

CHICAGO

MARCH 4-7

INTERNET2

2024 COMMUNITY exchange

InCommon Futures2

What's next for InCommon?

Marc Wallman, CIO and Vice President Information Technology, North Dakota State University
Kevin Morooney, VP Internet2, Trust and Identity Services & NET+ Cloud Services



We're here to answer the hard questions today



- Why “Futures2” ?
- “The” presentation
 - Why this matters
 - A way to think about the project
- Our approach to action
 - Early action areas



What is “InCommon Futures2”

InCommon Futures2...

...is a project being undertaken by the InCommon Steering Committee to help guide a vibrant future for InCommon.



InCommon Future Report and Recommendation

Presented to the Internet2 Board of Trustees, July 2009, for discussion

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https://incommon.org/wp-content/uploads/2019/04/InCommonFuture_20090701.pdf

- Brand recognition and confusion for InCommon, Internet2, and transitioning projects

11. The InCommon Future Group

Amy Philipson, Pacific NW Gigapop, (Internet2 AMSAC)

Chris Shillum, Elsevier, (InCommon Steering)

Clair Goldsmith, UT System, (InCommon Steering)

Cliff Lynch, CNI, (Internet2 RAC)

Doug Van Houweling, Internet2 CEO

Jack Suess, UMBC, (InCommon Steering, Internet2 AMSAC)

John Krienke, Internet2, InCommon

Ken Klingenstein, Internet2, U Colorado, (InCommon Steering)

Kevin Morooney, Penn State, (InCommon Steering)

Lois Brooks, Stanford, (InCommon Steering)

Richard Katz, EDUCAUSE

Rosio Alvarez, Lawrence Berkeley Labs, (Internet2 RAC)

Ray Ford, U Montana, (Internet2 AMSAC)

RL 'Bob' Morgan, U Washington, (MACE, InCommon TAC – Technical Advisory Committee)

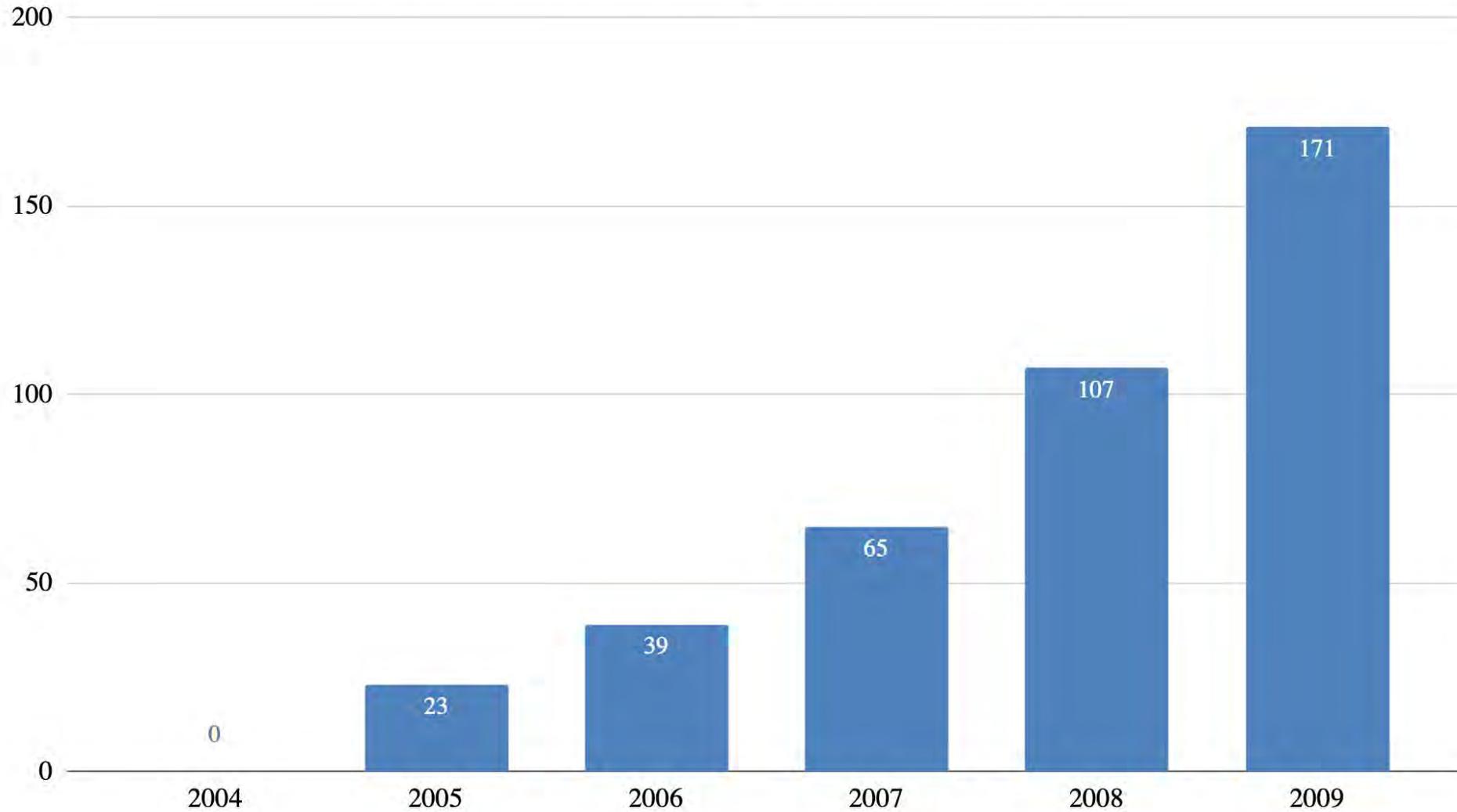
Rick Summerhill, Internet2 CTO

Sally Jackson, U Illinois, (Internet2 AMSAC)

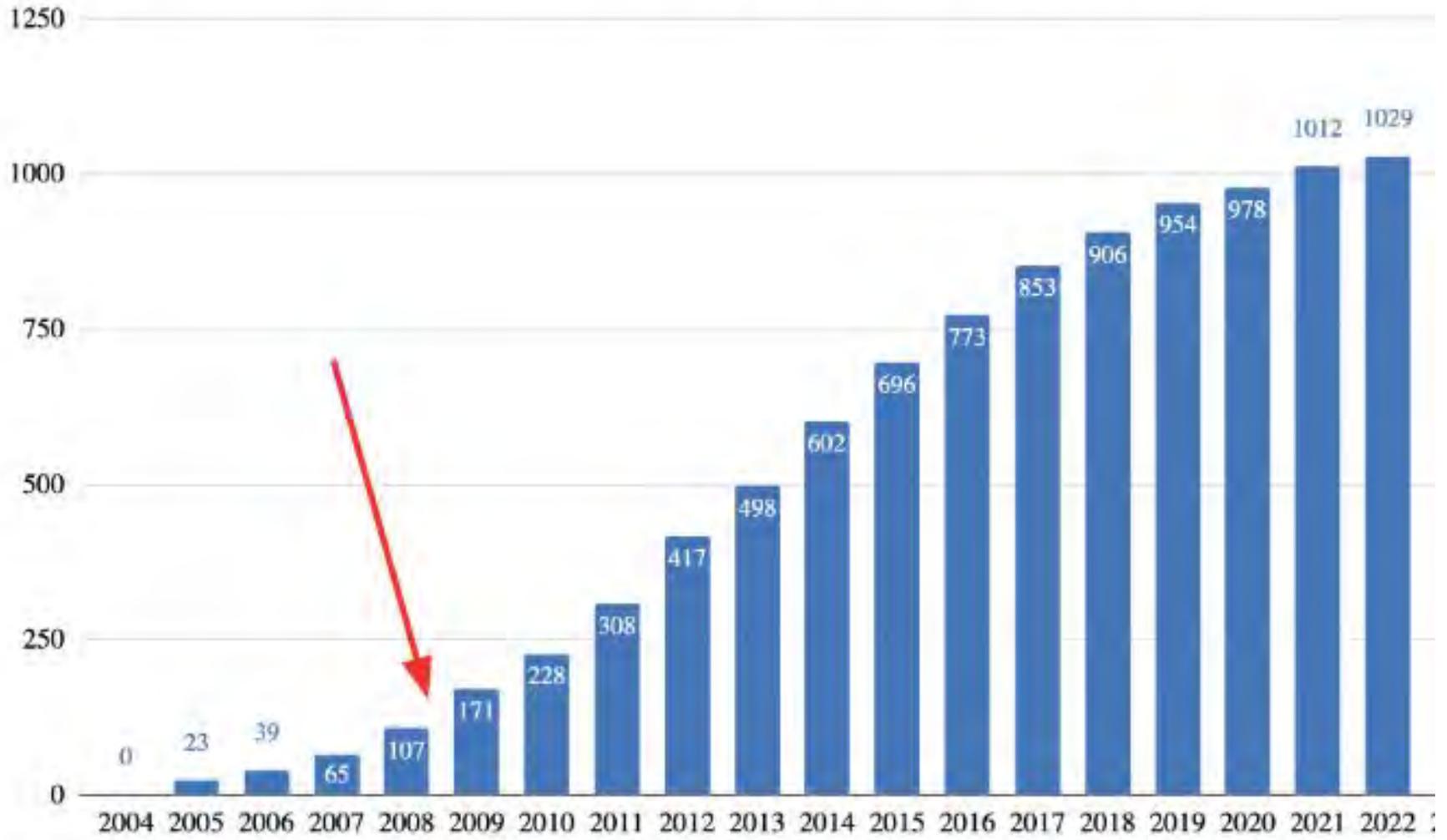
Note:

This document should be considered a recommended path and set of principles rather than a final plan and end state. This group acknowledges that detailed and evolving plans are required to ensure the success of this set of recommendations. Continued oversight should be provided by the current Internet2 and InCommon governance mechanisms to ensure long-term success and viability.

InCommon Participants Year-by-Year



InCommon Participants Year-by-Year



Recommendation
Structure: A trust services platform
Structure: Foundation establishment
Governance: establish InCommon Board of Directors
Membership: NSF
Membership: NIH
Membership: DoE
Membership: State-based, K-12
Membership: Service provider companies and orgs
By Q2 2010, InCommon should develop a clear mission statement and a funding plan to ensure the continued success of core federation services and core middleware research and development.
Internet2 commits to continued funding, organizational development, and growth of InCommon services and foundation for the next three years. Concurrently, InCommon should work toward financial cost-recovery of the InCommon Identity Federation by Q4 2012 and should seek out additional investment partners, particularly those interested in the foundation's research and development.
Internet2 remains committed to the success of this activity and to the growth and stability of InCommon, and should fund additional staff beginning September 2009 as outlined in the Staffing section of this document, with the understanding that all investments should continue to be repaid, as has historically been the case between Internet2 and InCommon.
For the duration of this plan, Internet2 should continue to provide operational and administrative staff and services, including secure metadata registry, registration authority support, accounting, grant administration, technical and meeting support, human resources, and office infrastructure at a rate commensurate with costs.
Internet2 should strive to bring at least 75% of its members into the InCommon Identity Federation by the end of 2010.
InCommon should analyze additional service opportunities that relate to or increase the value of its core services. Examples are a server certificate service, core identity federation services for states or regional consortia. Investment and business plans for any new opportunities in 2010 should be articulated by Q3 2009.
InCommon should, with additional staff support, develop a training and adoption program (either internally or through community and commercial partnerships) in Q2 2010.
InCommon should, with additional staff support, develop a plan by Q1 2010 for engagement and outreach work to build partnerships with agencies, companies, and volunteers to build support for federated partnerships and distributed campus services.
InCommon should launch the Bronze and Silver assurance profiles by Q4 2009, with a demonstration pilot ready in September of 2009 and presented at the Internet2 Fall member meeting.
InCommon should develop a new pricing plan for the InCommon Identity Federation service that accounts for all actual costs of operating the federation via a price increase in 2010 and a tiered pricing model by calendar year 2011.

Recommendation	No	No but...	Yes but...	Yes
Structure: A trust services platform				X
Structure: Foundation establishment	X			
Governance: establish InCommon Board of Directors	X			
Membership: NSF			X	
Membership: NIH				X
Membership: DoE		X		
Membership: State-based, K-12		X		
Membership: Service provider companies and orgs			X	
By Q2 2010, InCommon should develop a clear mission statement and a funding plan to ensure the continued success of core federation services and core middleware research and development.			X	
Internet2 commits to continued funding, organizational development, and growth of InCommon services and foundation for the next three years. Concurrently, InCommon should work toward financial cost-recovery of the InCommon Identity Federation by Q4 2012 and should seek out additional investment partners, particularly those interested in the foundation's research and development.		X		
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Context for the 2009 Report

- Audience: Internet2 and the Internet2 Board of Trustees
- Motivation: It wasn't entirely clear if InCommon was going to "make it".
- Authors: Community leaders that strongly believed in its importance and wanted to weigh in on what was going to be necessary to scale "pilot success"
- Objective: A critical mass of community leaders and Internet2 decision makers was necessary to create and allocate the resources necessary for success

