Computing & Information Technology

Presentation to the Board of Governors

by Chief Information Officer,
Joe Sawasky

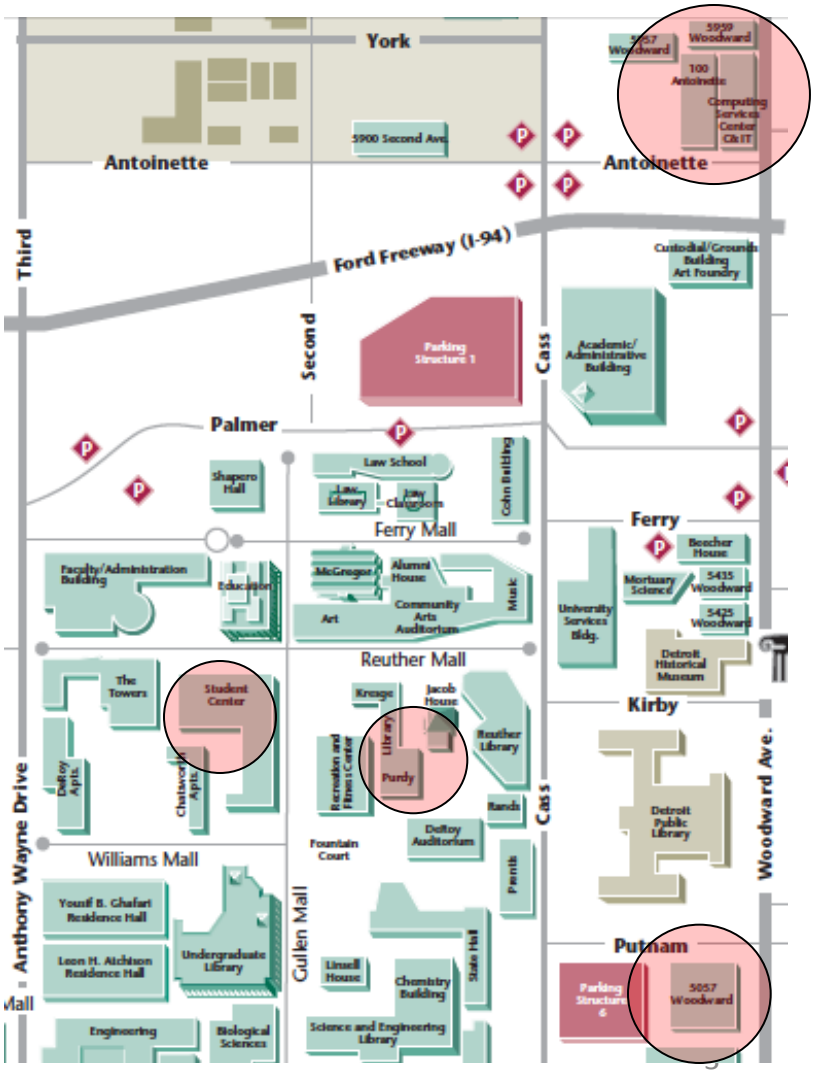
March 27, 2015

Topics of discussion

1. Overview of Organization and Services
2. Recent Progress
3. Trends, Challenges and Future Plans
4. Q&A

Computing & Information Technology (C&IT)

