



Welcome!

Sustainable Funding and Business Models for Academic Cyberinfrastructure (CI) Facilities Workshop II





Thank you!



National Science Foundation



Cray



DataDirect Networks



Dell







Workshop Goals



- Good: Capture key sustainability challenges
 - Take notes!
 - Tell us what you feel are the most important points
- Better: Share each others pain
 - It feels good to know we aren't alone!
- Best: Share solutions
 - There are no perfect solutions that work everywhere
 - Sharing what works at your institution provides ideas that may be leveraged by others





10 "Plagues" of CI Sustainability



- Sustainability challenges often feel biblical in proportion
- Just when you thought it was over....
- We don't have Moses to lead us to the promised land





Water to Blood



- Funding
 - Shrinking budgets
 - Increased competition
 - Changing priorities



- Have we become mundane/non-strategic?
 - How do we remain relevant?
 - What is our value proposition?
- Collaboration is essential
 - We can't do it a alone
 - Leveraging National CI is an important part of the story





Frogs



- Workforce development
 - Educating the workforce
 - Promoting what we do with students
 - Providing stable/interesting positions







Lice



- Measuring return on investment
- Measuring cost avoidance
- National competitiveness
- Economic development



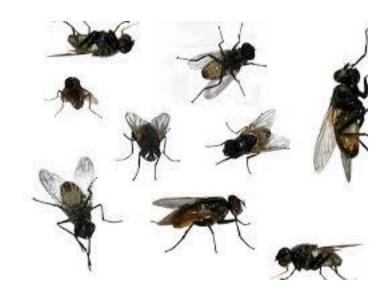




Flies



- Big Data
 - Buzz!
 - Big costs
 - Big opportunities
 - The Best Buy challenge
 - New tools and techniques





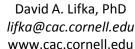


Pestilence



- Security
 - Securing our resources
 - Raises costs of doing business
 - Secure data applications
 - Staff and resources to combat hackers









Boils



- Disruptive technologies
 - Cloud
 - New computing technologies







Hail



- Natural disasters
 - Redundancy costs
 - Disaster recovery costs
 - Lost productivity







Locusts



Users

- Wants & needs, why split hairs?
- "Free" is hard to sustain
- Everyone is top priority
- Very little pain tolerance







Darkness



- Facilities
 - Power
 - Space
 - Cooling
 - Physical security
 - Connectivity







Death of the Firstborn



- Succession planning
 - Who will fill our shoes?
 - How do we leave our positions better than we found them?







Panel <u>Discussions</u>



- Workshop is being recorded
- 10-15 minute "Lightning talks"
- Meant to prompt discussion/not lecture
- Moderators will:
 - Help panelists be conscious of time
 - May request that a discussion be tabled
- Audience
 - Participate!
 - Introduce yourself when you take the microphone