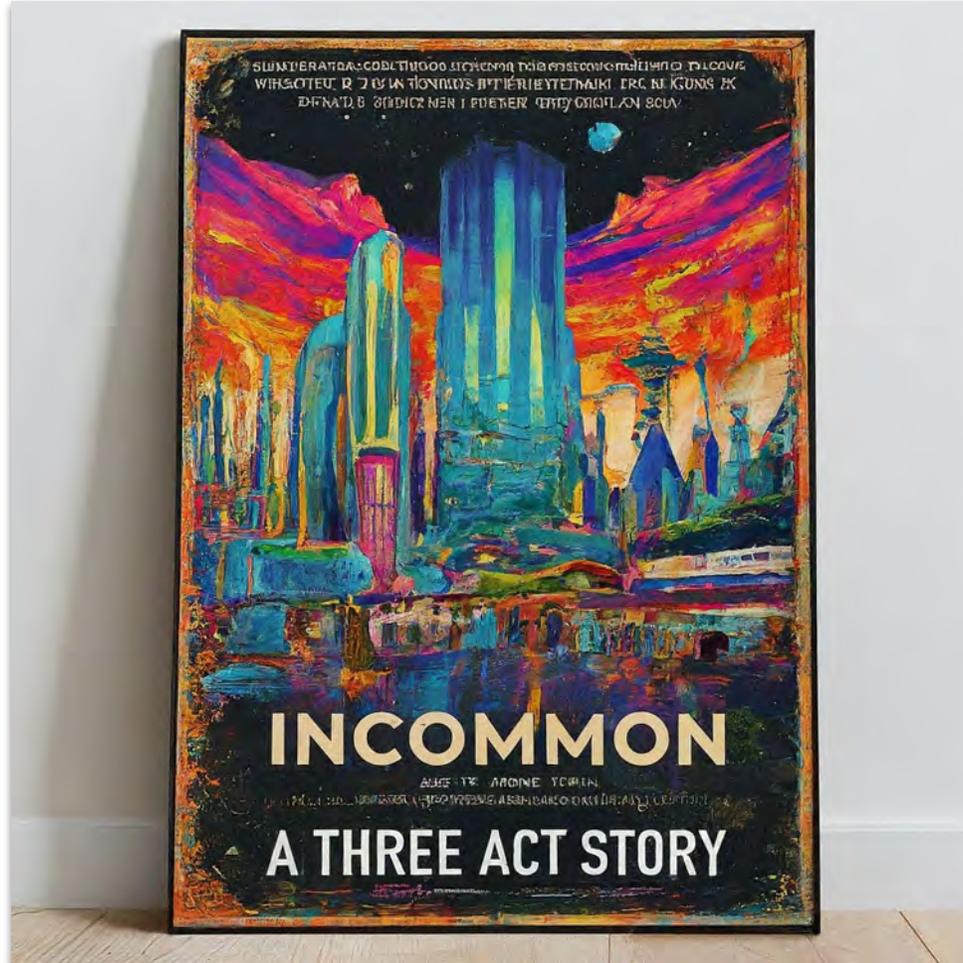
Also...







end of why and a little bit of what



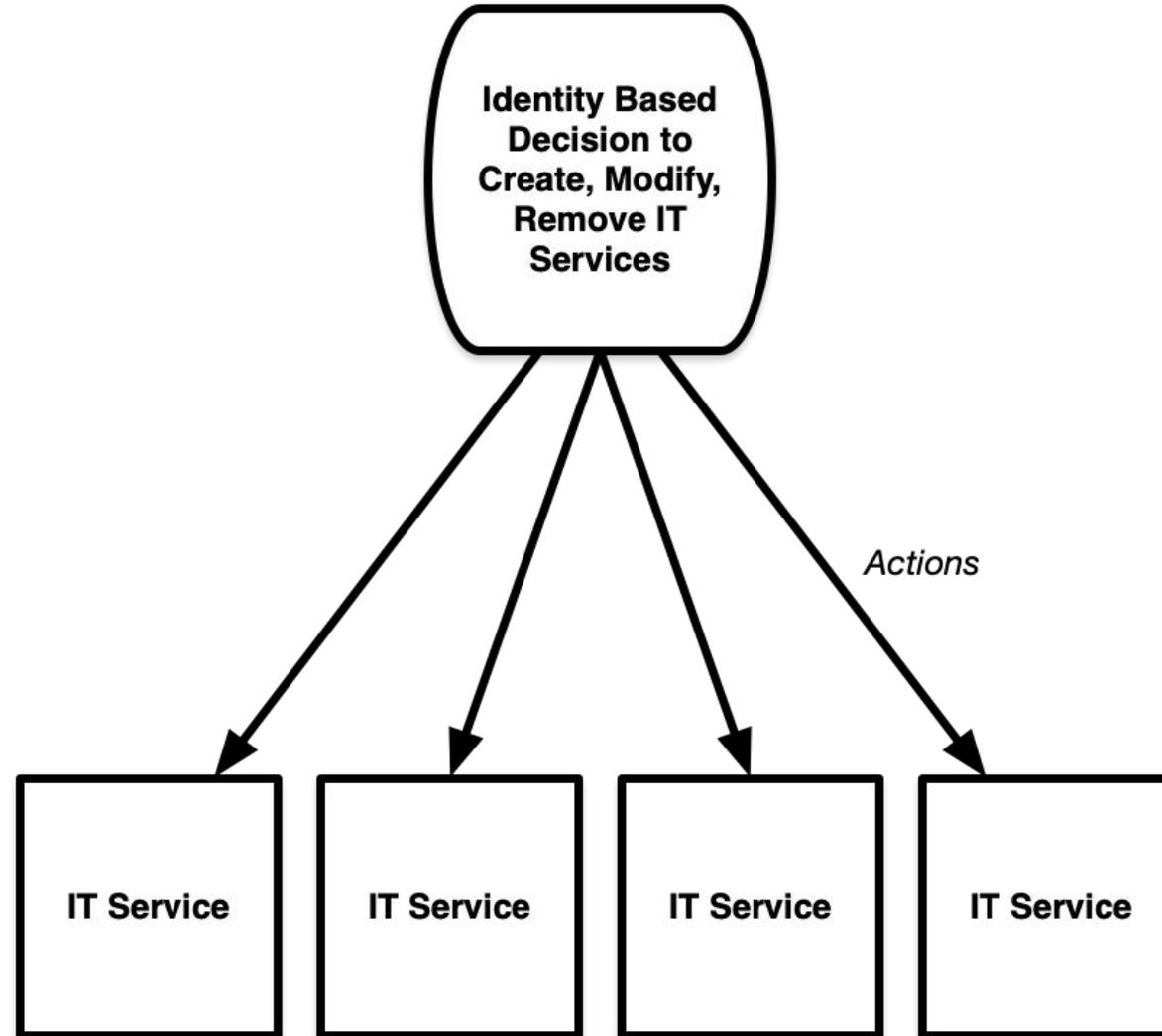
A story in three acts

Prologue

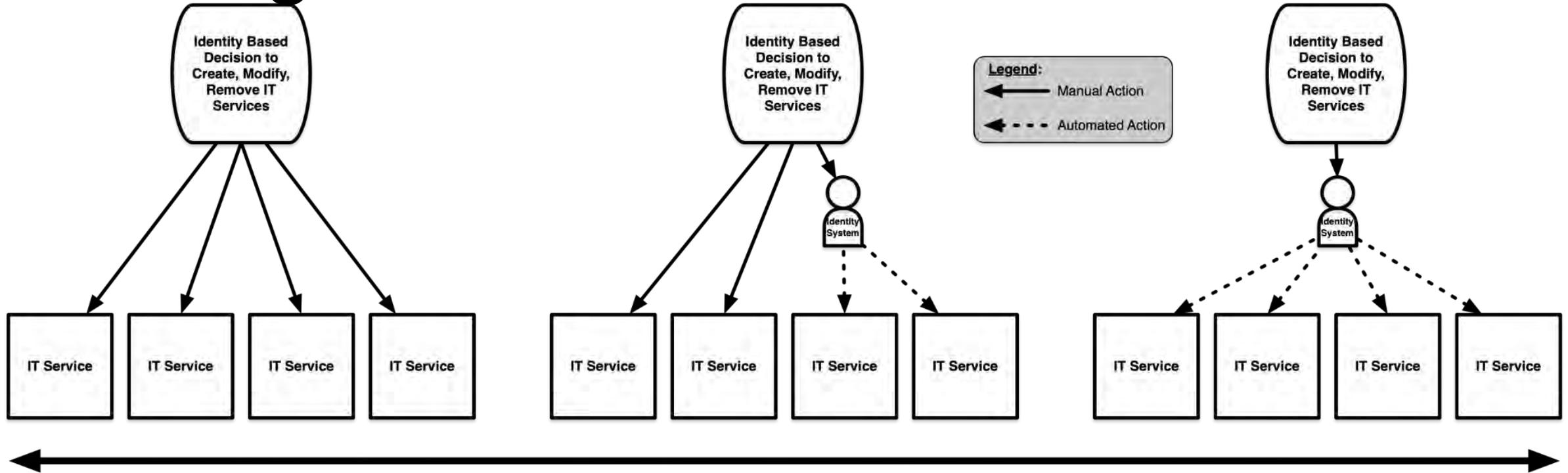
Why is digital identity important?

1. It is the most important service higher education operates.
2. All other services presuppose identity management.
3. The non-electronic parts of our institutions are founded on identity.
4. The identity in electronic parts of our institutions needs to function at least as well as the non-electronic parts and, where it can, it should function better.
5. Today it does not.

Our Job: Make digital identity real



Making it real



Less Real

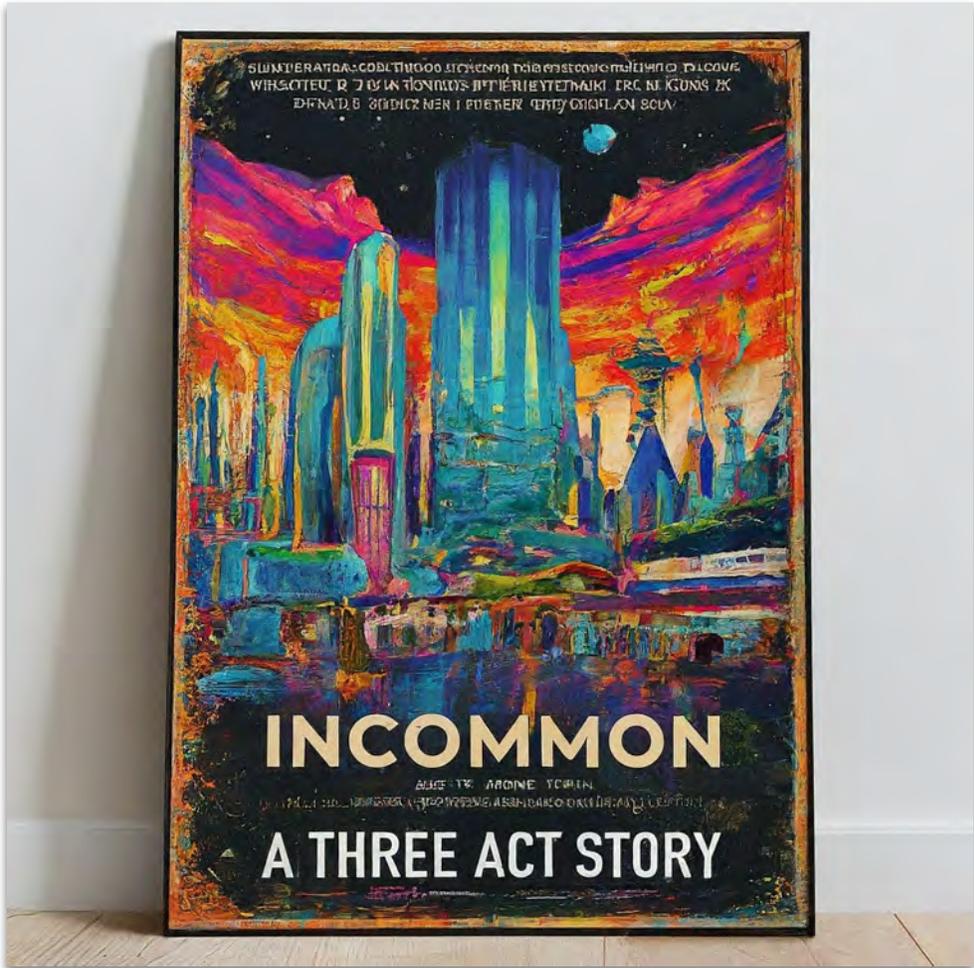
More Real



IDM Activities:

-  Provisioning / deprovisioning
-  Name Changes
-  Some bulk permissions
-  Granular permissions based on identity
-  Software defined networking
-  Cross institution provisioning / deprovisioning





Act 1

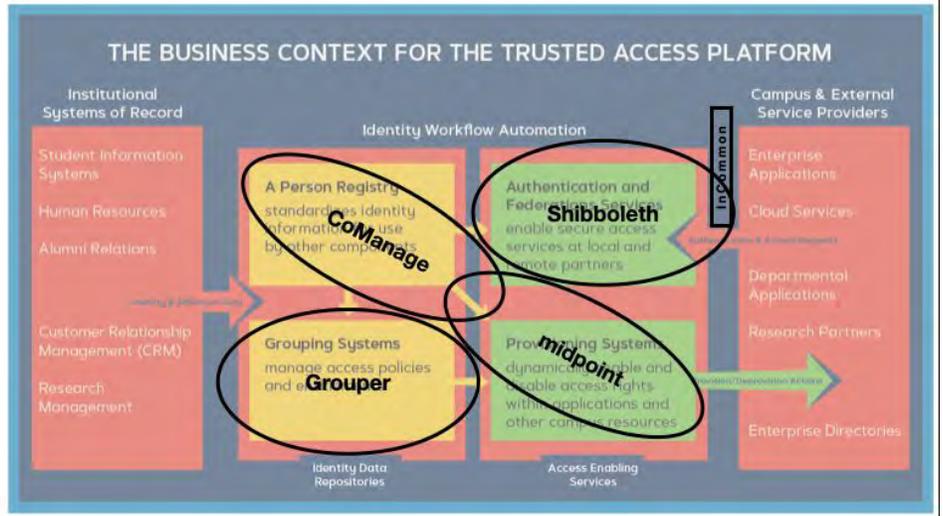
The Present

We do tools development, operations, training, sharing, support, convening.

BaseCAMP
 A pathway forward in IAM, delivering an insightful entryway into InCommon and the fundamentals of identity and access management. Join us June 3-7, 2024! Registration opens in March 2024.