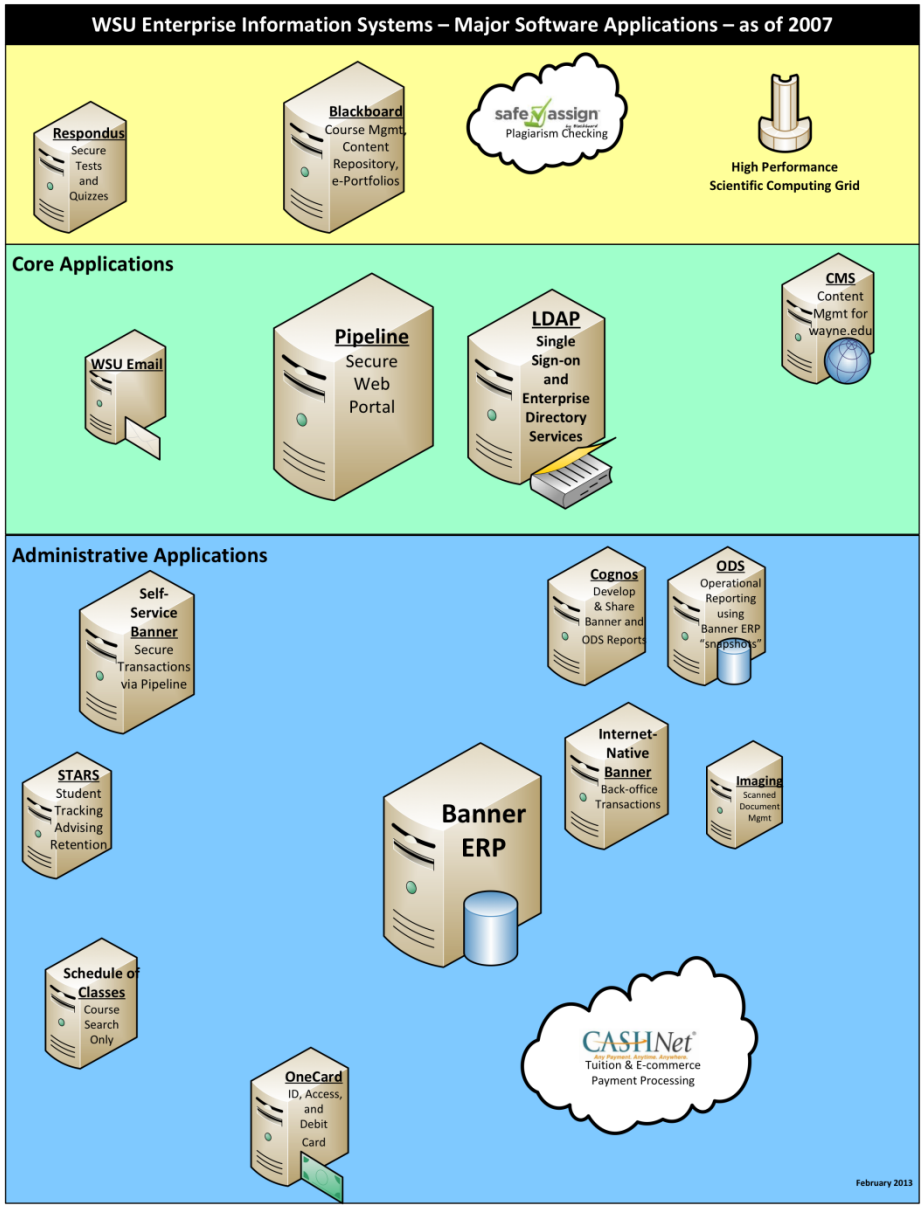
- Central IT for WSU
- Datacenter Operations
- Networking & Telecommunications
- Academic Systems
- High Performance Research Computing
- Enterprise Administrative Systems
- Desktop support for ~1/3 of campus
- Helpdesk
- Virtual Tour



