small college institutions not only serve a diverse student population but also have strong ties into their individual communities providing an opportunity for dissemination of the ideas and concepts associated with the project beyond the KINBER constituency.
- Develop mechanisms for identifying applications with cyberinfrastructure requirements can be used by disciplines outside of science and engineering such as arts and humanities.

<https://www.kinber.org/nsf-grant/>

- NSF Award [#2201269](#)
- Early Planning and Discovery Stage!
- Looking for collaboration with similar smaller, sometimes IT resourced constrained colleges and campus to discover similar science DMZ technical designs, methods and sustainable models