InCommon Academy
 A community of learning



InCommon®
FEDERATION

InCommon SOLUTIONS HELP ABOUT NEWS
 FEDERATION EDUROAM CERTIFICATES SOFTWARE ACADEMY COMMUNITY

InCommon CAMP and Advance CAMP



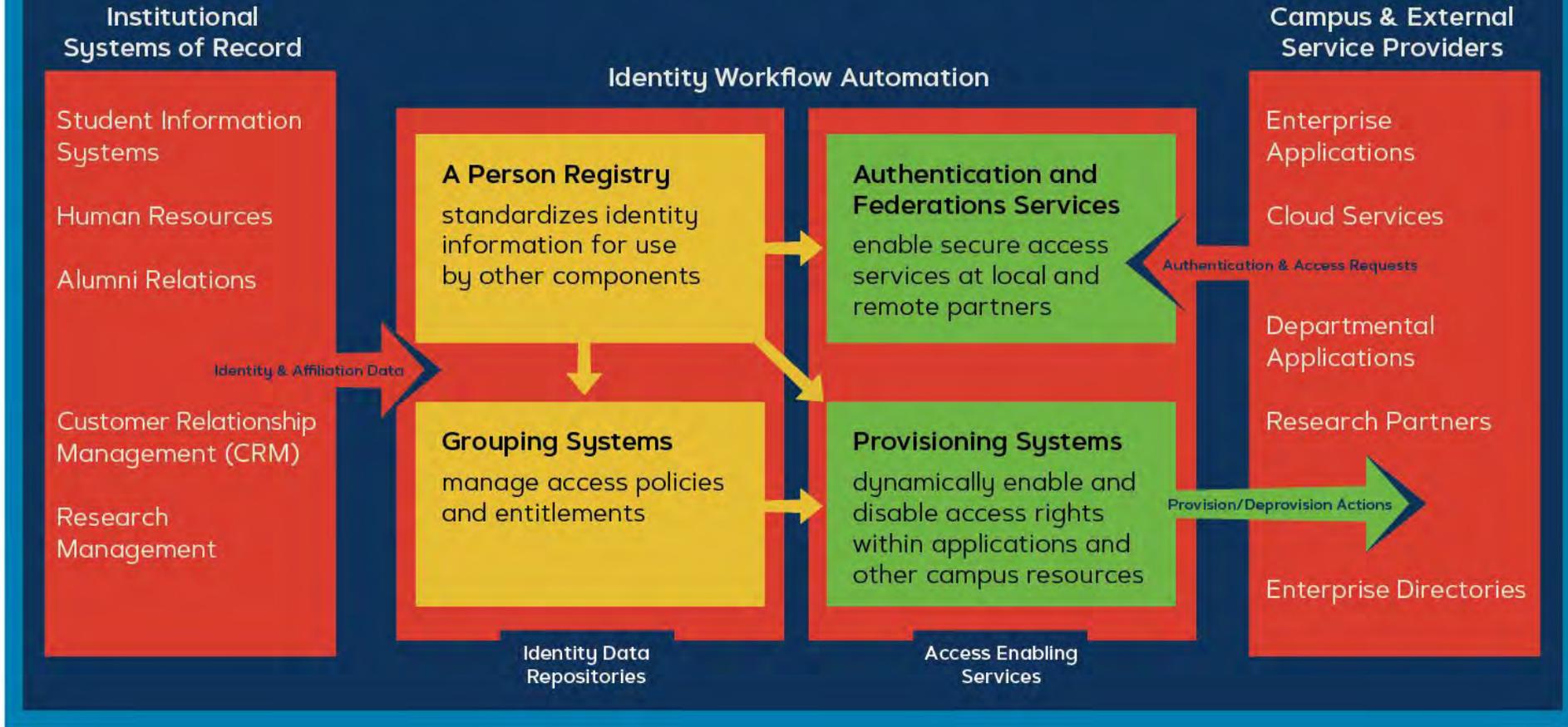
Join us for IAM Online!
 The Year Ahead in IAM, the 2024 Edition: Ideas & Insights from InCommon Catalysts
 February 15, 2024, at 1 p.m. ET

Some ways InCommon Catalysts can help

- Integration Assistance**
Catalysts can help integrate InCommon Trusted Access Platform components with your existing IAM infrastructure.
- Architecture Design**
Looking for an IAM reboot? Catalysts provide expertise in designing systems that are efficient and extensible.
- Hosted Services**
Looking to outsource IAM tasks or systems? InCommon Catalysts can hook you up.
- DevOps**
Whether it is migrating components or developing a purpose-built system, Catalysts have the software development experience.
- ...and more!**
Specific software help, setting up a guest system, re-imagining your IAM architecture - InCommon Catalysts can meet your needs.

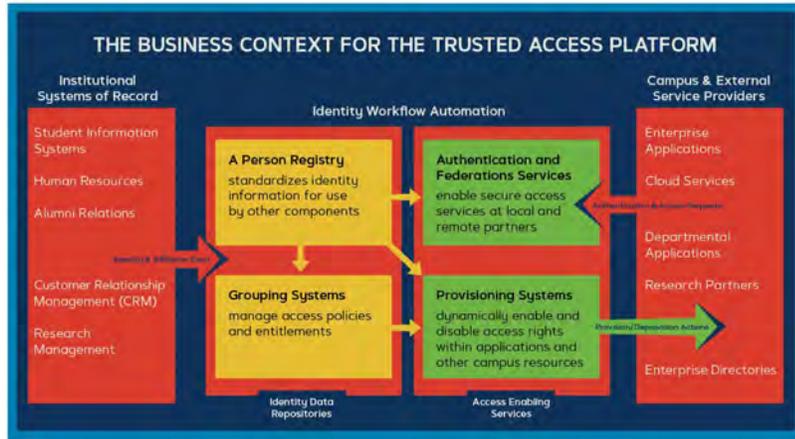
InCommon®
CERTIFICATES

THE BUSINESS CONTEXT FOR THE TRUSTED ACCESS PLATFORM



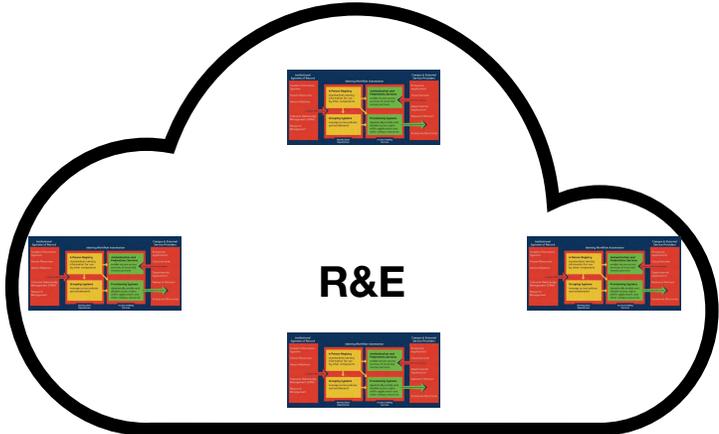
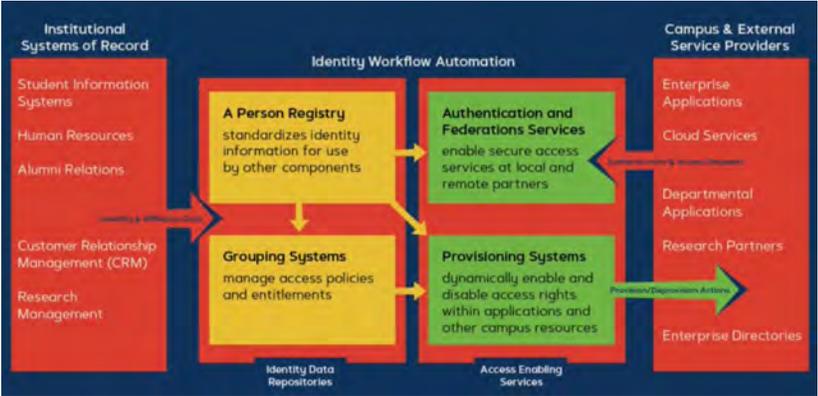
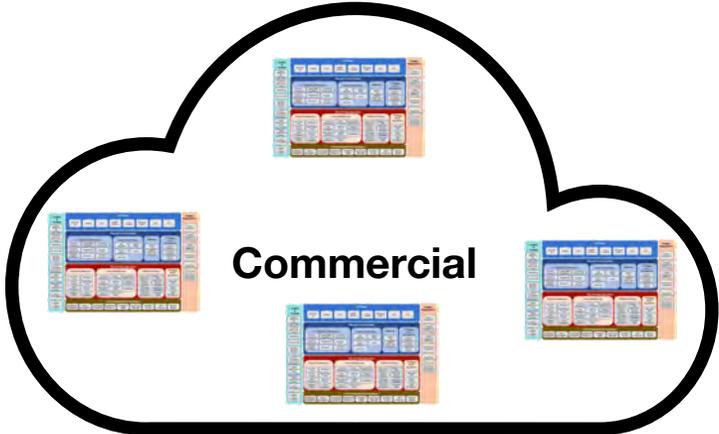
Your campus

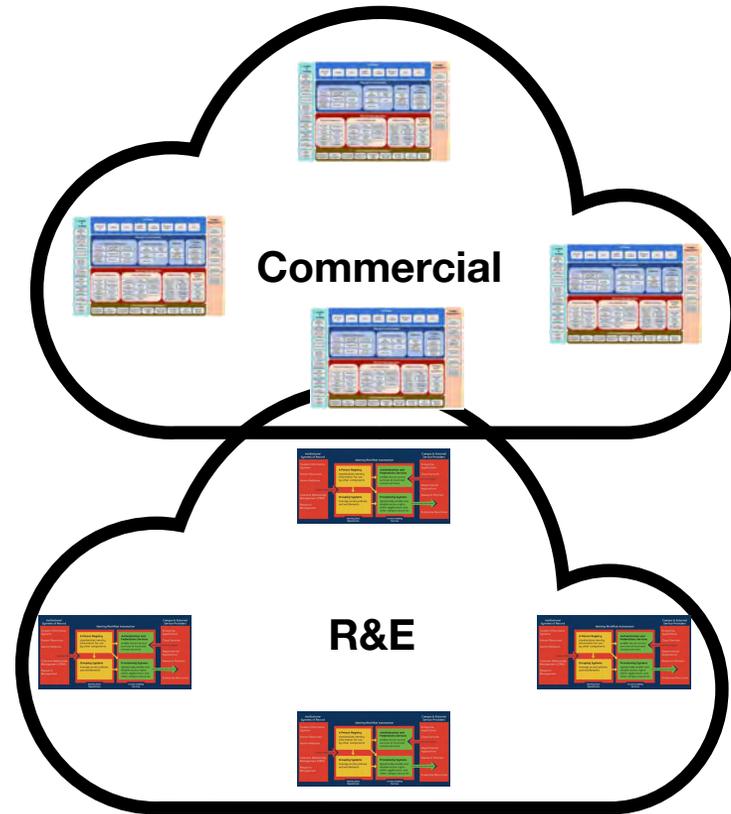
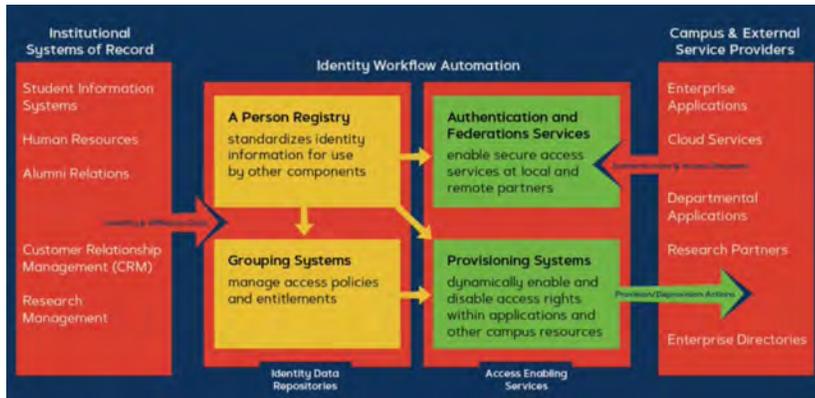
Commercially provided cloud services



Your campus

University and research org provided cloud services





examples of cloud services

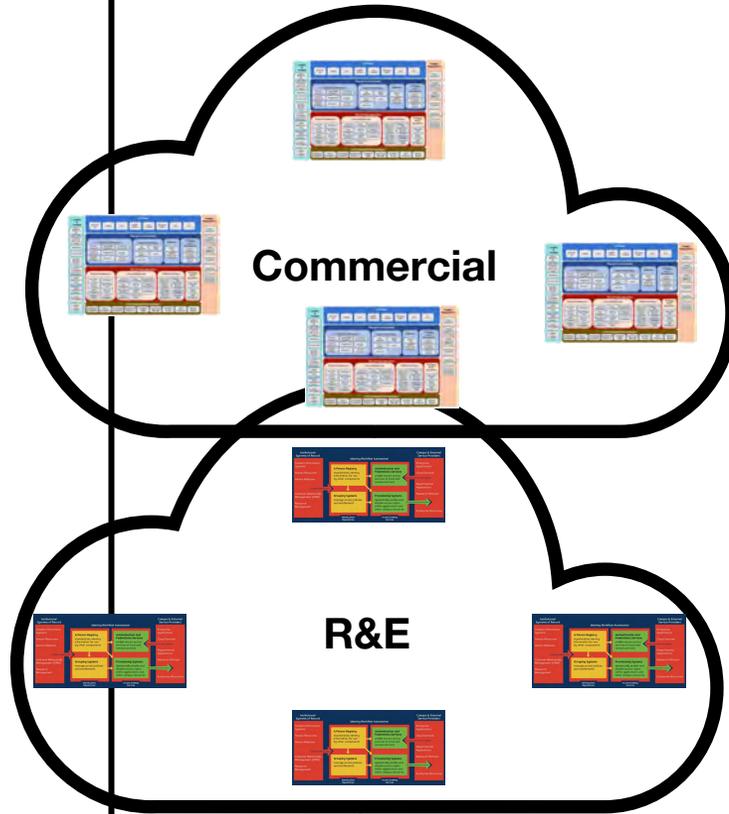
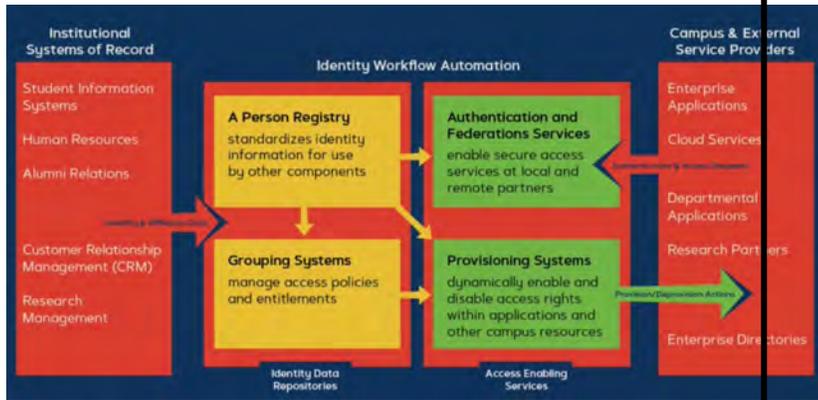
Commercial cloud