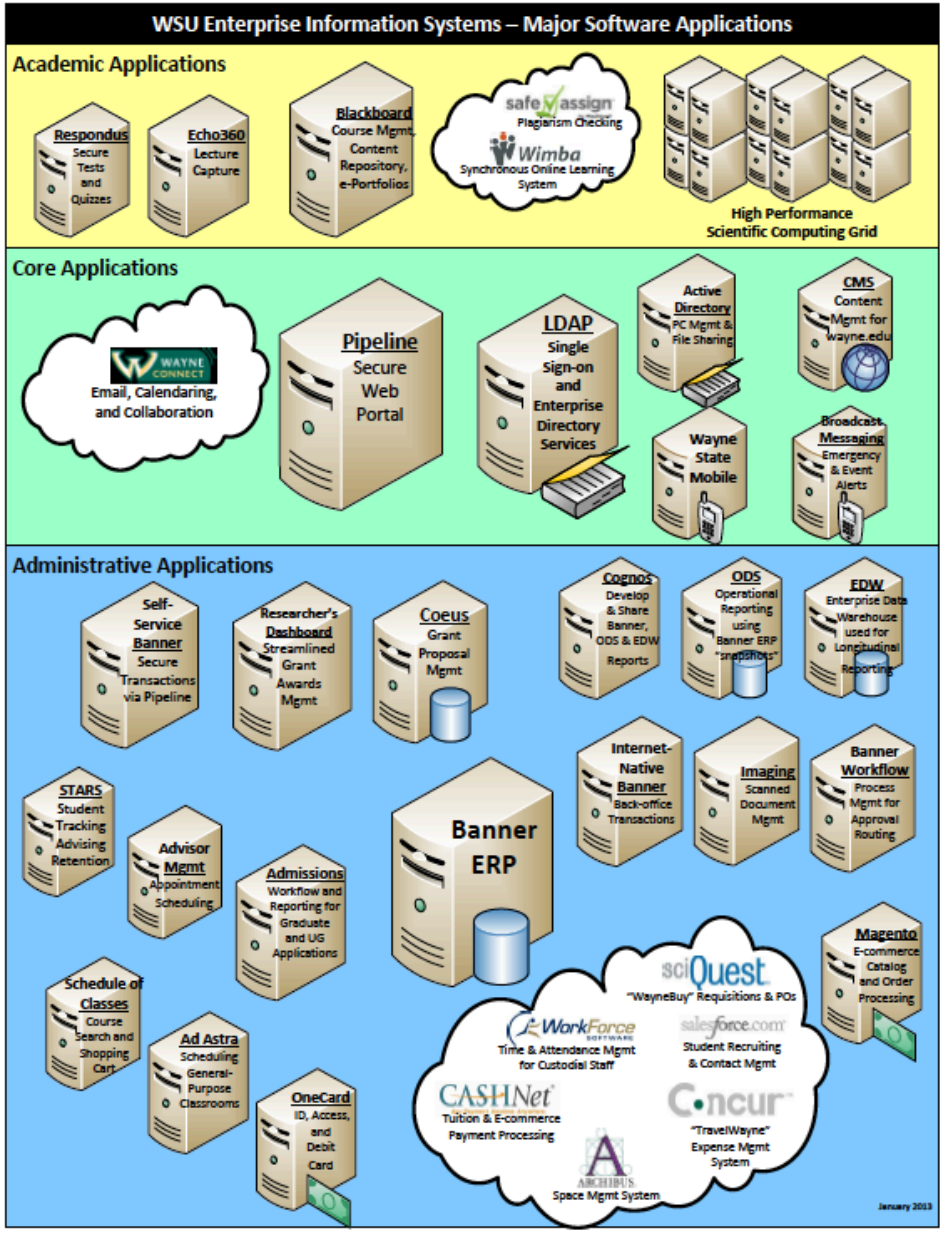
WAYNE STATE UNIVERSITY

Enterprise Systems Growth

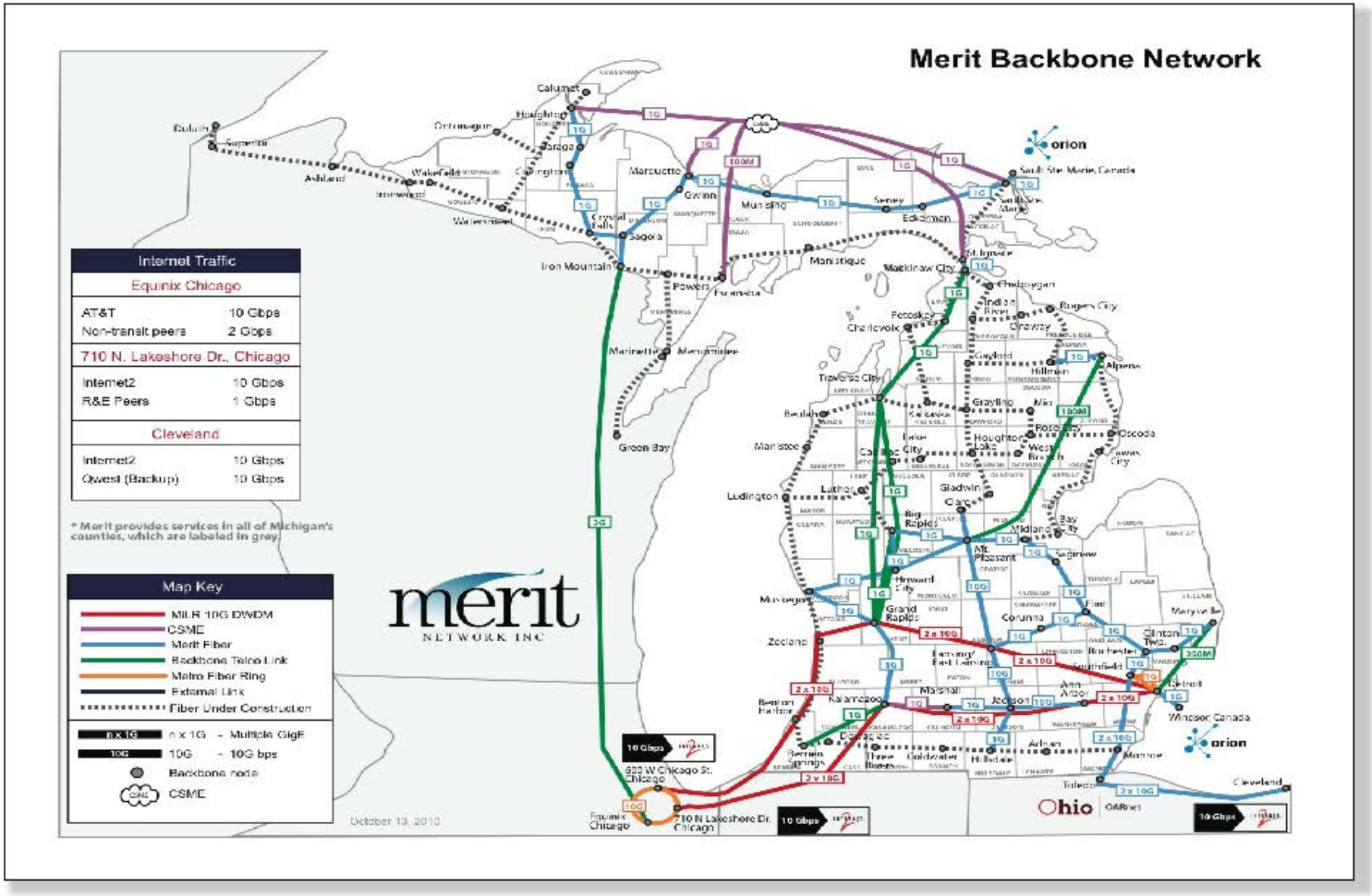
2007



2015



Statewide Collaboration and Merit Network



…Federal stimulus-funded expansion projects nearly complete

Teaching, Learning & Student Success

- Provost's Student Success technology initiative
  - *Degree Works* - degree pathway & progress dashboard
  - *Wayne State Advising Management System*
  - Electronic change of major
  - Advising early alerts & data analytics
- *Echo360* – classroom lecture capture video streaming system
- New C&IT Endowed Scholarship created in 2014

Research

- National Science Foundation - Cyber infrastructure grant for high-performance research network
- WSU Big Data Conference
- *Academica* tech commercialization
- Silicon Mechanics high performance scientific computing research cluster

- *Academica* enterprise social portal and new opportunities for inter-organizational collaboration
- M1 Rail Project – Working with M1 Rail, Merit and other community members to future-proof a digital Woodward corridor

Innovations and Recognitions

Broadcast Messaging Service

- Institutional Excellence Award for Communication Technology 2008

ACUTA ASSOCIATION FOR INFORMATION COMMUNICATIONS TECHNOLOGY PROFESSIONALS

Researchers Dashboard

- Campus Technology Innovators Award 2010
- Center for Digital Education Achievement Award 2010

