



# 2015 GLOBAL SUMMIT

APRIL 26-30 WASHINGTON DC

## **BE A HERO: ENABLE AND MAXIMIZE THE VALUE OF IDENTITY FEDERATION**

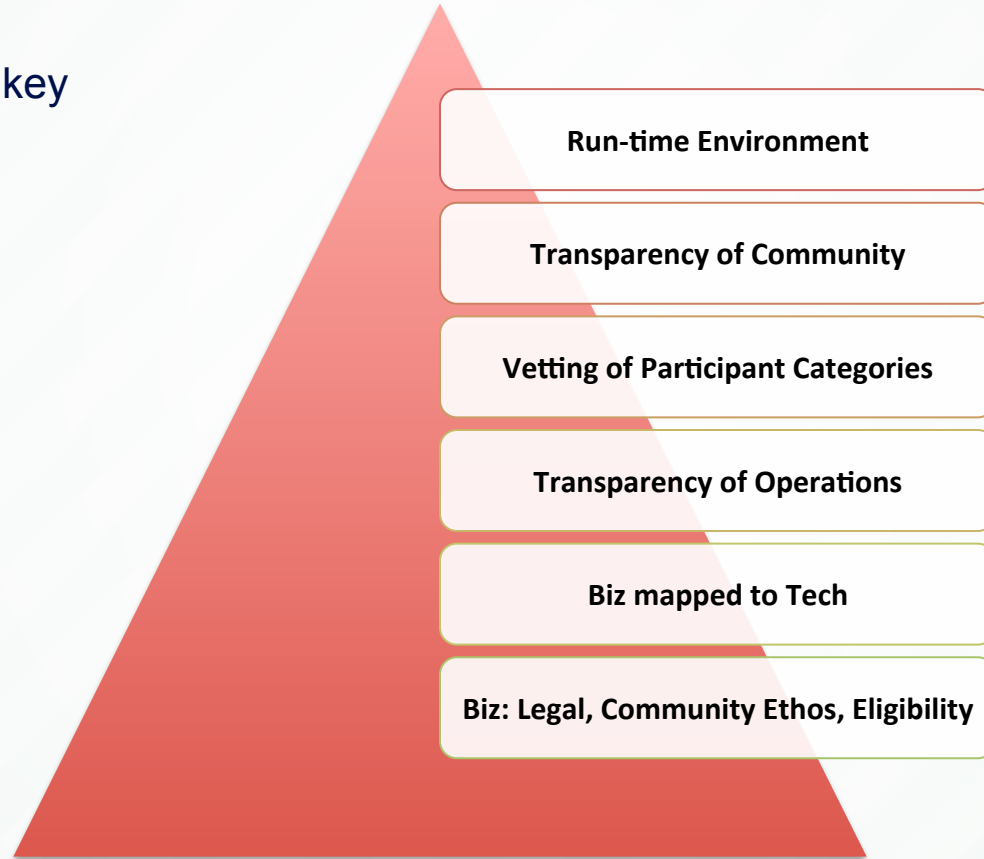
April 28, 2015

Ann West, Internet2, moderator  
Mark Scheible, MCNC  
Jacob Farmer, Indiana University  
Tom Mitchell, GENI Project Office



