



Research infrastructure in the United States Overview and Examples

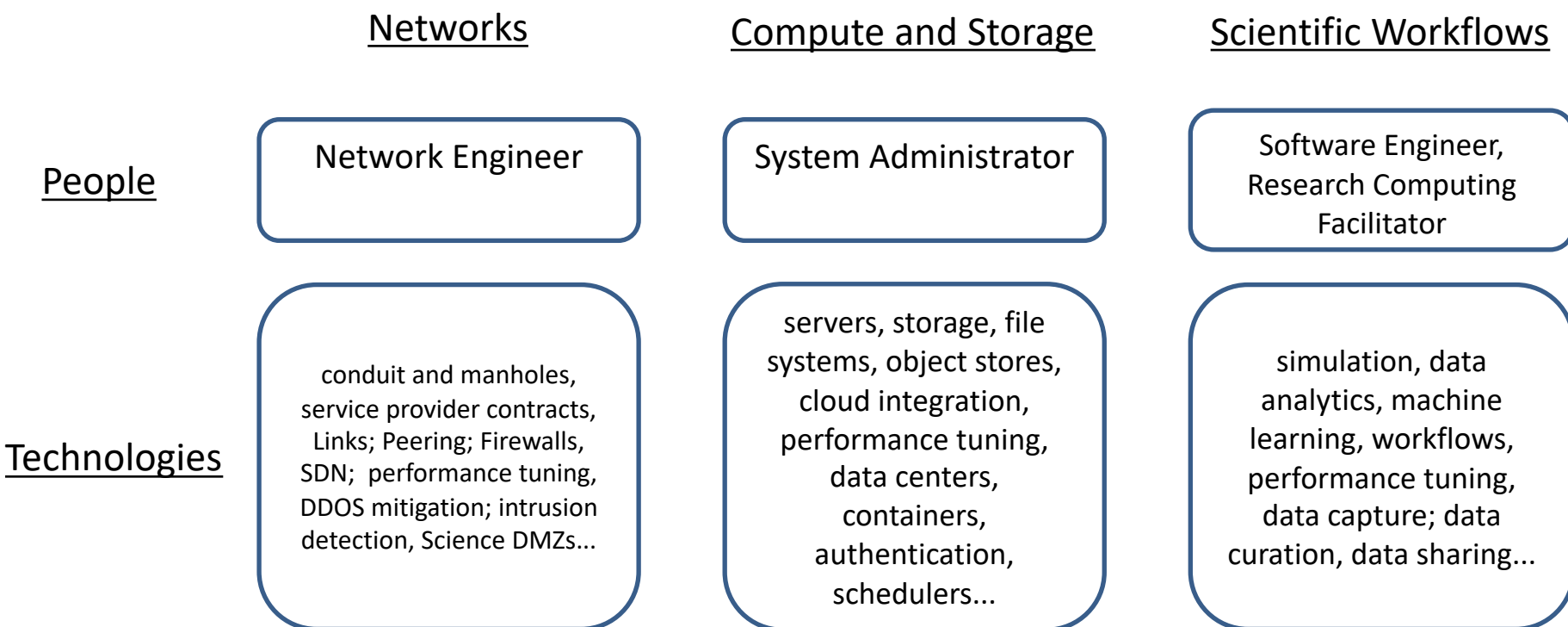
John Goodhue May 27, 2019



Northeastern



Digital Research Infrastructure



Network Infrastructure

- Campus Examples
 - MIT
 - University of Vermont
- Statewide Examples
 - Connecticut Education Network
 - California Research and Education Network
- Regional
 - Northeast Research and Education Network
 - Great Plains Network
- National
 - Internet 2
 - ESNET