CAMPUS TECHNOLOGY innovators

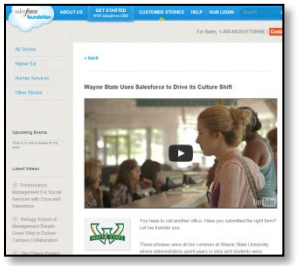
CENTER FOR DIGITAL EDUCATION

Graduate Admissions Automation

- Model of Efficiency Award 2011

UniversityBusiness SOLUTIONS FOR HIGHER EDUCATION MANAGEMENT

Salesforce Student Recruitment and Customer Service – national case study 2013

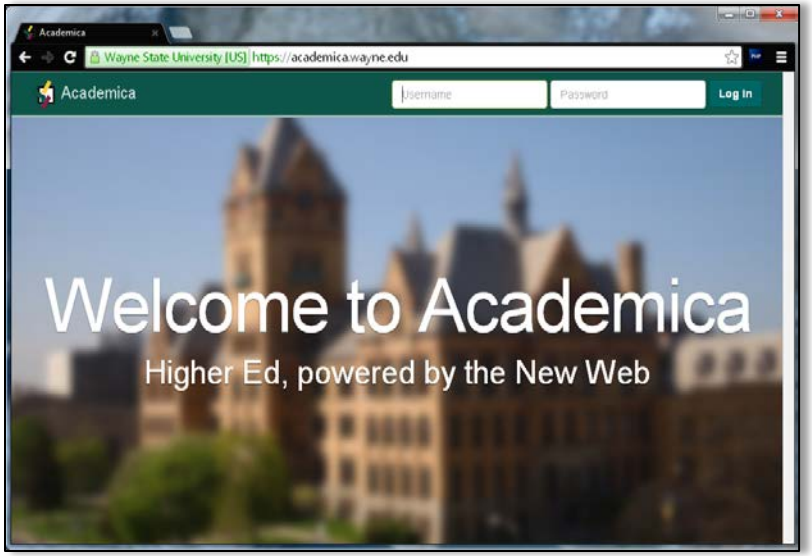


Academica Enterprise Social Portal – featured in "Campus Technology" magazine 2014

