

Project Name

Virtual Infrastructure for Data Intensive Analysis (VIDIA)

Principal Investigator Steven M. Gallo

Campus Buffalo, University at

Year of Project 2013

Tier Tier Three

Project Team

- Matthew D. Jones, University at Buffalo
- Cynthia D. Cornelius, University at Buffalo
- Jeanette M. Sperhac, University at Buffalo
- Brian M. Lowe, SUNY Oneonta
- Gregory Fulkerson, SUNY Oneonta
- William Wilkerson, SUNY Oneonta
- Brett Heindl, SUNY Oneonta
- Achim Koeddermann, SUNY Oneonta
- James Greenberg, SUNY Oneonta

Overview Summary

Partnering of supercomputing infrastructure and data scientists to support undergraduate education through use OER visualization tools.

Outcomes Summary

A SUNY Research Foundation "Learning Tuesdays" talk describes the VIDIA project in detail (Scroll to VIDIA specific talk at 22 minutes). Can be viewed at <http://livestream.com/hvccstreaming/LearningTuesdays/videos/54240949>

Project Abstract

The storage and analysis of large datasets culled from social media such as Facebook and Twitter can easily grow to a size that is beyond the capability of commonly used software tools to analyze within an acceptable amount of time. Primarily Undergraduate Institutions (PUI) typically do not have the computing and networking infrastructure or support personnel needed to allow students to create, manipulate, and analyze large multi-terabyte datasets. The SUNY Research Centers, therefore, have an active role to play in supporting data-intensive computing education and analysis at SUNY's PUIs. In order to provide the tools necessary to expose students to state-of-the-art data-intensive computing and analysis techniques, the Center for Computational Research (CCR) at the University at Buffalo (UB) and SUNY Oneonta will partner to pilot the establishment of a collaborative virtual community, focusing initially on data-intensive computing education in the social sciences.

Reports and Resources

- [Project website](#)
- [SUNY Wizard 2014 talk on VIDIA project](#)
- [VIDIA general overview for SUNY Brockport](#)
- [SUNY Learning Tuesdays](#)
- [Mid-project report](#)
- [Project outcomes report](#)

Discipline Specific Pedagogy

- STEM

Instructional Technologies

- Open Educational Resources (OER)