

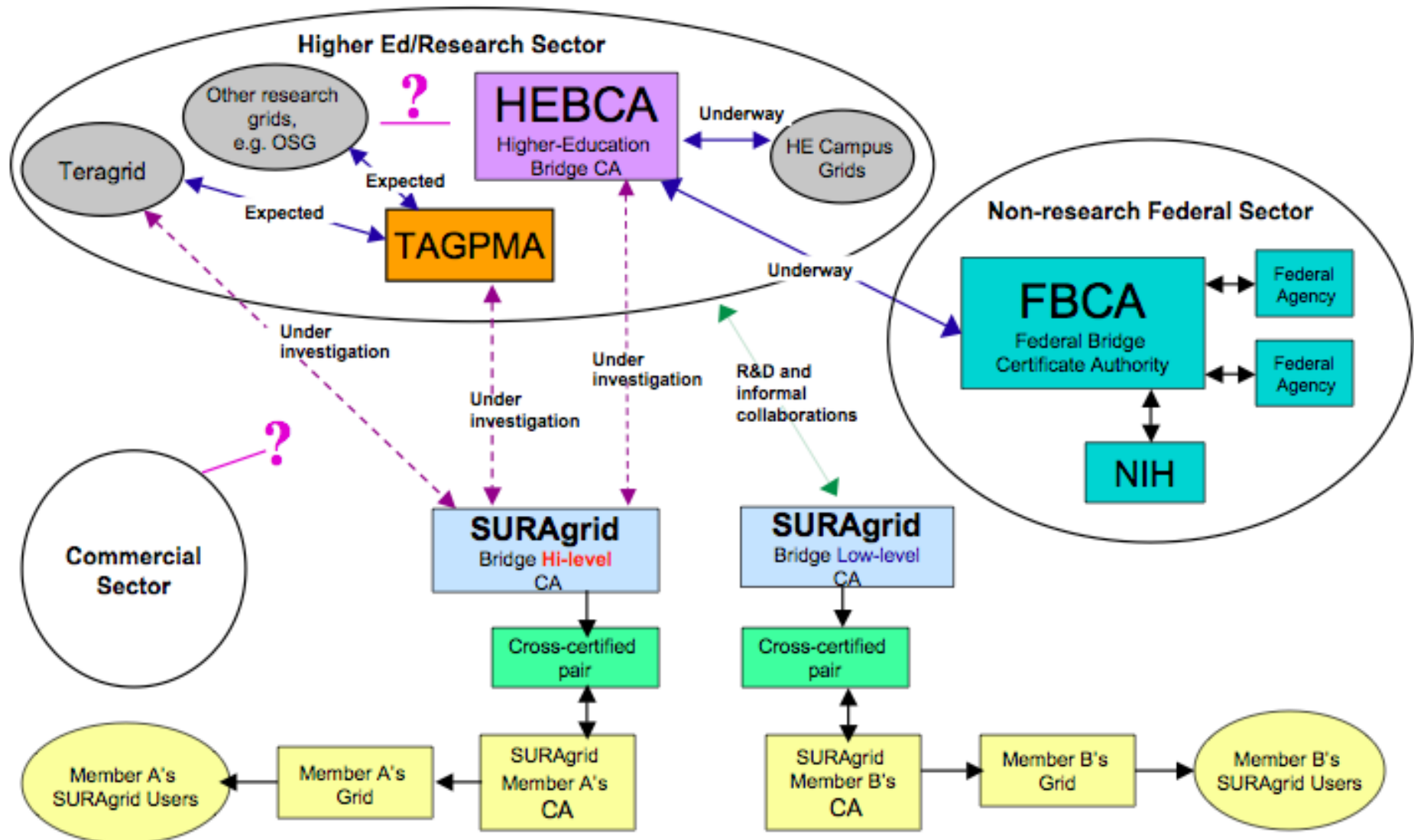
Thoughts on Integrated Identity

SURAgriid All-Hands Meeting
March 28, 2008