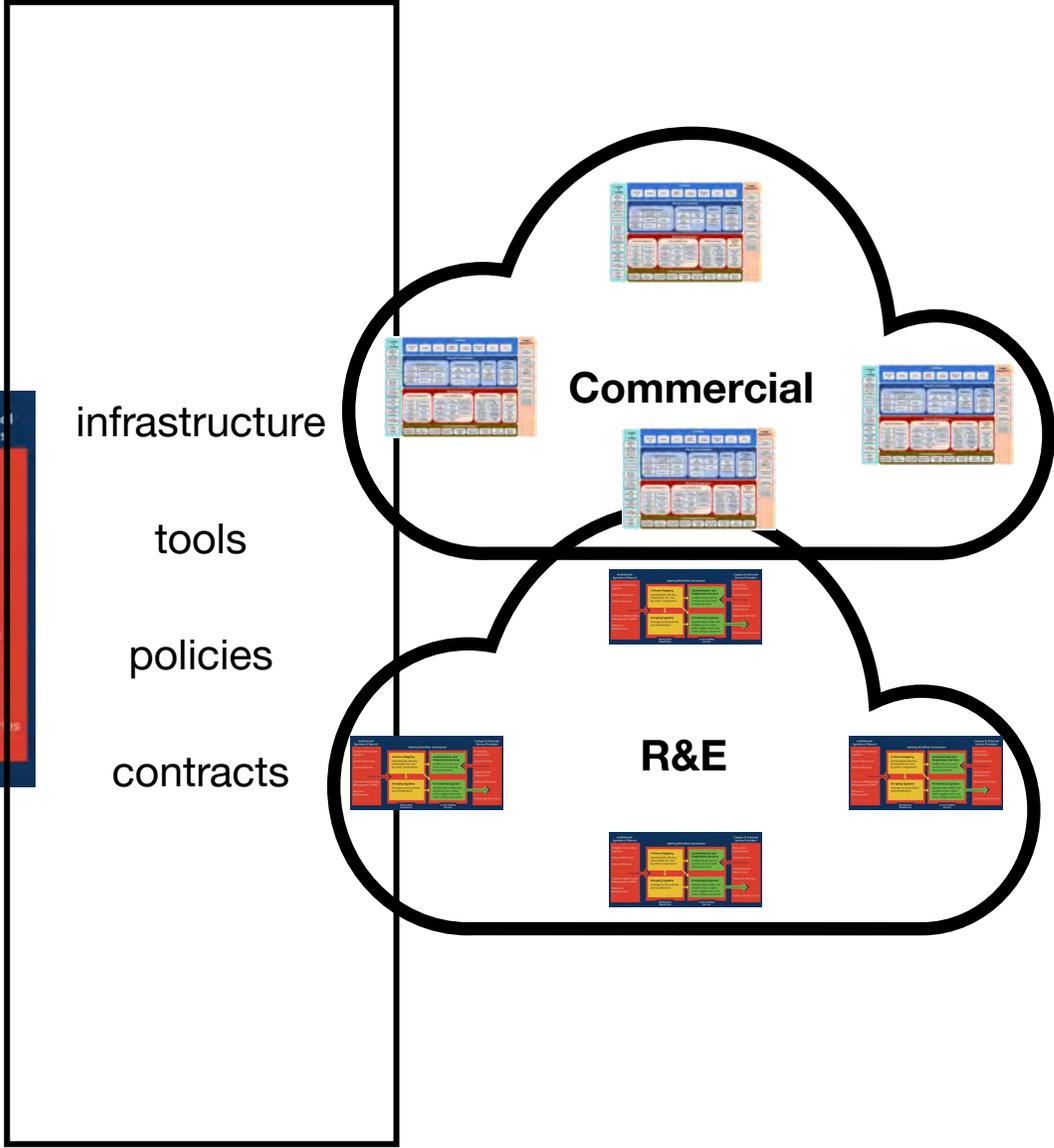
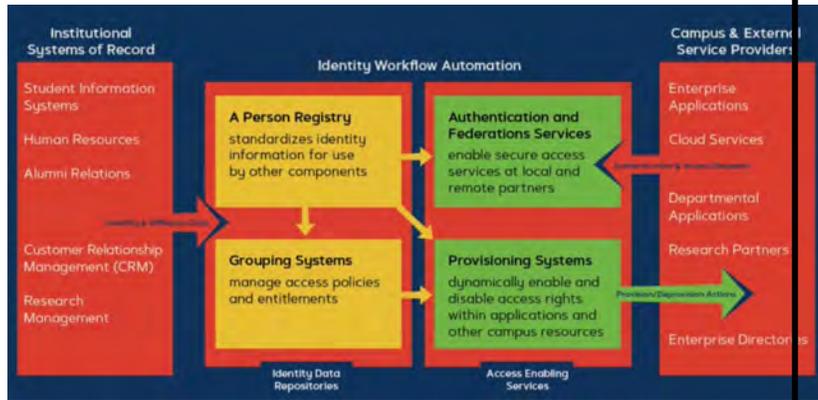
Your CMS
Your HRIS
Your SIS
turnitin.com

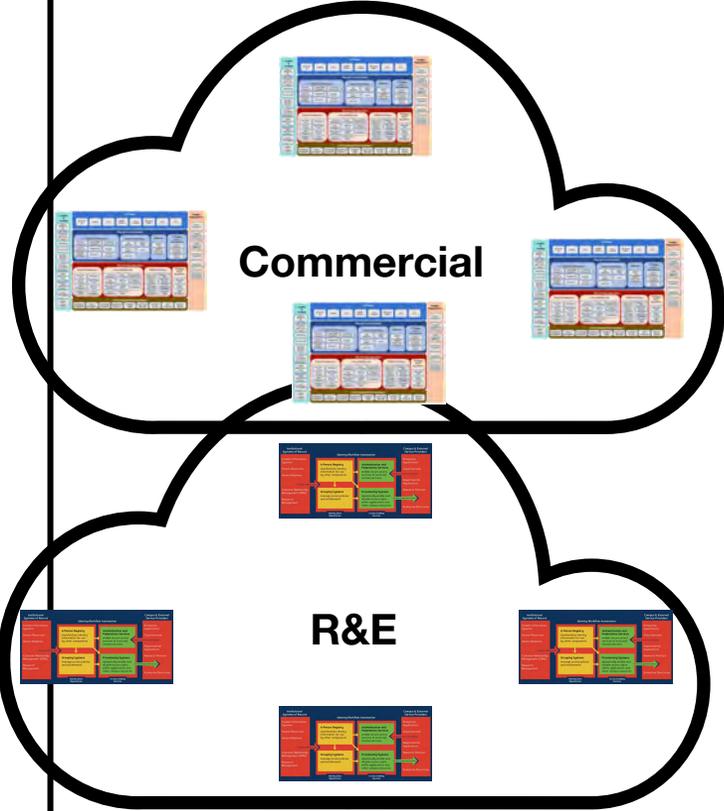
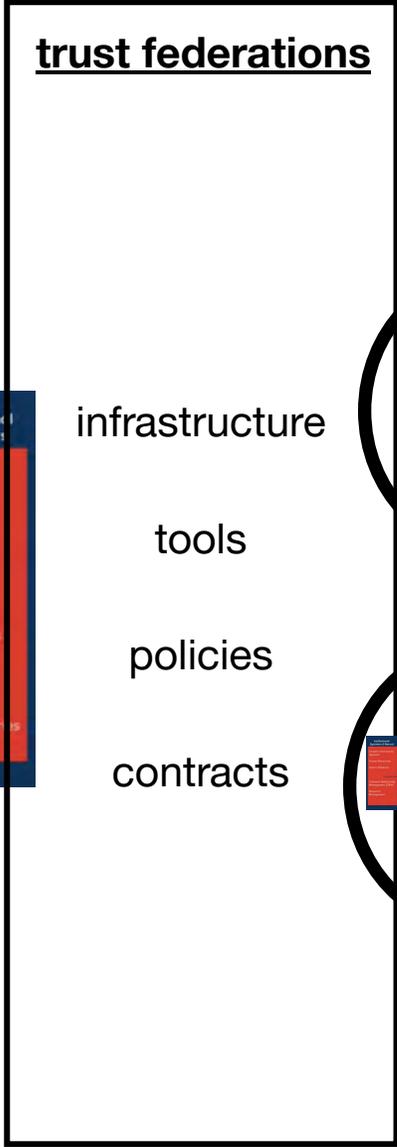
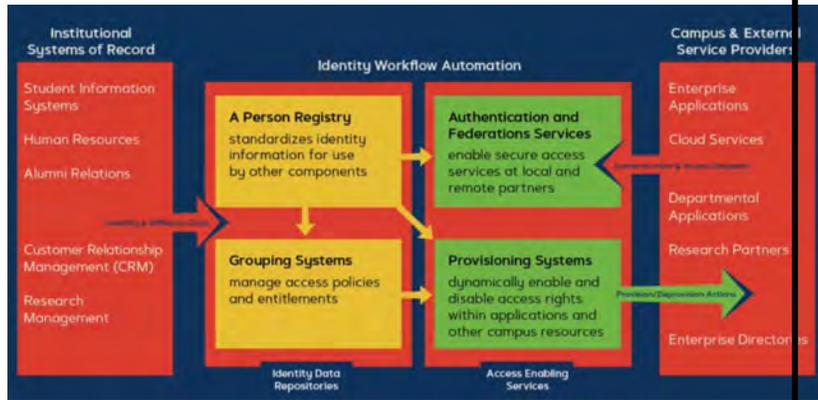
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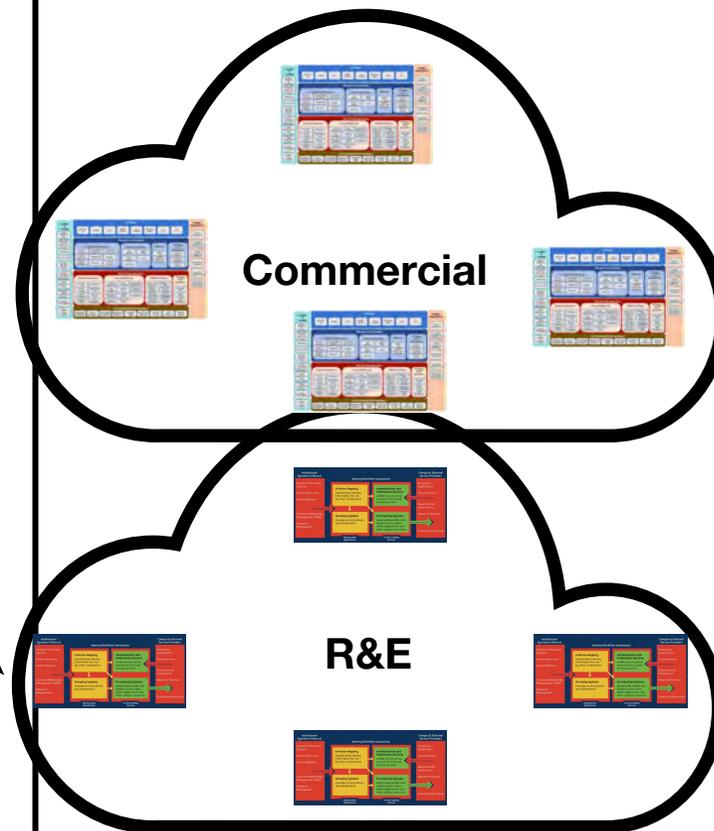
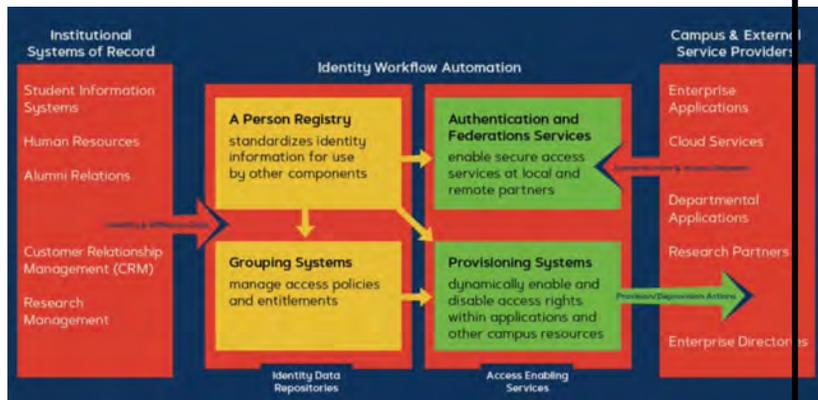
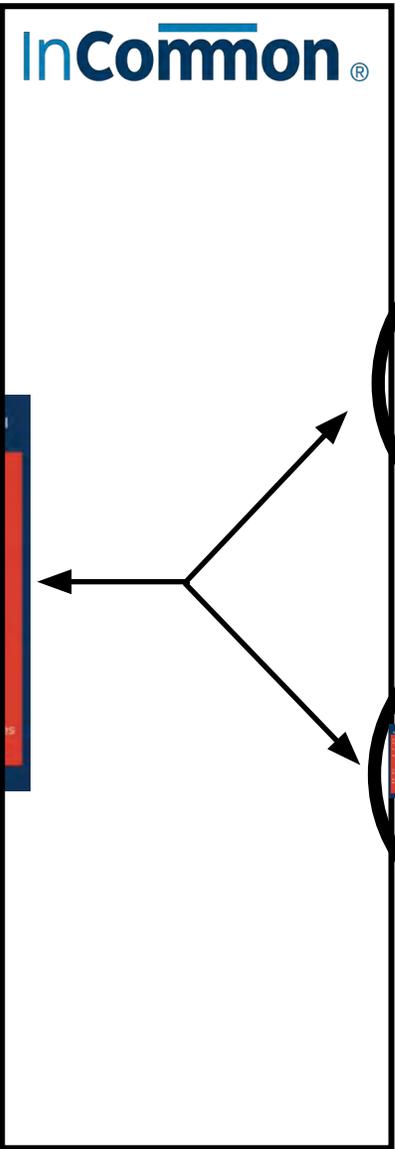
R&E cloud

a research wiki at another institution
a research portal at another institution
a collection of repositories
a data repository at your own institution