CAMPUS TECHNOLOGY

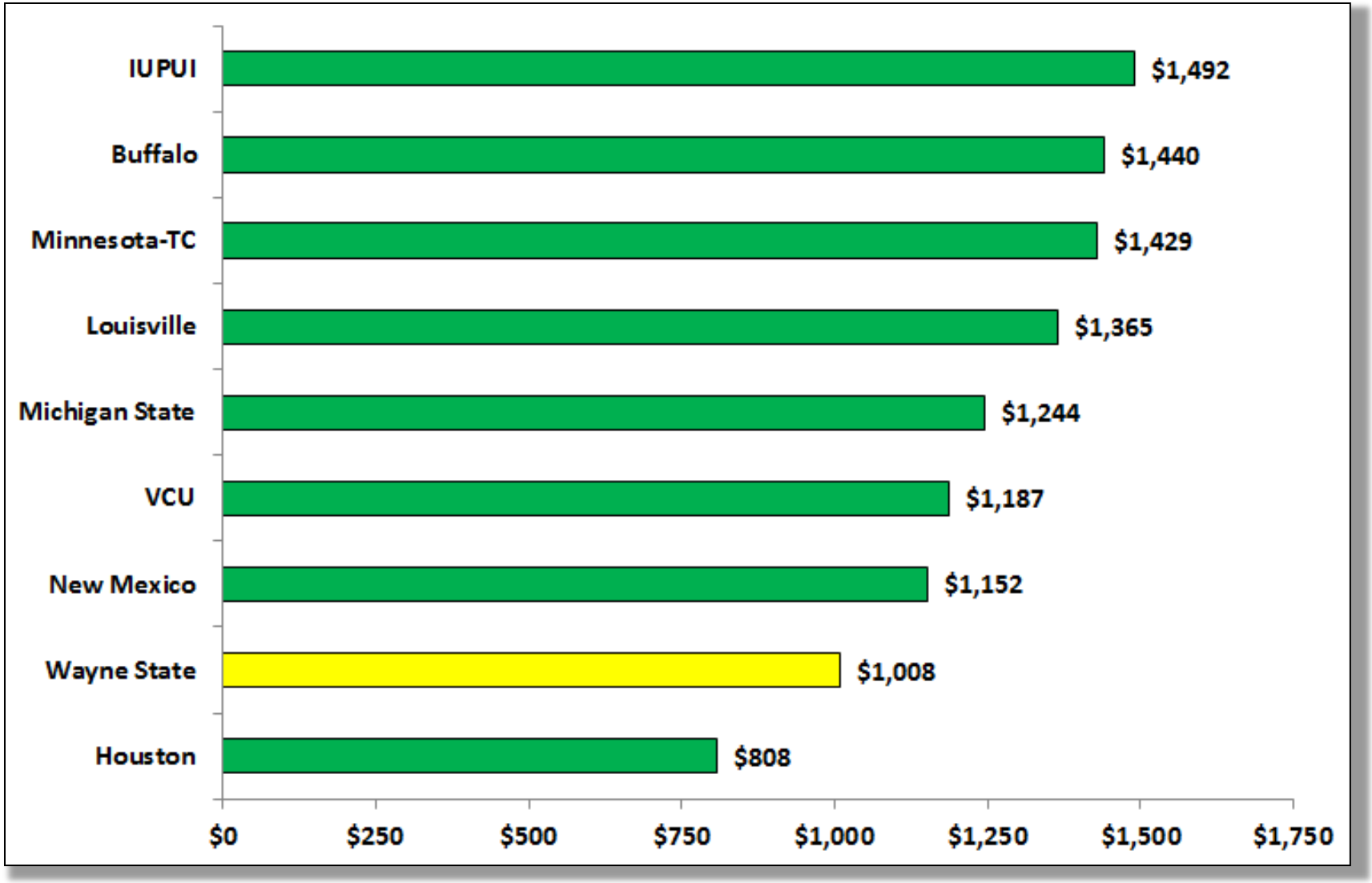
Future Plans and Digital Transformation

- Microsoft Office 365 for cloud email, document sharing and digital collaboration
- AT&T cloud-based digital phone system
- *Academica* – a new 21st century enterprise social portal built by WSU