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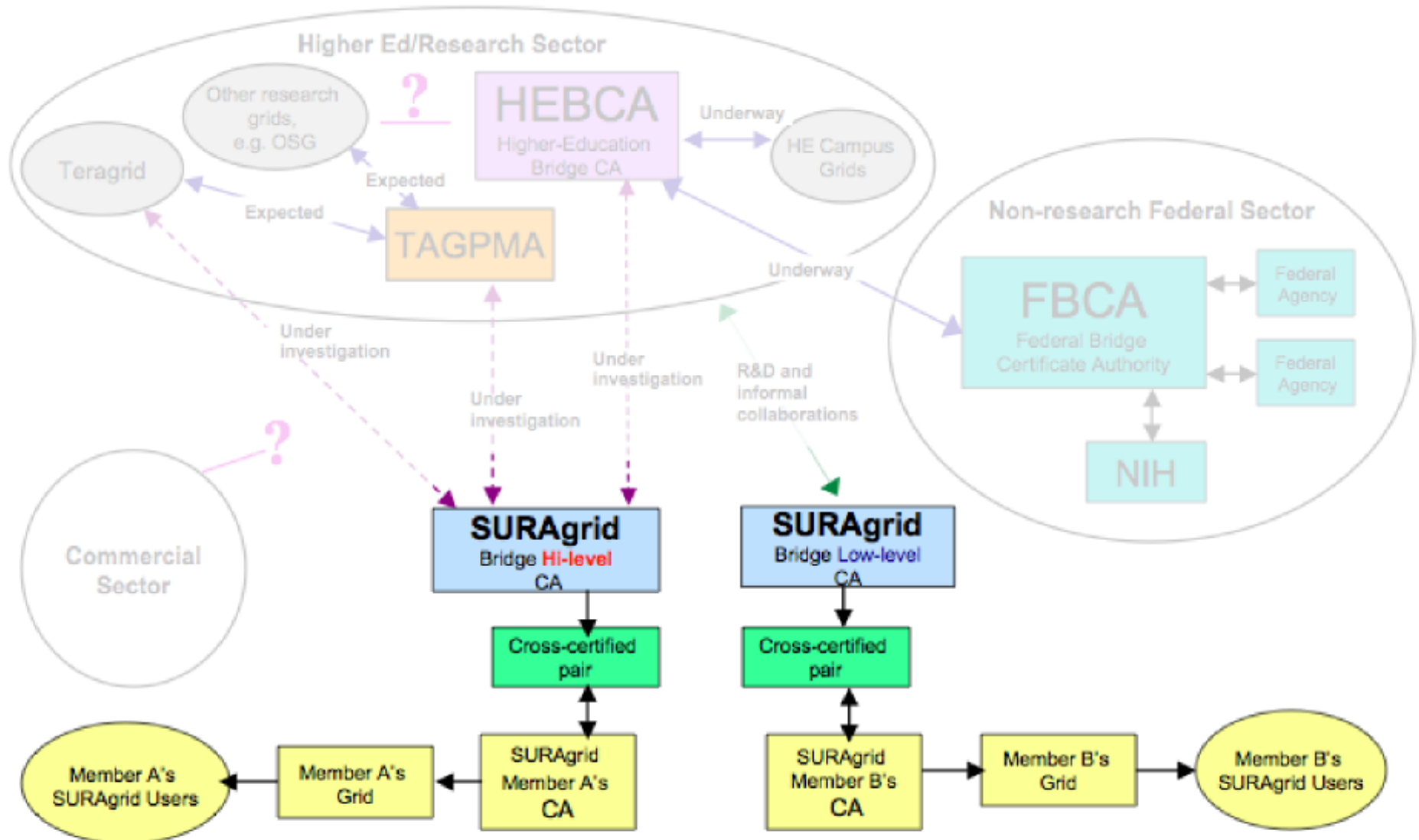
Initial SURAggrid Identity Trusts