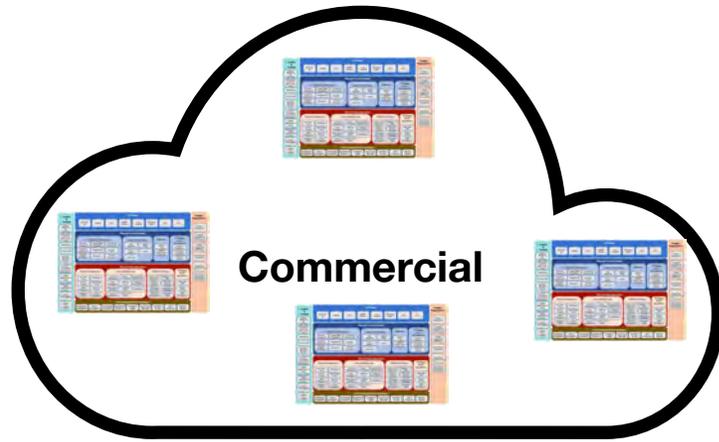




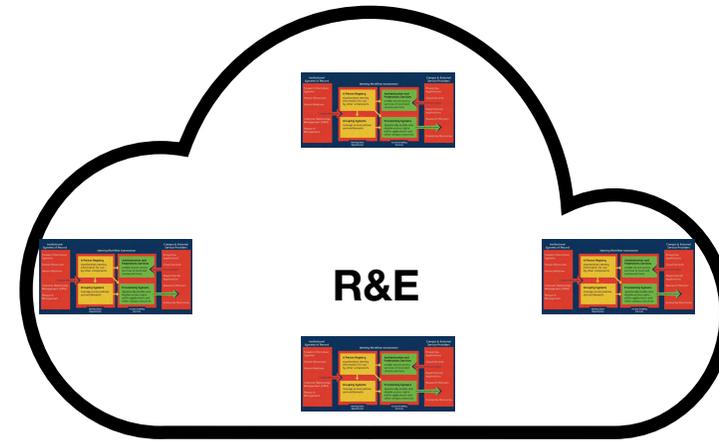




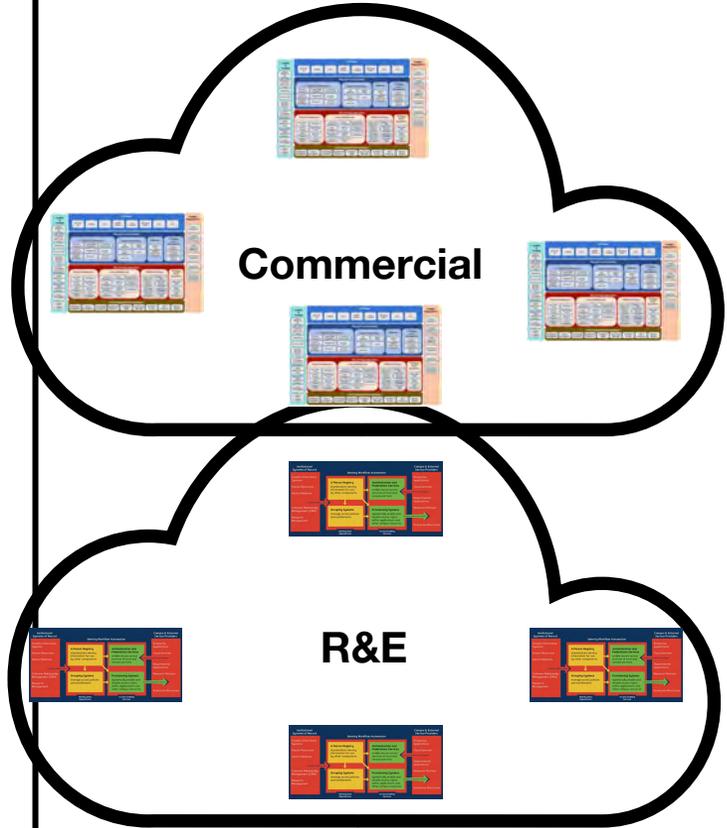
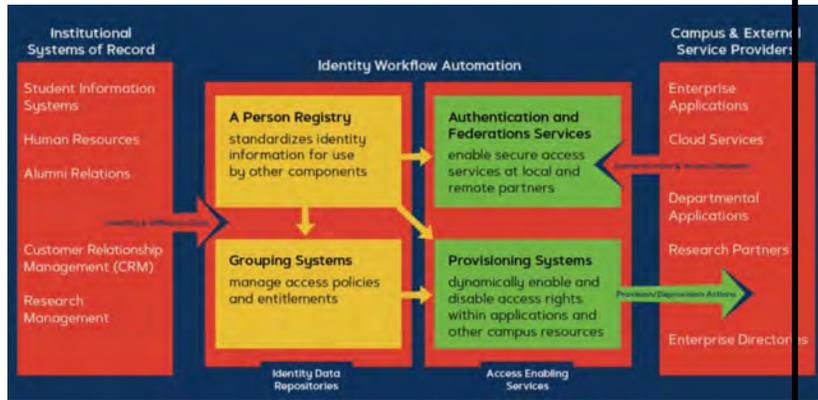
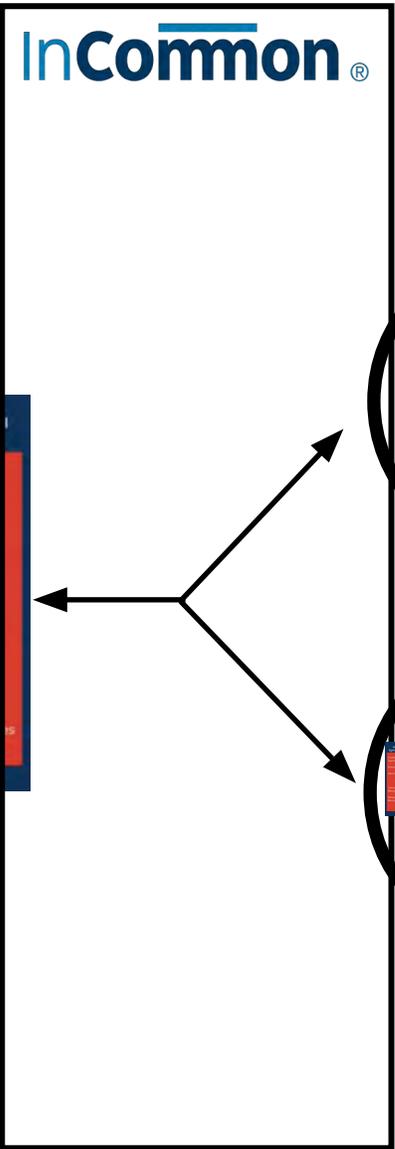
Why the two connections?

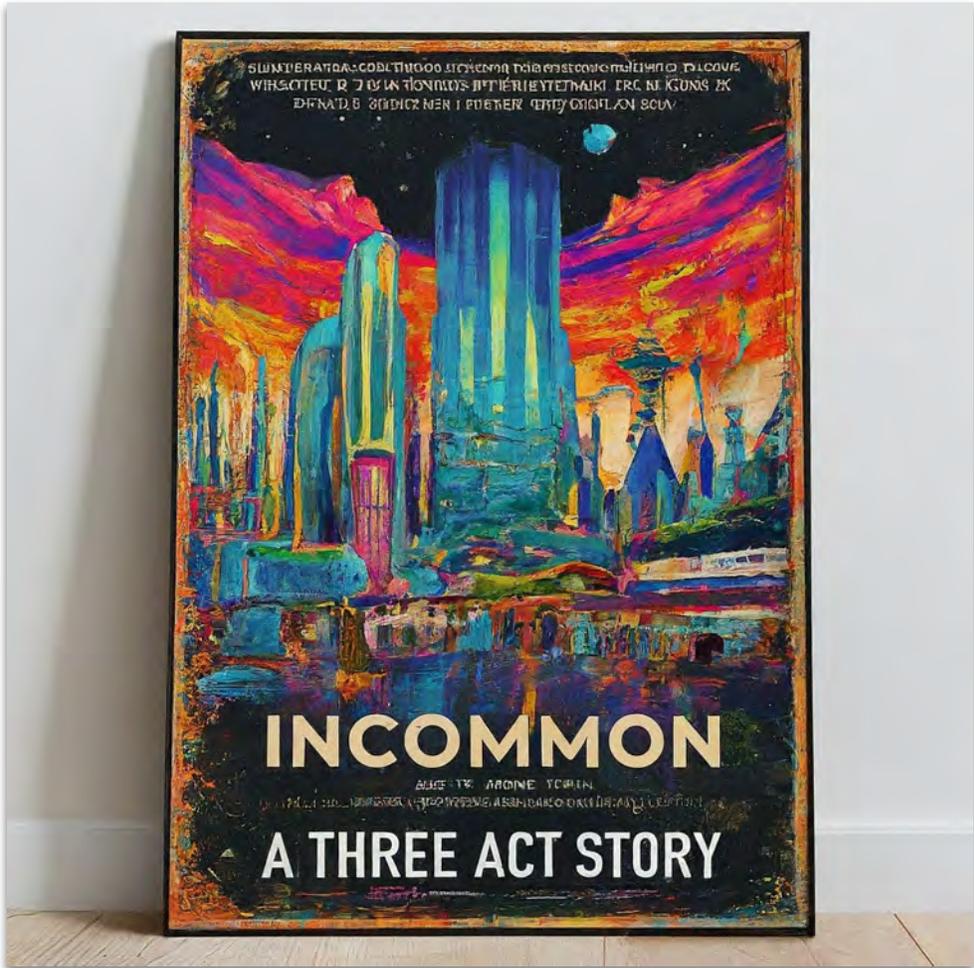


Your commercial federation solution determines what is in this cloud.



R&E cloud services are of no interest to commercial cloud connector providers. There's no \$ and the scale is different, large and complex.





Act 2

What is happening to us?

“Now that everything is digital, what is IT?”

I and T and IT.

I
IT
T

“The History of Higher Education IT”
or
“The Changing Role of the University CIO”

I and T and IT.

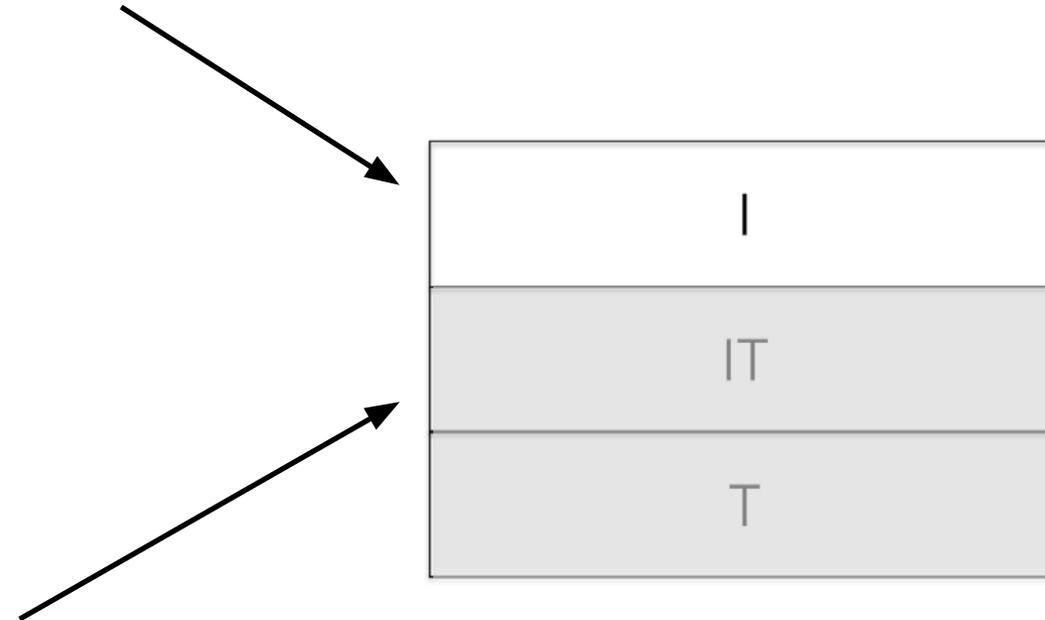
I
IT
T

2010-

2000-2010

1990-2000

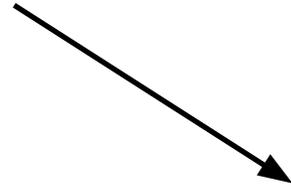
extracting value from IT, T
getting relevant information to decision makers



