CI Strategic Plan
MU Cyberinfrastructure Council
Jesse Hall, ca. 1900
We need to build virtual institutions with the same intensity and commitment used to build our brick and mortar institutions.

Shel Waggener, Internet2
Recommended Actions

- Continue to develop effective partnerships with investigators on research projects that need significant CI resources. These partnerships have been critical in MU's efforts to maintain and grow the necessary research computing.

MU Campus Cyberinfrastructure Plan, MU CI Council, 2013.
Recommended Actions

- Participate in regional and national collaborations of library associations and high performance computing centers to devise sustainable High Performance Computing (HPC) and research data repositories as well as local resources which can provide the necessary information security as well as the services researchers need.

MU Campus Cyberinfrastructure Plan, MU CI Council, 2013.
Recommended Actions

- Increase the availability of hardware, services, and associated support staff. Explore possibilities for development of a Data Visualization Core Facility.
Recommended Actions

- Through collaboration with relevant campus academic and administrative groups, work to establish data analytics learning and workforce development opportunities, such as certificate programs and master's degrees.
Recommended Actions

- Develop and deploy an ongoing marketing and communications campaign to raise researchers’ awareness of cyberinfrastructure at MU and beyond. This effort will be led by the Division of IT and the MU Libraries, as a continuation of an already well-established partnership between those two groups.
Within the structure of the CI Council, convene researchers as necessary to assure the highest priority needs are met and provide assistance and consultation to those with extreme or unique needs in finding the resources they require.
**Recommended Actions**

- Maintain and expand the University’s network capabilities, which are generally sufficient, but will require additional investments as usage grows and technology changes and expands in scale.

*MU Campus Cyberinfrastructure Plan, MU CI Council, 2013.*

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**Innovation Campus Pilot Sites**

100GE – Science DMZ – Software-Defined Networking

*As of July 2013*
Recommended Actions

- Enhance pursuit of partnerships with business and industry. The evolving cyberinfrastructure is altering both the kind and quality of academic research in higher education. It is stimulating collaborative research endeavors that draw on diverse and dispersed partners across national and international communities. To effectively meet the growing demand for CI to meet our strategic objectives, MU needs to expand our meaningful and effective partnerships with outside entities.
Review progress toward the CI Plan and refine the plan as demand and situations dictate.

Establish and communicate demands for and recommended priorities for purchase or access through collaborations or other means.

Assure that MU has a "Defined CI Architecture" to explicitly determine what will (and will not be) supported.
CI Council Responsibilities

- Establish, refine, and communicate a business model that will provide a sustainable funding necessary for CI resources. This will likely include some level of generally available “no charge” resources, and also provide for a higher level of “for-fee” services.

- Provide leadership in properly securing research data.
Help assure campus leaders are informed of the needs for CI, and how other universities are meeting those needs – in particular the needs for human resources: not just hardware and software. Demonstrate best practices and help facilitate and inspire effective collaborations.