Integration with Trust Mechanisms Used in Other Sectors



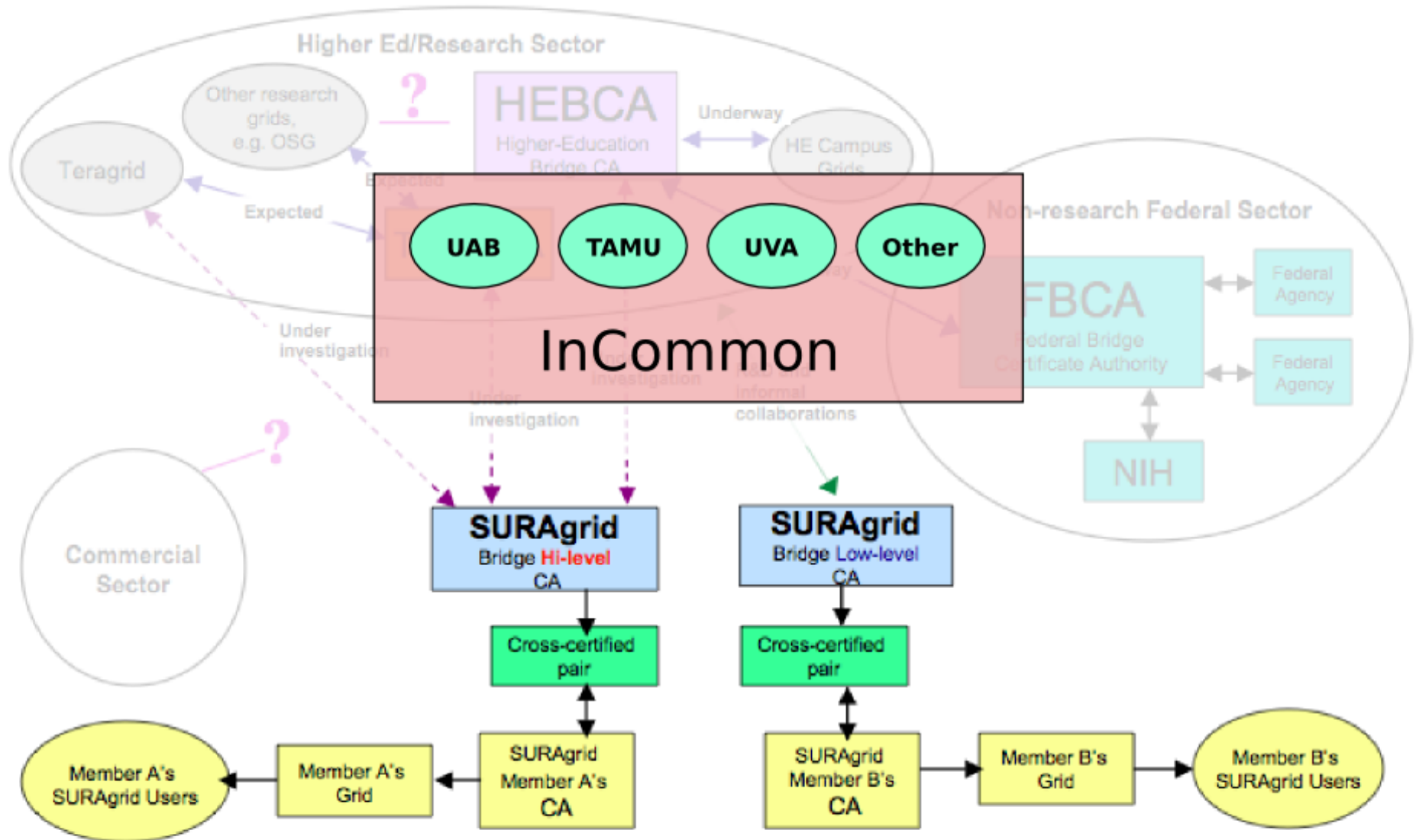
PKI Trusts Pending

Integration with Trust Mechanisms Used in Other Sectors



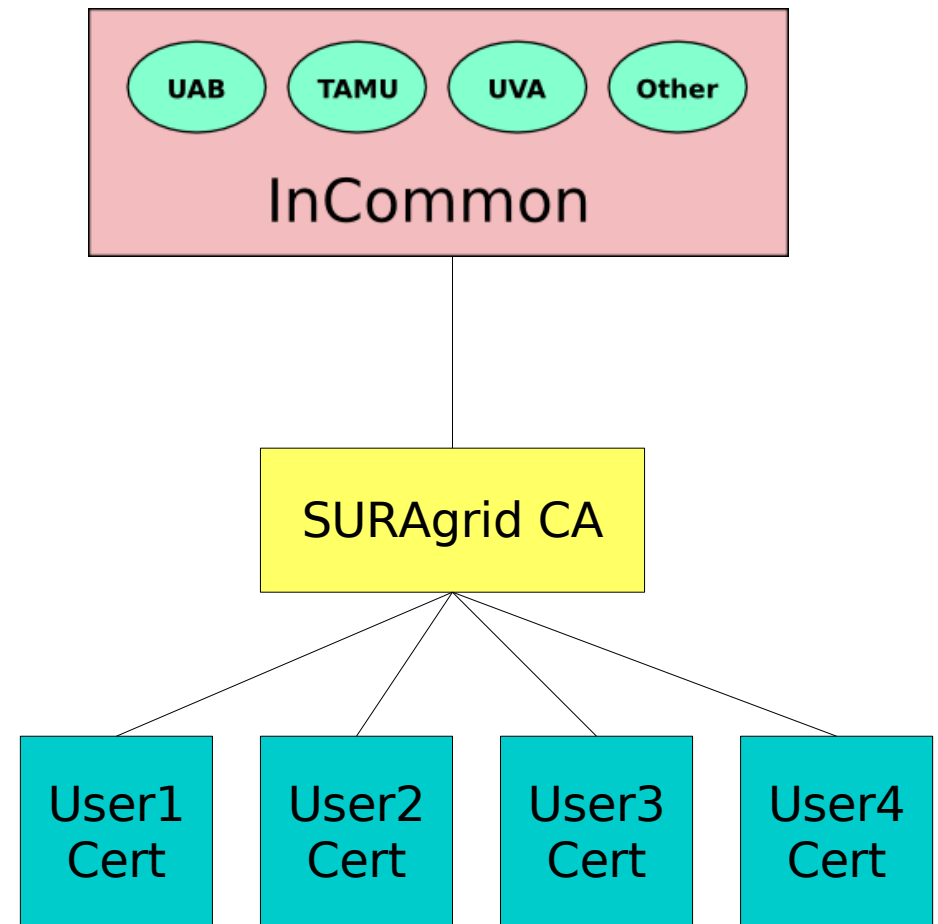
Trusting InCommon

Integration with Trust Mechanisms Used in Other Sectors



A Starting Place

- SURAgrid CA provides certificates for non-CA operating sites
- Leveraging InCommon for SURAgrid CA provides identity source for issuing certificates