Today

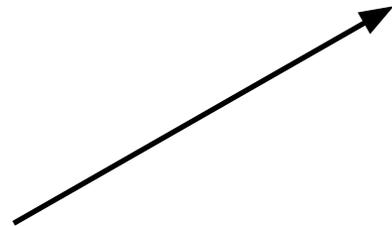
thankless, orchestrated dial tone

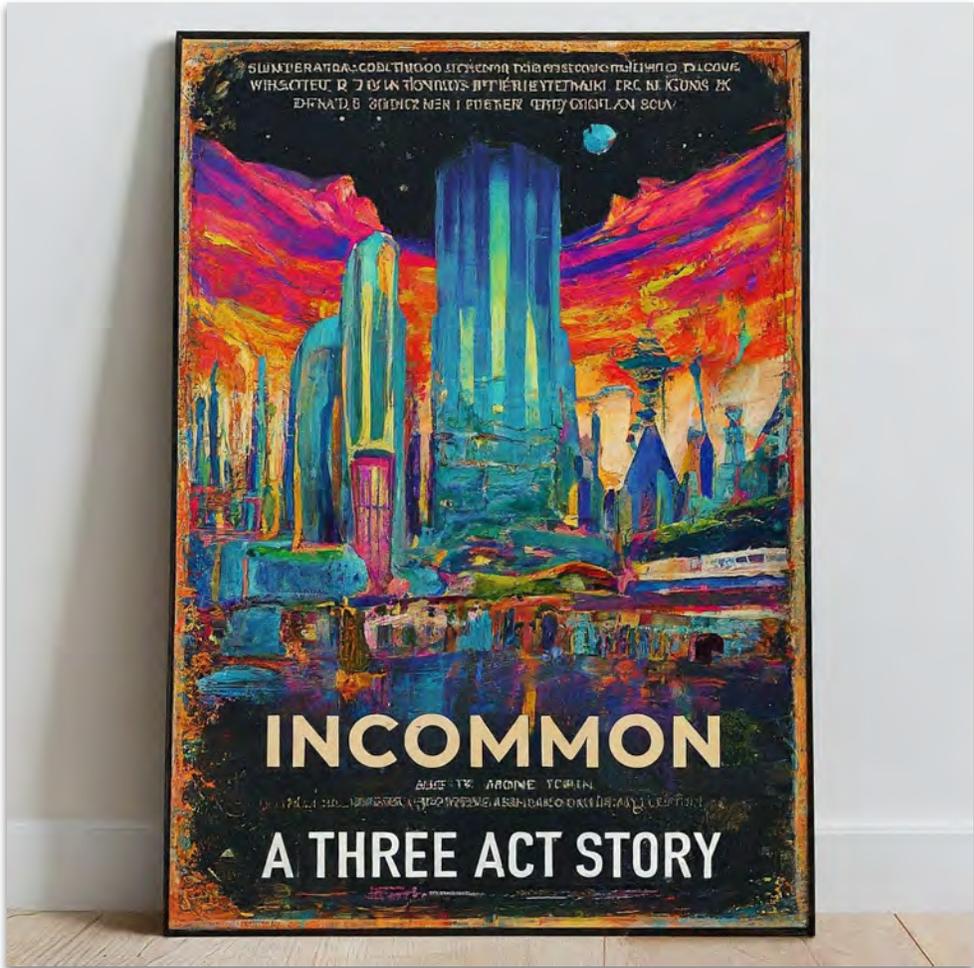
doing your job



Today

keeping your job





Part 3

The Report

PROMOTING DIGITAL COLLABORATION

Executive Summary

Over the next five years, InCommon leads as the collective authority in devising creative, sustainable IAM best practices for research & education.

Through a four-step, repeatable process, InCommon will effectively engage the community to achieve its strategic objectives.



STRATEGIC OBJECTIVES

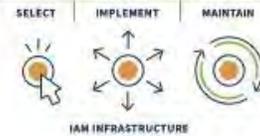
AN EVOLVED, STRONG VALUE PROPOSITION

TRUSTED COLLECTIVE FOR IAM WITHIN R&E



CLEAR GUIDANCE & TECHNICAL RECOMMENDATIONS

HOW TO:

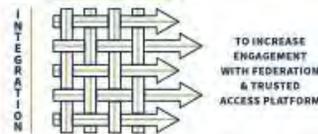


A SECURITY-FOCUSED INNOVATION GROUP FOR EMERGING PROTOCOLS IN IAM

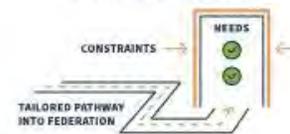


IMPROVED TOOLS & SERVICES IMPLEMENTATION & INTEGRATION

IMPLEMENTATION



EASY TO NAVIGATE TOOL & SERVICE OFFERINGS FOR ALL AUDIENCE GROUPS



ADDRESSING AN EVOLVING IAM LANDSCAPE

INTEGRATING NEXT GEN SECURITY



NEW DIGITAL LEARNING MODALITIES



SKILLS GAP & KNOWLEDGE LOSS



PROLIFERATION OF COMMERCIAL OFFERINGS



UNIFICATION, AUTOMATION, INTEROPERABILITY



Created by Sparrowfish.

PROMOTING DIGITAL COLLABORATION

Executive Summary

Over the next five years, InCommon leads as the collective authority in devising creative, sustainable IAM best practices for research & education.

Through a four-step, repeatable process, InCommon will effectively engage the community to achieve its strategic objectives.



how

STRATEGIC OBJECTIVES

AN EVOLVED, STRONG VALUE PROPOSITION

TRUSTED COLLECTIVE FOR IAM WITHIN R&E



CLEAR GUIDANCE & TECHNICAL RECOMMENDATIONS

HOW TO:



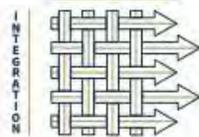
IAM INFRASTRUCTURE

A SECURITY-FOCUSED INNOVATION GROUP FOR EMERGING PROTOCOLS IN IAM



IMPROVED TOOLS & SERVICES IMPLEMENTATION & INTEGRATION

IMPLEMENTATION



TO INCREASE ENGAGEMENT WITH FEDERATION & TRUSTED ACCESS PLATFORM

EASY TO NAVIGATE TOOL & SERVICE OFFERINGS FOR ALL AUDIENCE GROUPS



what

ADDRESSING AN EVOLVING IAM LANDSCAPE

INTEGRATING NEXT GEN SECURITY



NEW DIGITAL LEARNING MODALITIES



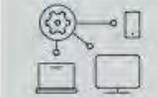
SKILLS GAP & KNOWLEDGE LOSS



PROLIFERATION OF COMMERCIAL OFFERINGS



UNIFICATION, AUTOMATION, INTEROPERABILITY



contexts

STRATEGIC OBJECTIVES

AN EVOLVED, STRONG
VALUE PROPOSITION

TRUSTED COLLECTIVE
FOR IAM WITHIN R&E



CLEAR GUIDANCE & TECHNICAL
RECOMMENDATIONS

HOW TO:



A SECURITY-FOCUSED
INNOVATION GROUP

FOR EMERGING PROTOCOLS IN IAM



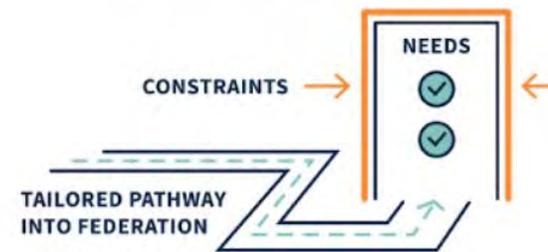
IMPROVED PRODUCT
IMPLEMENTATION & INTEGRATION

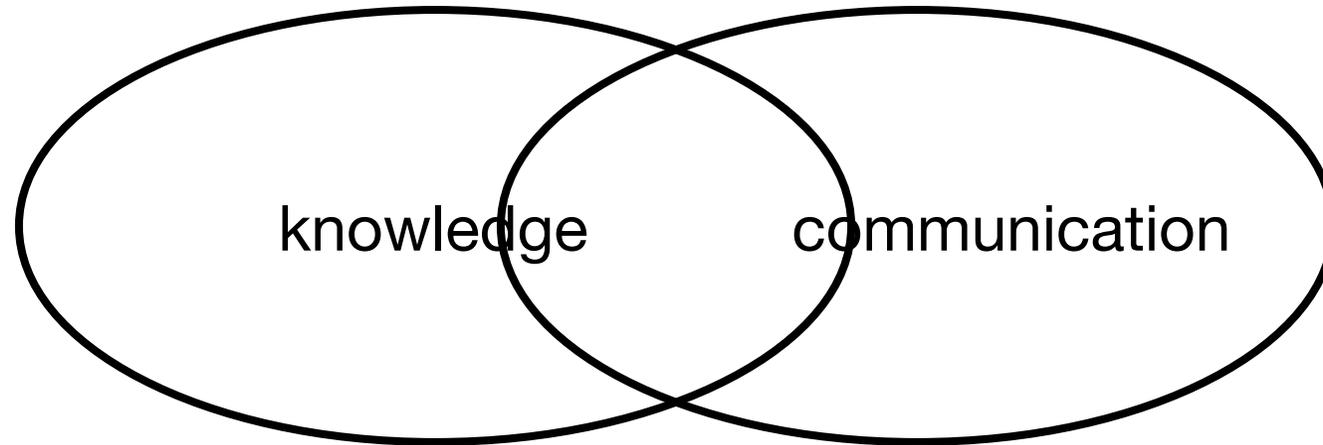
IMPLEMENTATION



EASY TO NAVIGATE PRODUCT
& SERVICE OFFERINGS

FOR ALL AUDIENCE GROUPS



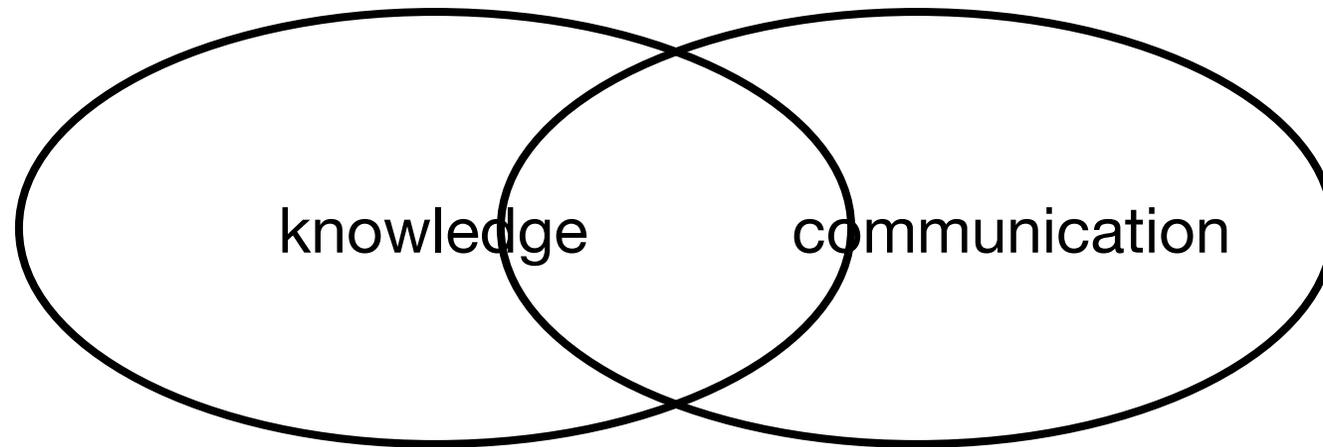


knowledge

- insight
- synthesis
- wisdom
- guidance
- (architectural, practitioner) expertise

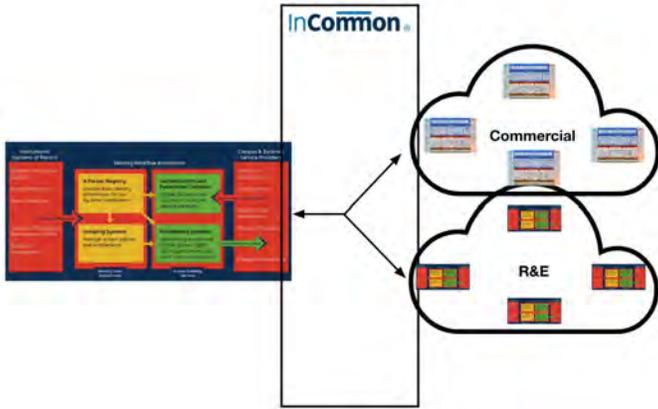
communication

- reference materials
- trends
- provocation
- best practices
- advocacy
- story telling

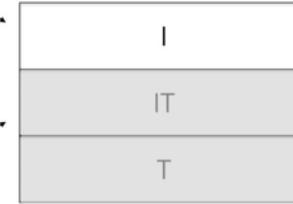




Tying it together



extracting value from IT, T
getting relevant information to decision makers



Today

thankless, orchestrated dial tone

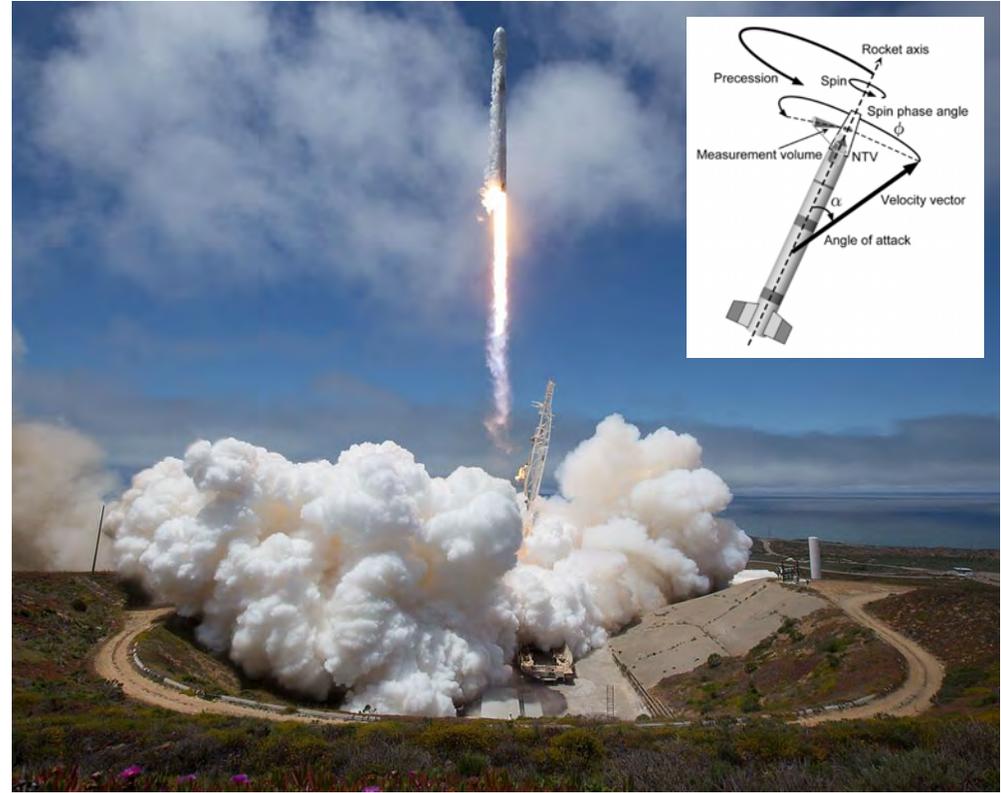
Take what we do...