# InCommon Today: Trust Model

- Shared Risk is key



# Challenges....or Opportunities?

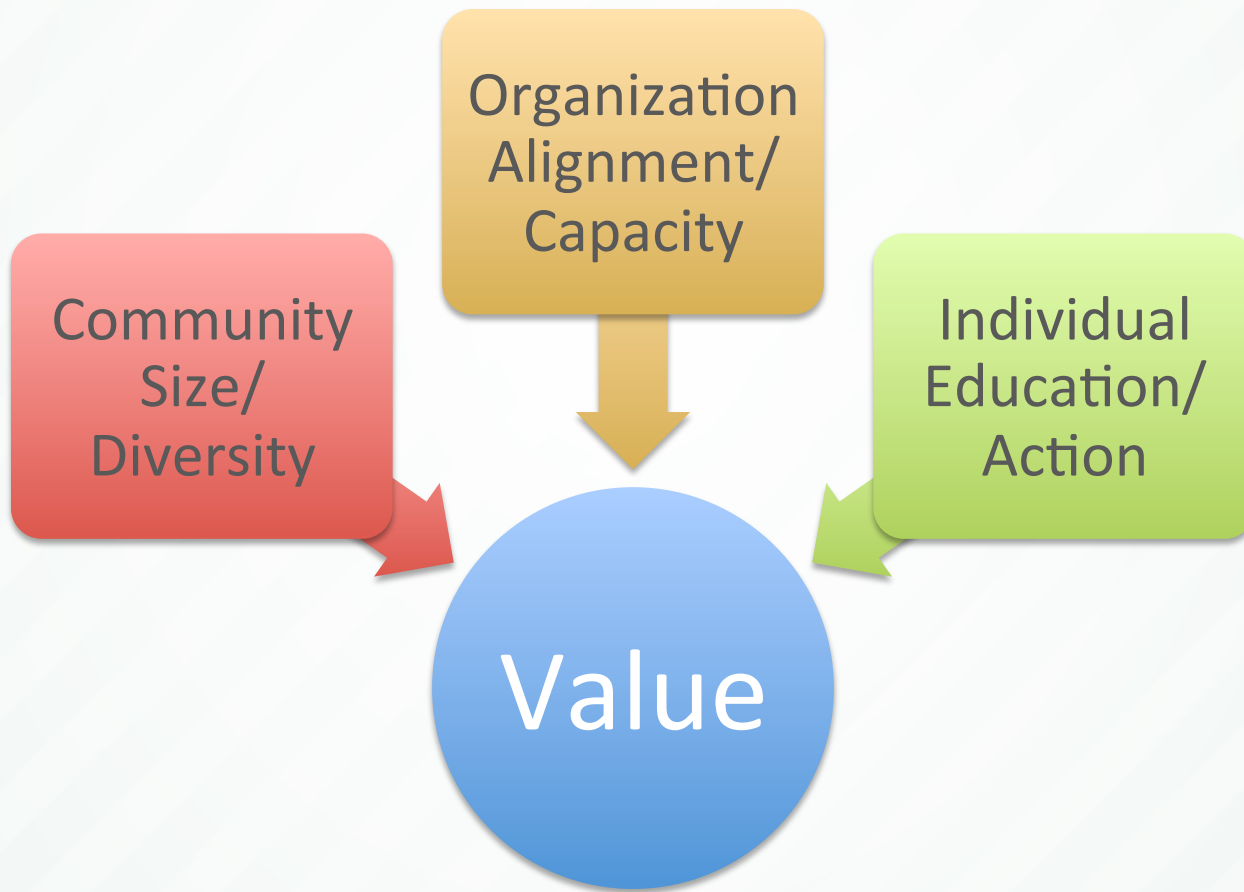
Org 2 Org  
Relationship

Maximum  
Local  
Flexibility

Community  
Transparency



# What's the Challenge for Identity Federations?



# How to Be a Hero

- K12 and Community Colleges – Mark Scheible, MCNC
- Making federation safe for your users – Jacob Farmer, Indiana University
- Enabling Research – Tom Mitchell, BBN Technologies and GENI



# Scaling Federation to Community Colleges and K-12

Mark Scheible  
MCNC



# Scaling Federation to Community Colleges and K-12

- The Challenge

- The current InCommon business model for federating universities does not scale well for large numbers of smaller institutions
- Including these smaller institutions has not been technically or financially viable until now
- Opportunities and benefits for these organizations (and CC Systems or State DPI) are huge

- A Solution

- The Regionals (RENs, RONS, R&E Network Providers) in most cases already have working relationships with these organizations in providing network/backbone connectivity
- Many Regionals also provide other services “above the network” including firewalls, content filtering, server and application hosting, and other resources
- Extending Federation Services to these smaller organizations using the Regionals seems like a logical path to a broader federated community
- The Quilt began a number of K-12 Federation Pilots in 2013
- Various Business Models were developed with one currently being piloted between InCommon and MCNC



# Assurance and Scaling the Trust Fabric

Jacob Farmer

Indiana University

Chair, InCommon Assurance Advisory Committee





## Assurance and Scaling the Trust Fabric

- Establishing substantial trust between an IdP and SP requires a lot “legwork”
  - You can review the POP (anyone here done that?)
  - You can establish a contract or MOU
  - You can have a long conversation about how to behave
- This doesn't scale. This is a job for Standards.
- Bronze and Silver were a good start, but....
- The Standards we really need are more and smaller.



# Enabling Research and Scholarship

Tom Mitchell  
BBN Technologies and GENI Project Office



# Be a Hero to Your Researchers: Faculty, Staff, and Students



- **Take Advantage of Federation, Maximize Benefit**
  - Provide access to resources for Research and Scholarship
  - Enable the Research and Scholarship category in your Identity Provider
- GENI: Global Environment for Network Innovation
  - Free platform for research
  - Unique networking capabilities; deeply programmable
  - A research cloud
  - Global in scope and usage
  - Used in the curriculum at 28 universities world-wide
- GENI is 1 of 33 Research and Scholarship service providers
  - **Why is your campus missing out?**



# Q&A / Panel Discussion





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