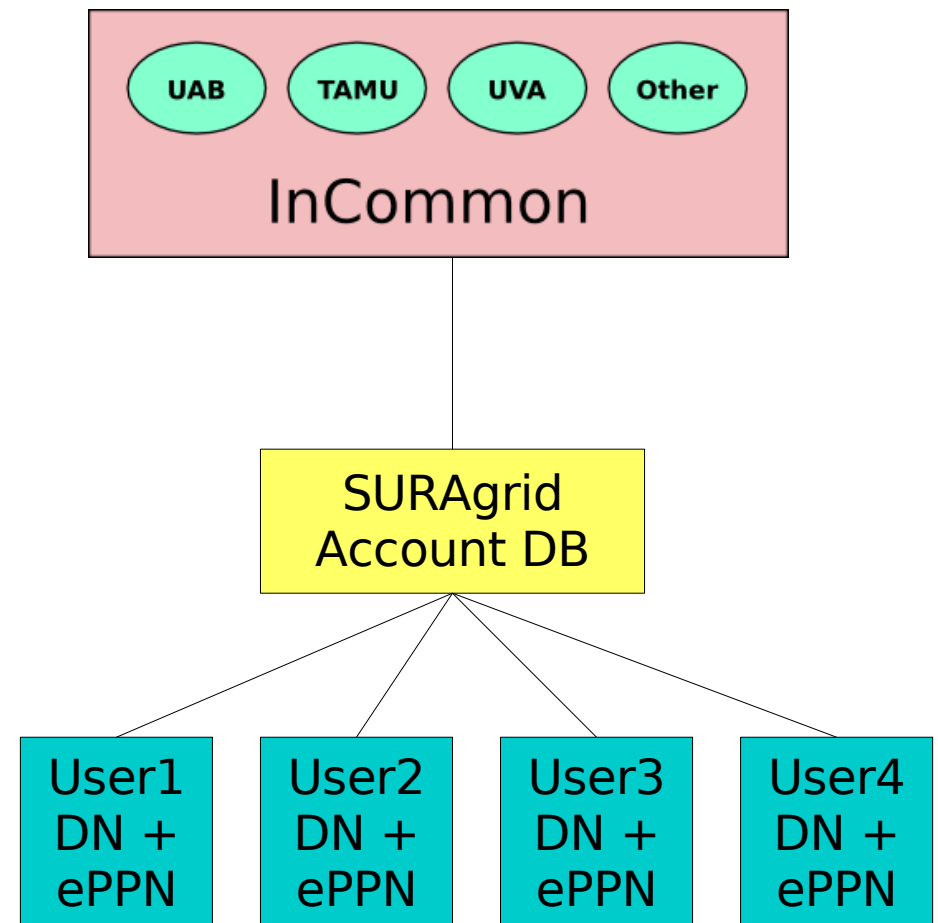


Potential for Impact

- In InCommon & in SURAGrid:
 - University of Alabama at Birmingham
 - Clemson University
 - University of Maryland
 - University of Maryland Baltimore County
 - The University of Michigan
 - Old Dominion University
 - University of Southern California
 - Texas A & M University
 - University of Virginia
- In InCommon & *SURA* members, but not participating now in SURAGrid:
 - College of William and Mary
 - Duke University
 - Emory University
 - Florida State University
 - Georgetown University
 - James Madison University
 - University of Richmond
 - Virginia Commonwealth University
 - Virginia Polytechnic Institute and State University

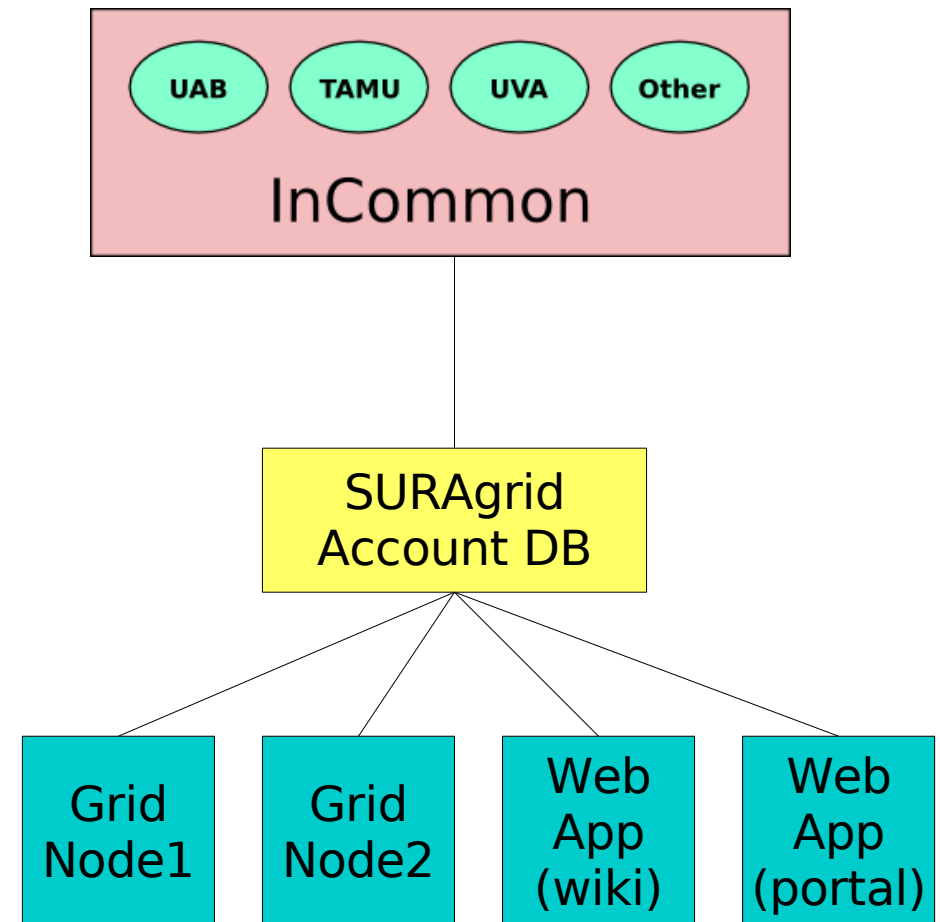
Extending Certificate Identity

- SURAgrid account DB stores DN information for users
- Associating InCommon user identity (ePPN) with DN used on SURAgrid can expand service range to web apps