...extract, create
new and
different value...

...like this.

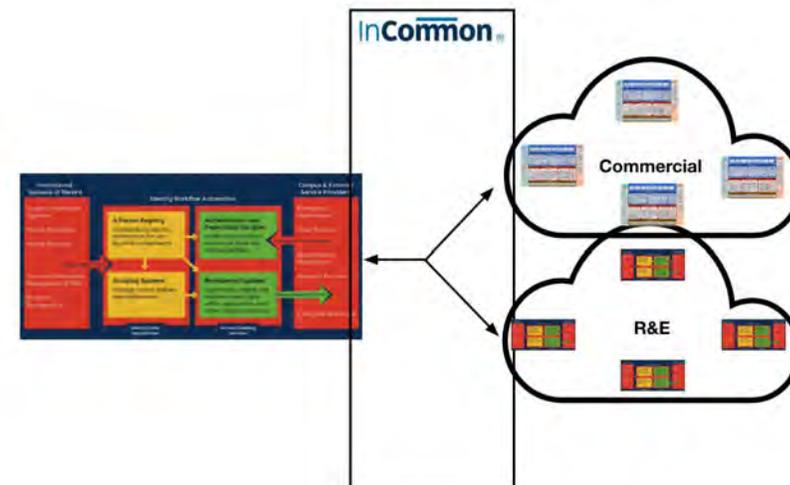
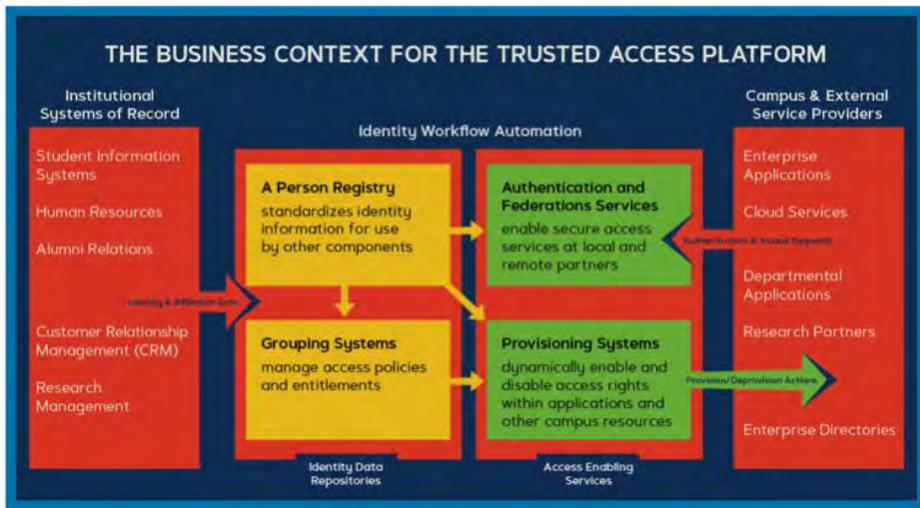


Not this...



...this.

One example



771

3

2313



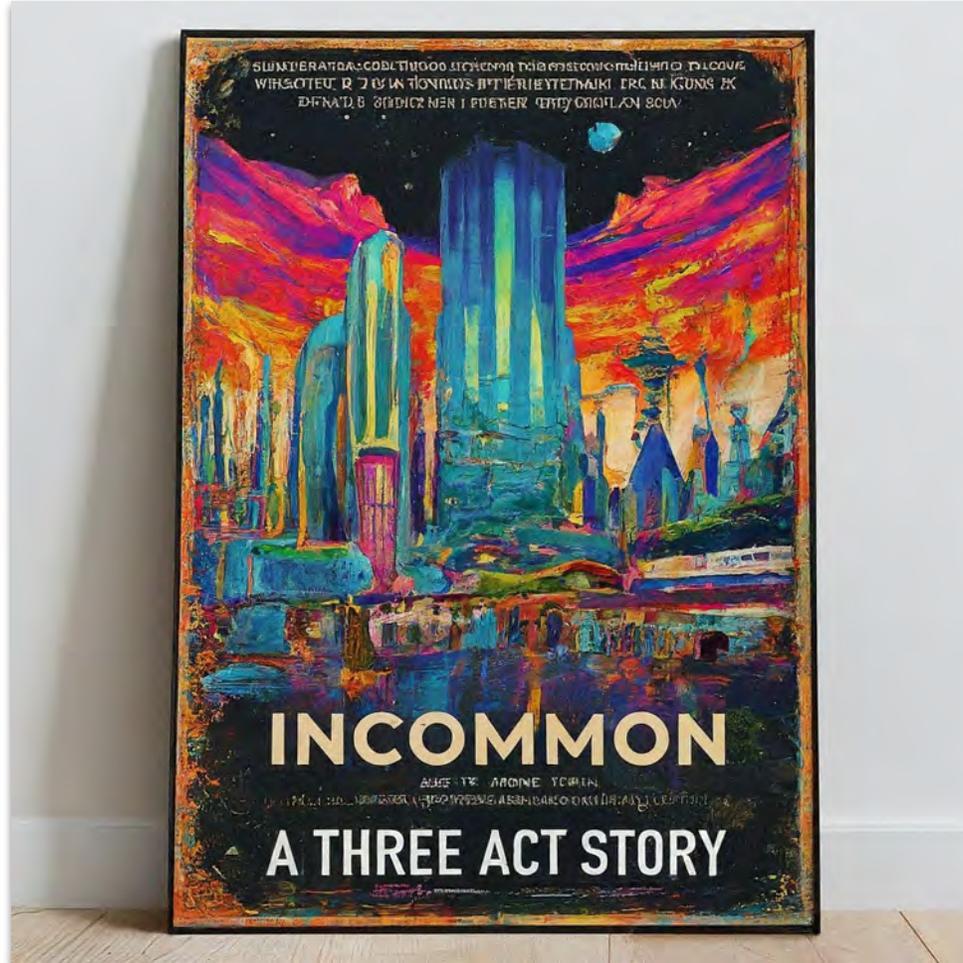
771

3

2313



and **InCommon**®



A story in three acts

Our approach to action

We Bring

COMMUNITIES TOGETHER

TO BUILD ECONOMIES THAT BENEFIT PEOPLE
AND PROTECT THE PLANET



**We Bring Communities Together To Build
Economies**



**Vital Learnings From Our Work in Building
Inclusive Plastic Waste Systems in South and
Southeast Asia**



**SecondMuse Releases Scale For ClimateTech 2023
Impact Report**

Our planning principles

- Our work together must stand up to the lens of the broader community. We must assume that we operate in transparency by default. It is essential to foster confidence and inclusion in our activities and messaging.
- The process we design to engage the community and develop the additional artifacts will be as important as the final document we produce. The process of producing this document has value in and of itself. This process is a community-engagement exercise with expected goodness and “bounce.”
- We want individuals to see themselves (or someone like them) as contributing to the process in some way.
- Our decisions, strategies and recommendations can be traced to community or research-driven data or citations.
- The actors guiding this process are the community and Internet2. All decisions are driven by consensus by the Steering Futures2 Working Group.
- We will respect the opinions, business needs, and time of all members. We are advocates for each other.
- We will facilitate preparation with clear communication and the timely dissemination of information to the Steering Committee and the Community at-large. The likelihood of an impact will be higher if we communicate and tell the story as it unfolds.



+

InCommon®

- Facilitated sessions with target community groups
- Broad community and InCommon Customer survey
- Key stakeholder interviews
- Stakeholder input sessions
- R&E landscape trends and opportunities analysis

June —————> October

InCommon Steering Committee

InCommon Technical Advisory Committee

Community Architect Community for Trust and Identity

Community Trust and Assurance Board

eduroam Advisory Committee

Component Architects Advisory Group



Steering

Marc Wallman North Dakota State University
Chris Misra University of Massachusetts Amherst
Rachana Ananthakrishnan Globus, University of Chicago
Ashrab Ahmed NIH
Brad Christ Eastern Washington University
Bernie Gulachek University of Minnesota
Kristi Holmes Northwestern University
Christine Miki Benelogic
Kim Milford University of Illinois Urbana-Champaign
Sean Mooney NIH
Dave Robinson Baylor School
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Keith Wessel University of Illinois Urbana-Champaign
Joanne Boomer University of Missouri
Grady Bailey The University of Texas at Austin
Jeffrey Crawford University of California, Los Angeles
Matthew Economou Independent
Derek Eiler University of Nevada System
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Steven Premeau University of Maine
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Kathy E. Wright Clemson University

David Bantz University of Alaska
Jon Miner University of Wisconsin-Madison
Warren Anderson LIGO
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Ercan Elibol Florida Polytechnic University
Richard Frovarp North Dakota State University
Michael Grady Unicon
Scott Green Eastern Washington University
Christopher Keith Brown University
Kyle Lewis Research Data and Communications Technologies
Ryan McDaniel Virginia Tech
Rick Wagner University of California San Diego

TAC

CTAB

CACTI

Margaret Cullen Painless Security
Kevin Hickey University of Detroit Mercy
John Bradley Independent
Judith Bush OCLC
Robert Carter Duke University
Gabor Eszes University of Virginia
Tom Jordan University of Wisconsin – Madison
Les LaCroix Carleton College
Kevin Mackie Oregon Health & Science University
Joan Masai Kenyan Education Network
Derek Owens University of Notre Dame
Chris Phillips CANARIE, Inc.
Gareth Wood University of Otago (NZ)2025

Brett Bieber University of Nebraska
Jeff Egly UETN
Kendra Ard Cal. St. University Office of the Chancellor
Dion Baird University IT, Oregon State University
John Buysse University of Notre Dame
Amel Caldwell University of Washington
Mike Dickson University of Massachusetts Amherst
Derek Eiler Nevada System of Higher Education
Nadim El-Khoury Springfield College
Rob Gorrell University of North Carolina – Greensboro
Michael Hacker University Heights Charter School District
Saira Hasnain University of Florida
Jeremy Livingston Stevens Institute of Technology

eAC

Steve Zoppi Internet2
Benjamin Oshrin Spherical Cow Group
Laura Paglione Spherical Cow Group
Dedra Chamberlin Cirrus Identity
Chris Hyzer University of Pennsylvania
Jonathan Johnson Unicon
Charise Arrowood Unicon
Mike Grady Unicon
Rob Carter Duke University
Scott Cantor The Ohio State University
Slavek Licehammer Evolveum
Ethan Kromhout University of North Carolina

Components



THE FELLOWSHIP OF THE THINGS

How to get started



Making it Real

Our Focus... What is it that only we can do?

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Focus Use Cases



Rate of Change in the First Year



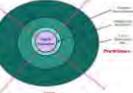
What's challenging about how we work today?

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Resourcing and the Extent of Change

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Target Audiences



How do we figure out what to work on during this first year?

- What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

First Steps?

- What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Criteria for Choosing First Projects

- What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Potential Project Assessment



What were our conclusions?

Priority	Area	Area of work	Quick Wins
1	Acad	Vendor Process from meeting to published Website	Standard Make Progress: Slow momentum on date decided by Techset?
2	Acad	Content review for January and research: Best. Behavioral MS&E business and technology. Alignment along with AS&C for research	Standard Make Progress
3	Acad	Industry Strategy - Support for Content, review the governance, partner customer. Create value for Tech	Early with any alignment, need more knowledge on Content Project
3	Acad	Analysis: Request proposal. Request. Provide analysis, report documents, that are useful	Content report to the community using a journal?
750	Acad	Discovery Project - Open to Support: Meeting and planning for content/partners along resources	Standard Make Progress: Open to Support: Meeting and planning for content/partners along resources
750	Acad	Discovery Project - Open to Support: Meeting and planning for content/partners along resources	Standard Make Progress
750	Acad	Discovery Project - Open to Support: Meeting and planning for content/partners along resources	Standard Make Progress



Communications

Messaging/Direction Community Exchange

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Our Operational Deltas

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Internal FAQ

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Advisory Group Deltas

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Dispelling the Myths

What are the most important success factors for 2024? What are the most important success factors for 2024? What are the most important success factors for 2024?

Second Muse Report Resources and Related Federation Stats

Excerpts from the Second Muse: InCommo Futures2 Strategy Report

INCOMMON'S NEW DIRECTION

Our New Energy

STRATEGIC OBJECTIVES

- INCREASE MEMBER SUCCESS AND EFFICIENCY
- IMPROVE MEMBER ENGAGEMENT
- ENHANCE MEMBER COLLABORATION
- INCREASE MEMBER INFLUENCE

ADDRESSING AN EVOLVING LANDSCAPE

Focus is achieved through a four-step, repeatable process:

II. ENGAGE EXPERTS IN AN INNOVATION CYCLE

Engage experts in an innovation cycle to explore solutions and identify shared approaches.

III. EVALUATE & PUBLISH SHARED APPROACHES

Evaluate and publish shared approaches to inform the community and drive innovation.

IV. IMPLEMENT FEEDBACK

Implement feedback to refine the community and drive innovation.