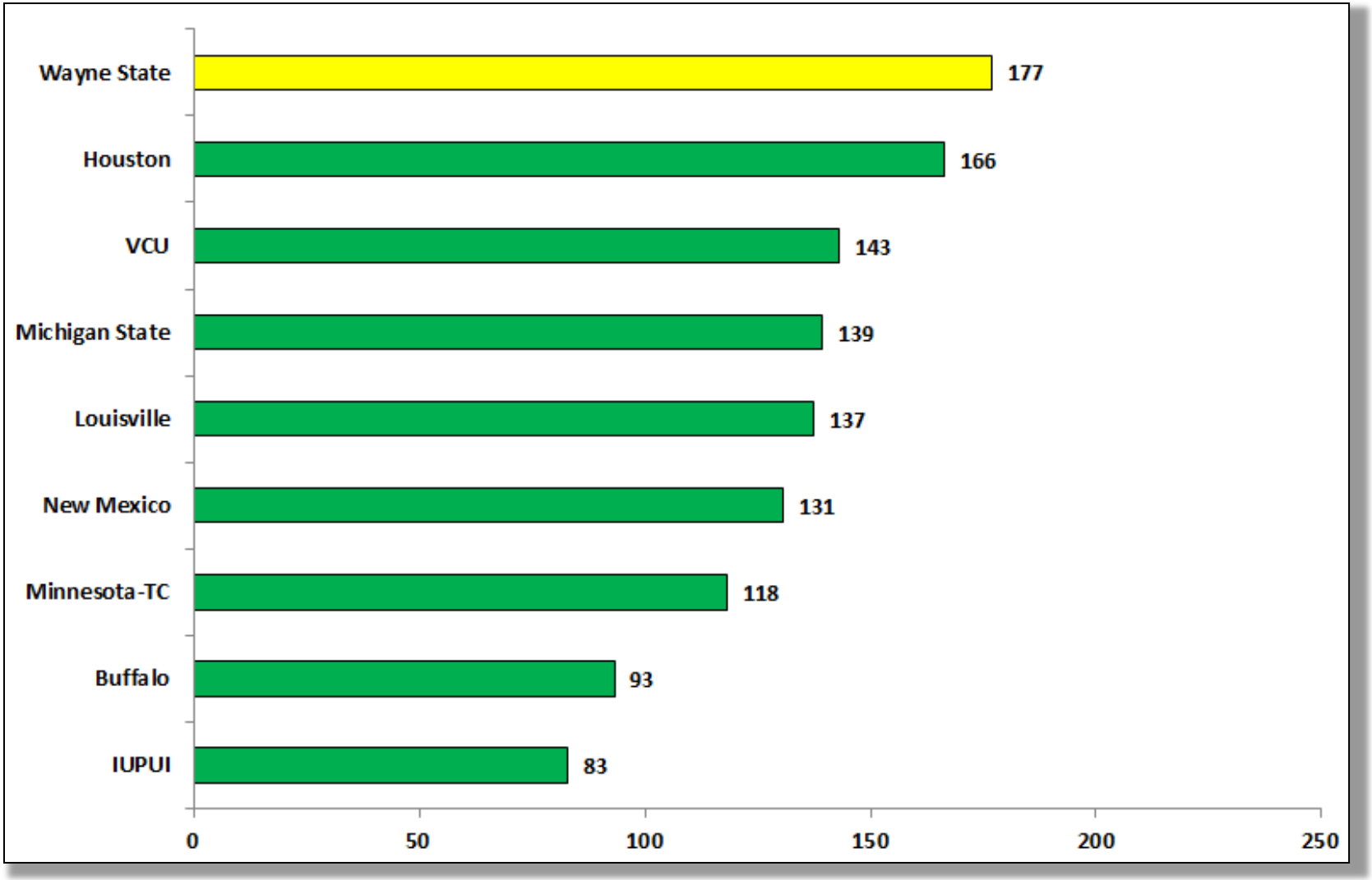
Peer Benchmarks

Enterprise IT Expenditures Per Community Member (student, faculty, staff)