Using Identity for Grid and Web

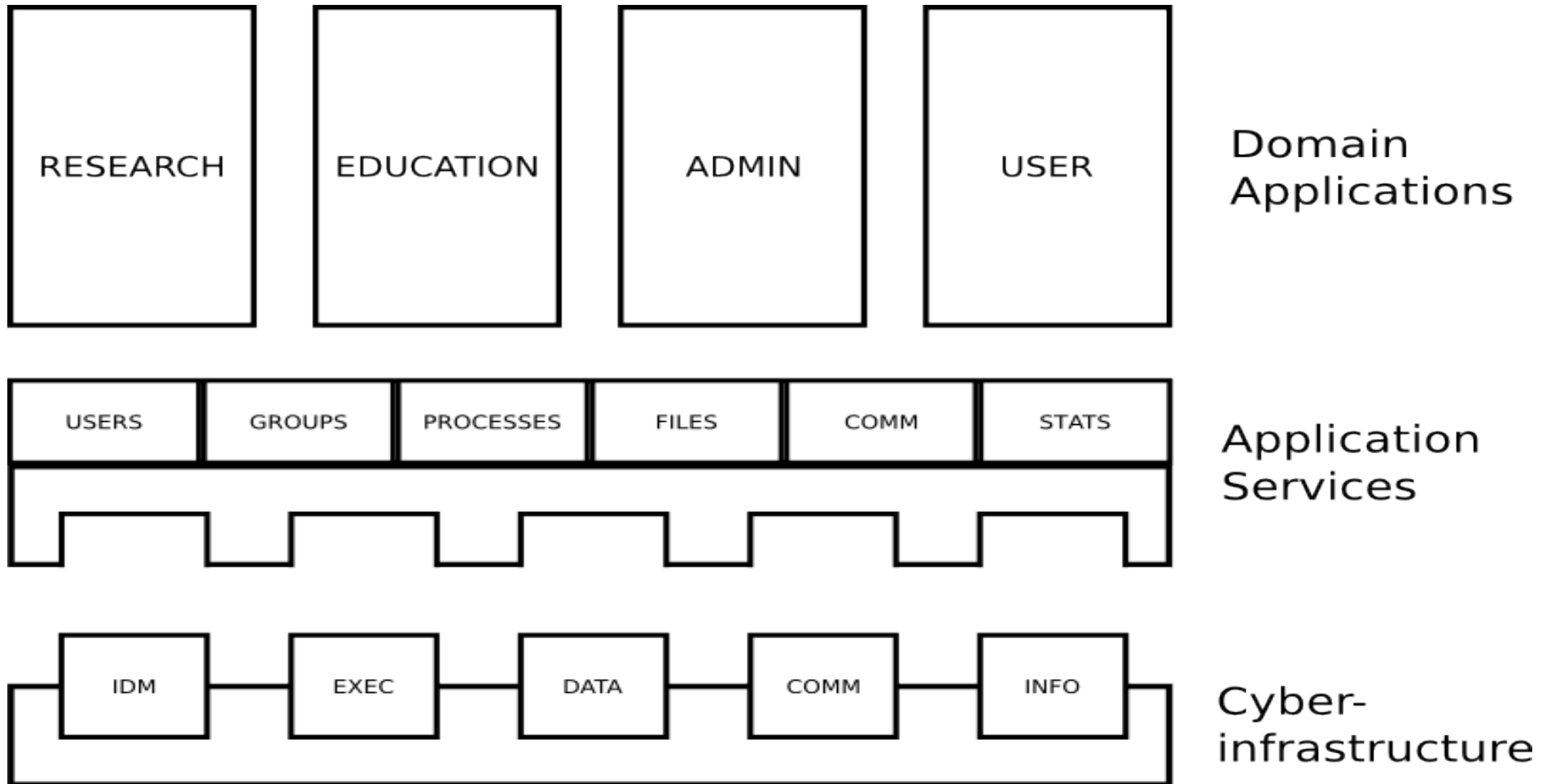
- SURAGrid identity information available via SAML (GridShib & Shibboleth)
- Grid resources and web resources can have common understanding of identity
- Identity naturally extends to use in group definitions