Compute and Storage Examples

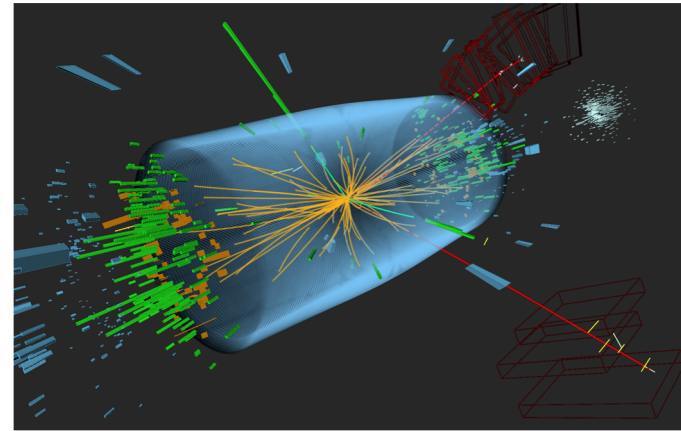
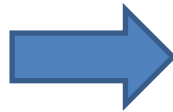
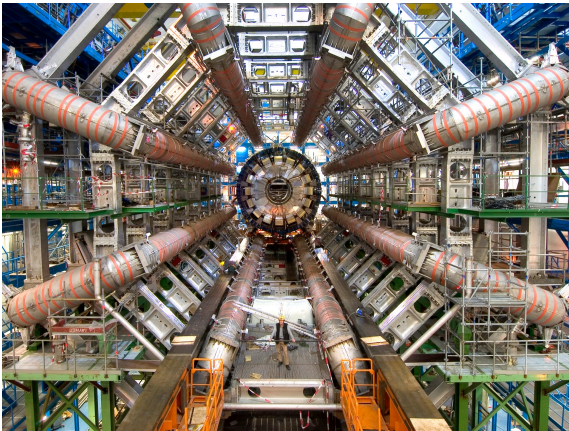
- Campus Example
 - Harvard FAS
 - Stonehill College
- Regional Examples
 - MGHPCC
 - Northeast Storage Exchange
 - Pacific Research Platform
- National Examples
 - Department of Energy Labs
 - National Science Foundation Supercomputer Centers
 - Open Storage Network
 - Commercial Cloud Services

People

- Campus Examples
 - Harvard Women in Technology
- Regional Examples
 - Northeast Cyberteam
- National Examples
 - National Data Service
 - Open Science Grid
 - CaRCC
- Regional/National Examples
 - Campus Champions

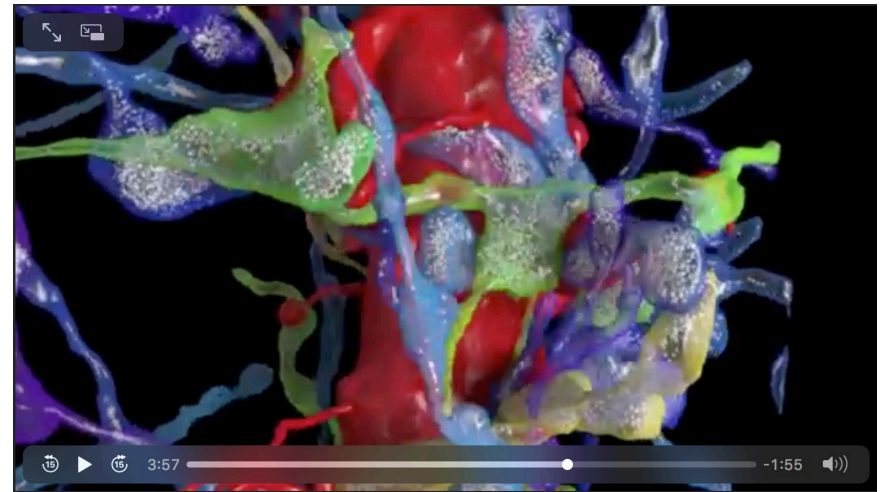
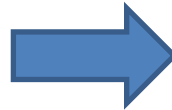
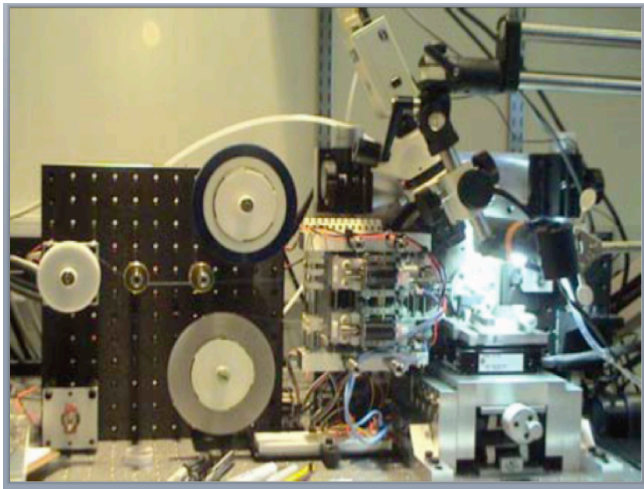
ATLAS

*particle detector experiment at the Large Hadron Collider
observe previously unobservable physical phenomena*

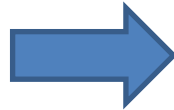


Lichtman Lab

*research laboratory at Harvard University
understand development of neural circuits*



*venture-funded startup
physics driven drug discovery*



MBTA

state agency in Massachusetts
data-driven transportation planning