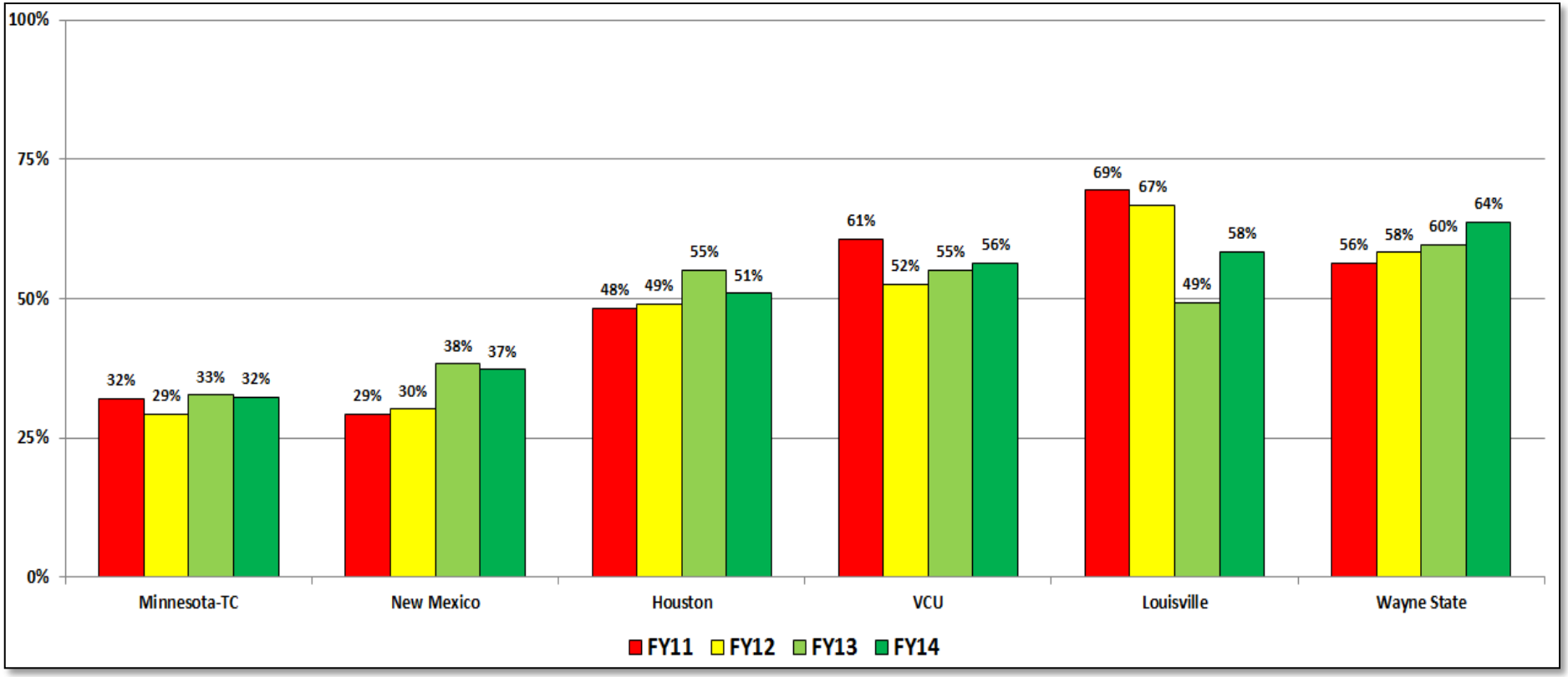


Peer Benchmarks

Community Member (student, faculty, staff) Supported Per Central IT Worker



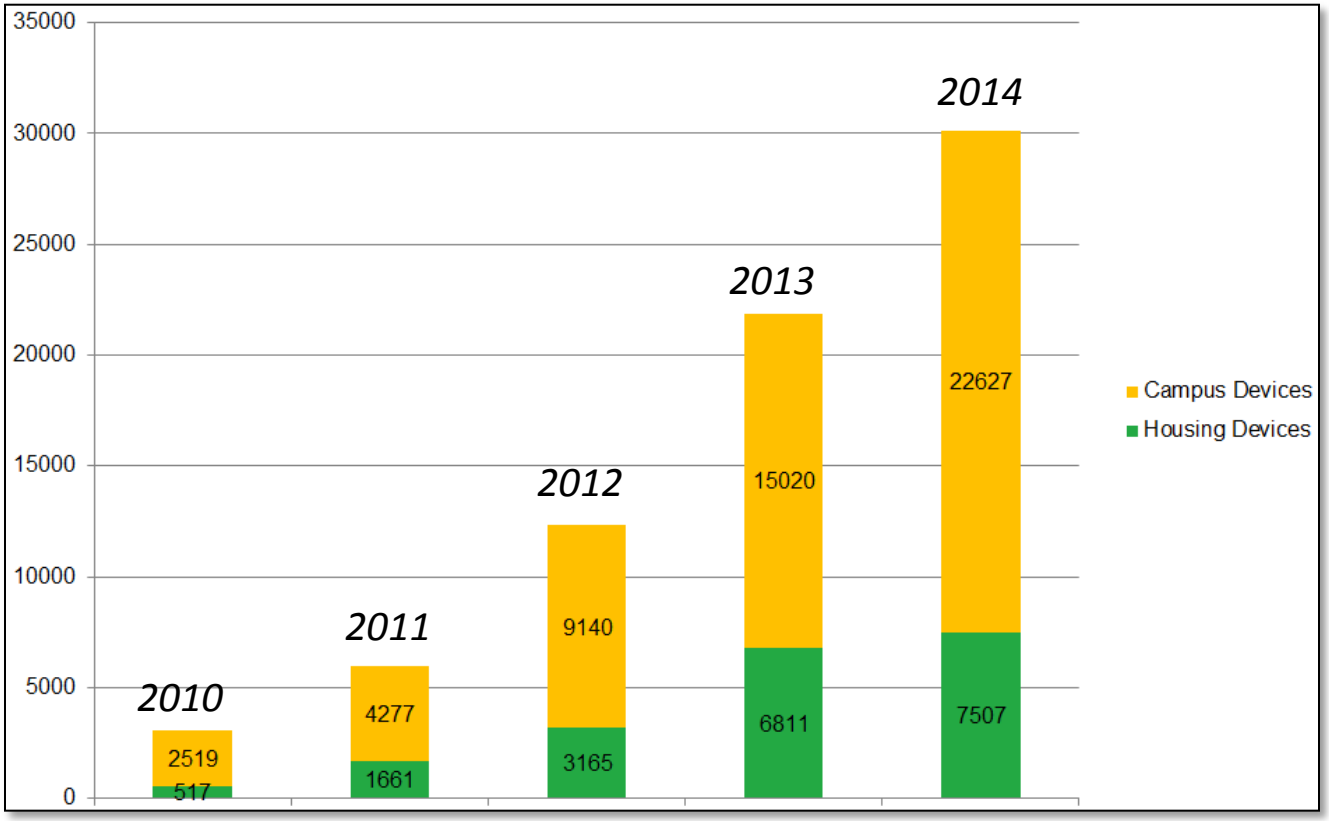
Percentage of Campus IT Staff in Central IT



Trends, Challenges and Future-Proofing

- Wireless networking – Wifi and cellular/broadband wireless demand growing faster than capabilities
- Growth in networked devices: tablets, smartphones, eBook readers, game consoles, TV's, watches, glasses, ????

Wireless devices at WSU first week of Fall semesters



- Cyber Security – threats real and growing for higher education

Q&A