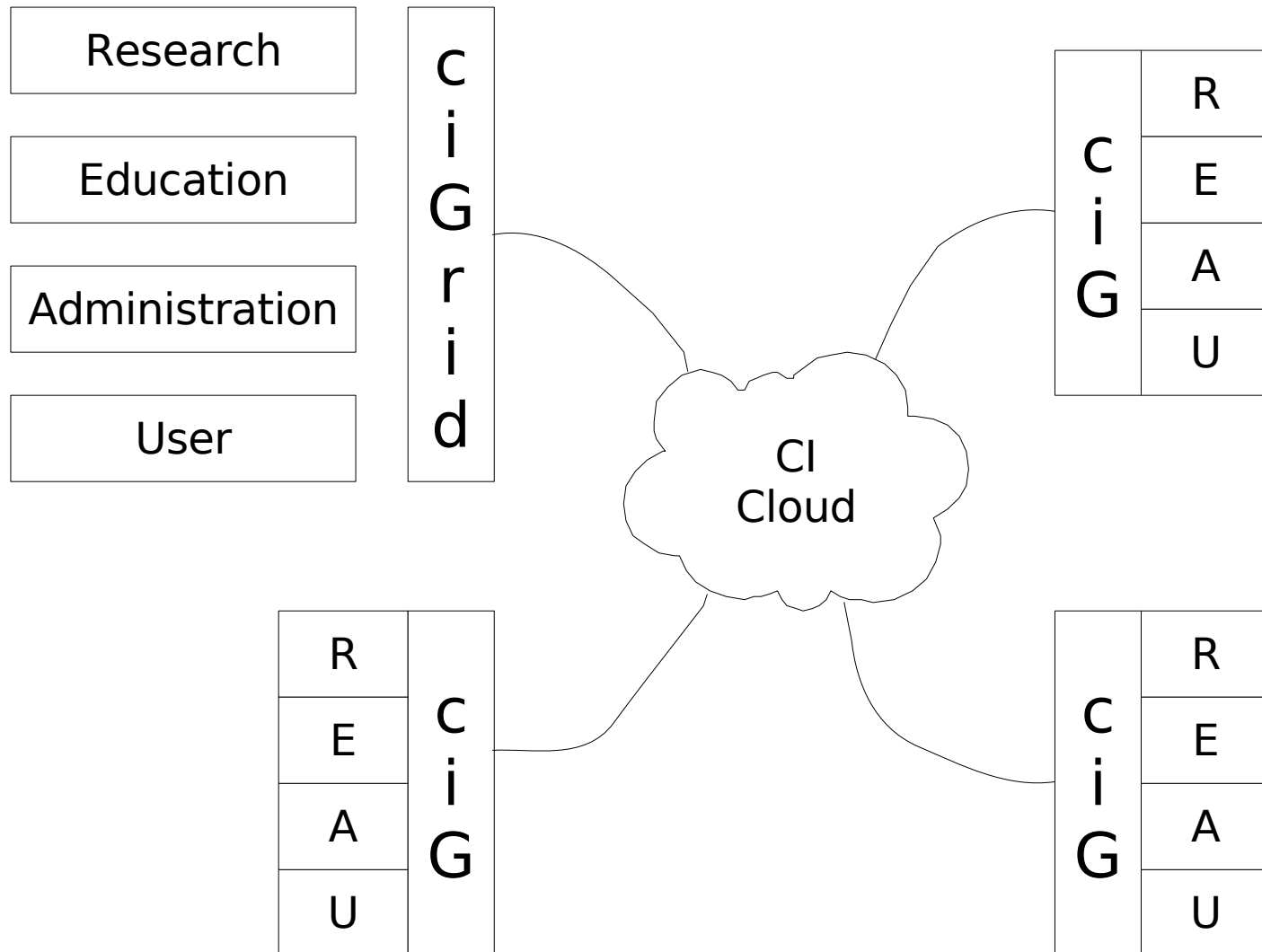
Others Exploring Similar Models

- caBIG – GAARDS authn/z infrastructure
 - <http://www.cagrid.org/mwiki/index.php?title=GAARDS:Main>
- SWITCH
 - <http://www.switch.ch/aai>
- D-Grid
 - <http://epic.awi.de/Publications/Gie2007a.pdf>
- TeraGrid
 - <http://grid.ncsa.uiuc.edu/presentations/tg-nov06.ppt>
- UABgrid
 - http://www.uab.edu/it/CyberInfrastructure/Cyberinfrastructure_v2_4.ppt

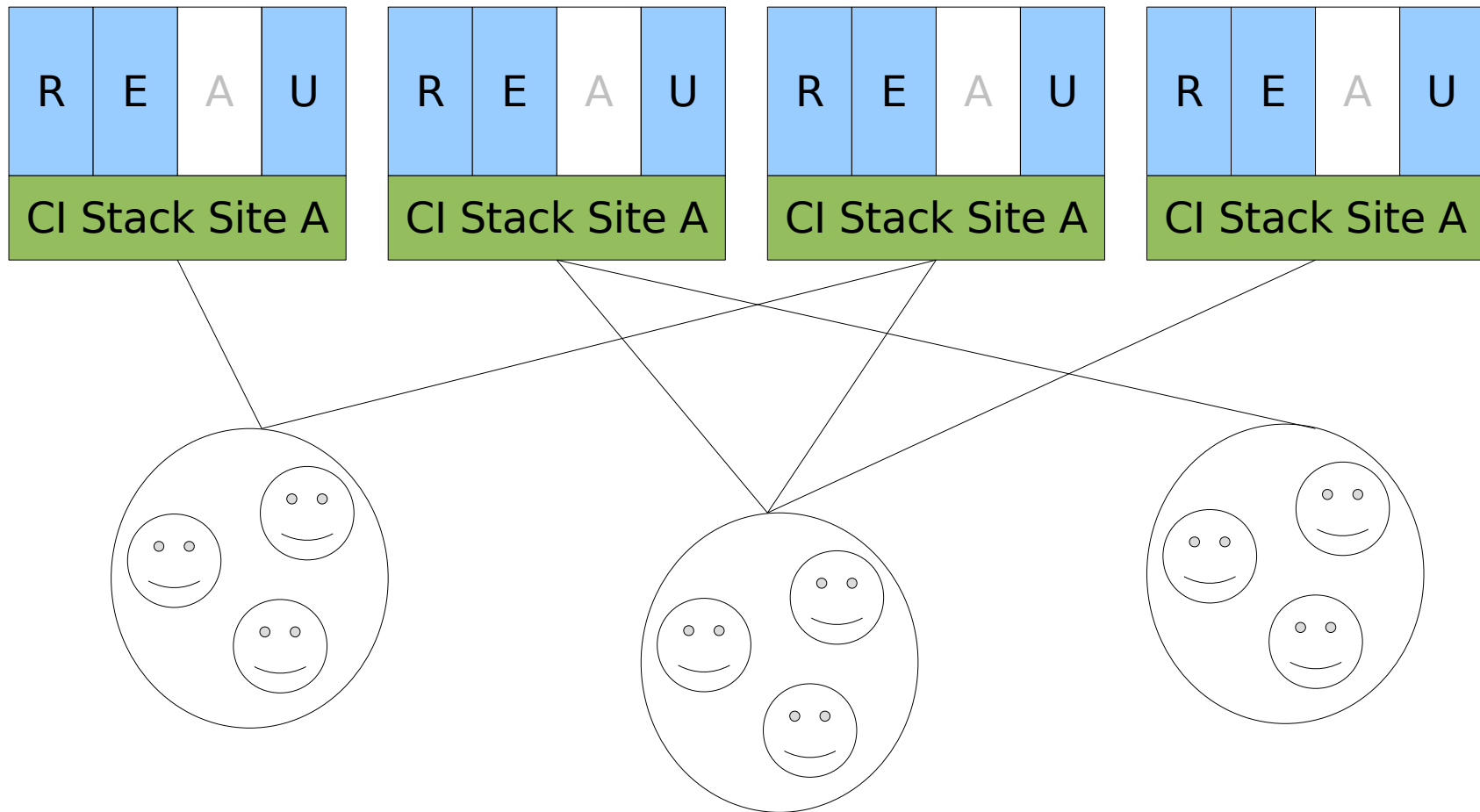
Toward A Cyberinfrastructure Stack



Utility Computing Cyberinfrastructure



Users Access Services Across Sites - SURAggrid focus on REU



Acknowledgments

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 - Jim Jokl <jaj@virginia.edu>
 - Steve Johnson <steve@math.tamu.edu>
 - Mary Fran Yafchak <maryfran@sura.org>