INITIATIVE / OBJECTIVE	CONCERNING AREA & TARGET METRIC
Member Participation, Retention & Affinity	<p>Table 1: Member Participation (Track member participation with meaningful metrics)</p> <p>Table 2: Staff Community Engagement (Increase external participation in open public networks that advocate for InCommon)</p> <p>Table 3: Collection Action (Build an advisory and outreach campaign to increase advisory and member support of collection initiatives)</p> <p>Table 4: Help Technical Support (Identify user needs close to the community)</p> <p>Table 5: Design Research (Conduct user research to inform design)</p> <p>Table 6: Distribution & Evaluation (Evaluate design options, gather feedback, and seek advice to inform the development of future initiatives)</p>
Technical Recommendations	<p>Table 7: Design Research (Conduct user research to inform design)</p> <p>Table 8: Distribution & Evaluation (Evaluate design options, gather feedback, and seek advice to inform the development of future initiatives)</p>
Strategic & Security	<p>Table 9: Risk Assessment (Conduct a risk assessment to identify and mitigate risks)</p> <p>Table 10: Security Recommendations (Develop security recommendations to inform the development of future initiatives)</p>
Product	<p>Table 11: Product Strategy (Develop a product strategy to inform the development of future initiatives)</p> <p>Table 12: Product Roadmap (Develop a product roadmap to inform the development of future initiatives)</p> <p>Table 13: Product Innovation (Identify new product ideas and evaluate their potential)</p>
Marketing & Support	<p>Table 14: Marketing Strategy (Develop a marketing strategy to inform the development of future initiatives)</p> <p>Table 15: Support Strategy (Develop a support strategy to inform the development of future initiatives)</p>

Federation Participation Data



SecondMuse: Phase 2I Internet2I Design/Implement Google doc

Introduction:

The purpose of this document is to provide a comprehensive overview of the design and implementation phases of the SecondMuse project. This document is intended for the project team and stakeholders involved in the project.

Objectives:

- Define the scope and goals of the design and implementation phases.
- Identify the key stakeholders and their roles.
- Develop a detailed project plan and timeline.
- Establish communication and reporting mechanisms.

Scope of Work:

The scope of work for the design and implementation phases includes:

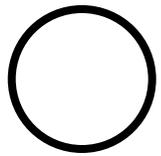
- Conducting user research and requirements gathering.
- Designing the user interface and user experience.
- Developing the system architecture and database design.
- Implementing the system and testing it thoroughly.
- Deploying the system and providing user training.

Timeline:

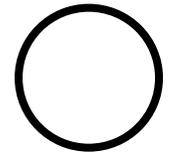
The design and implementation phases are expected to be completed within a timeline of 12 weeks. The project will be managed using a agile methodology, with regular sprints and reviews.

Do nothing

Y.A.H.



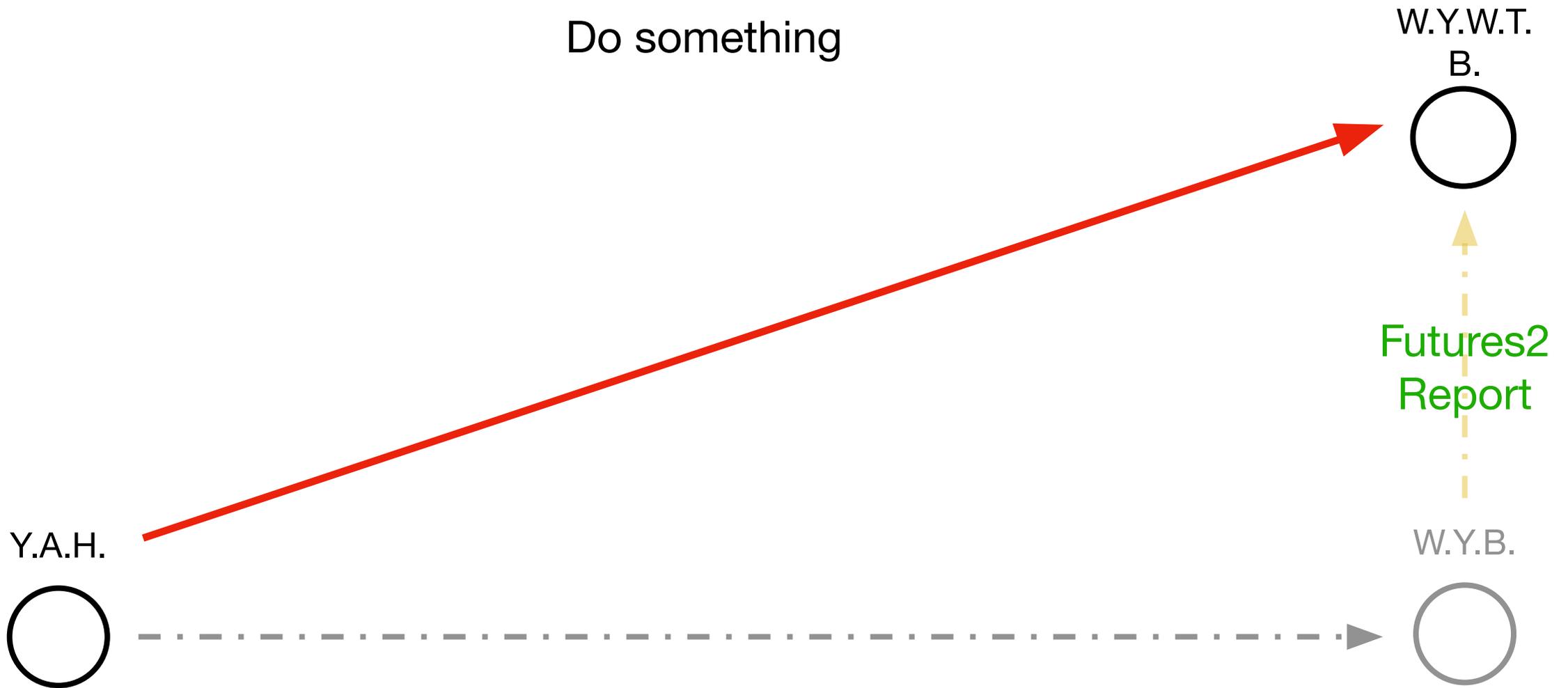
W.Y.B.



Key

- Y.A.H - You are here
- W.Y.B. - Where you'll be
- W.Y.W.T.B. - Where you want to be

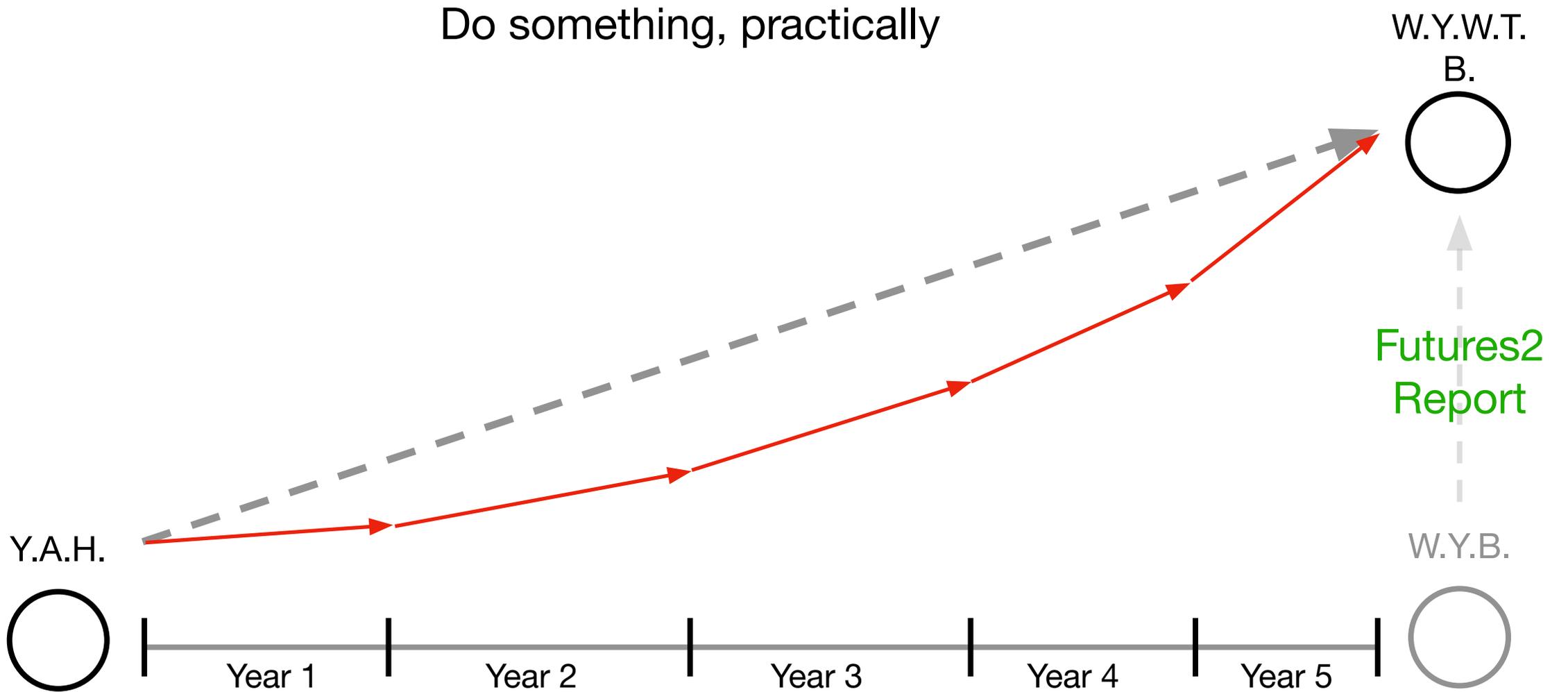
Do something



Key

- Y.A.H - You are here
- W.Y.B. - Where you'll be
- W.Y.W.T.B. - Where you want to be

Do something, practically



Key

- Y.A.H - You are here
- W.Y.B. - Where you'll be
- W.Y.W.T.B. - Where you want to be

The Five Objectives, in one place

1. The newly communicated proposition communicates that InCommon is the trusted collective for R&E institutions looking to build trusted, cost-effective, up-to-date IAM systems.
2. InCommon members feel supported by the guidance Internet2 offers them. Technical recommendations and guidelines address a variety of common needs and critical challenges specific to the audience groups that the InCommon community is composed of. This level of targeted support and leadership distinguishes Internet2 and, by extension, InCommon as the authority on IAM for R&E. Members can better identify their level of IAM maturity, and InCommon can better measure how well solutions are meeting specific needs within the membership.
3. IAM experts within R&E should know that one of the valuable benefits of InCommon membership is knowing how to quickly and efficiently learn about emerging protocols and requirements in order to integrate them into their IAM system. With targeted guidance, members shift from taking a reactive to a proactive approach with regard to enhancing their security approaches within their IAM infrastructure. Membership engagement and retention increases. New community members join Federation due to enhanced security offerings.
4. InCommon takes the lead in upleveling the community to better address the integration challenges that were expressed in the consultation process. These challenges speak to the experience that industry providers have in supporting InCommon products: existing restrictions on admin accounts that are difficult to work around, and the manual, labor-intensive processes required to integrate with InCommon.
5. Each of the **key audience groups** that compose the InCommon membership identified aspects of IAM system management that need improvement. While themes exist across the needs of these groups, institutions must be able to see their needs being anticipated by the solutions Internet2 presents moving forward.

PROMOTING DIGITAL COLLABORATION

Executive Summary

Over the next five years, InCommon leads as the collective authority in devising creative, sustainable IAM best practices for research & education.

Through a four-step, repeatable process, InCommon will effectively engage the community to achieve its strategic objectives.



Download the full report:



STRATEGIC OBJECTIVES

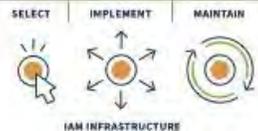
AN EVOLVED, STRONG VALUE PROPOSITION

TRUSTED COLLECTIVE FOR IAM WITHIN R&E



CLEAR GUIDANCE & TECHNICAL RECOMMENDATIONS

HOW TO:



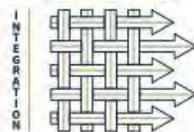
A SECURITY-FOCUSED INNOVATION GROUP

FOR EMERGING PROTOCOLS IN IAM



IMPROVED TOOLS & SERVICES IMPLEMENTATION & INTEGRATION

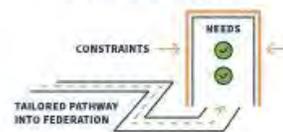
IMPLEMENTATION



TO INCREASE ENGAGEMENT WITH FEDERATION & TRUSTED ACCESS PLATFORM

EASY TO NAVIGATE TOOL & SERVICE OFFERINGS

FOR ALL AUDIENCE GROUPS



ADDRESSING AN EVOLVING IAM LANDSCAPE

INTEGRATING NEXT GEN SECURITY



NEW DIGITAL LEARNING MODALITIES



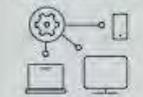
SKILLS GAP & KNOWLEDGE LOSS



PROLIFERATION OF COMMERCIAL OFFERINGS



UNIFICATION, AUTOMATION, INTEROPERABILITY



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InCommon[®]

2023 YEAR IN REVIEW

Community Curated. Future Focused.



Download the 2023 Year in Review





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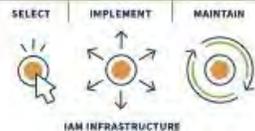
AN EVOLVED, STRONG VALUE PROPOSITION

TRUSTED COLLECTIVE FOR IAM WITHIN R&E



CLEAR GUIDANCE & TECHNICAL RECOMMENDATIONS

HOW TO:



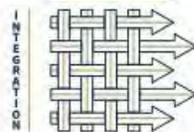
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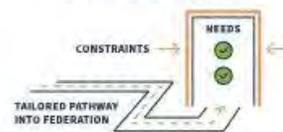
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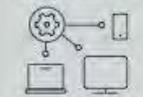
SKILLS GAP & KNOWLEDGE LOSS



PROLIFERATION OF COMMERCIAL OFFERINGS



UNIFICATION, AUTOMATION, INTEROPERABILITY



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CHICAGO

MARCH 4-7

INTERNET2

2024 COMMUNITY exchange

InCommon Futures2

What's next for InCommon?

Marc Wallman, CIO and Vice President Information Technology, North Dakota State University
Kevin Morooney, VP Internet2, Trust and Identity Services & NET+ Cloud Services



IAM as a Practice in Higher Education

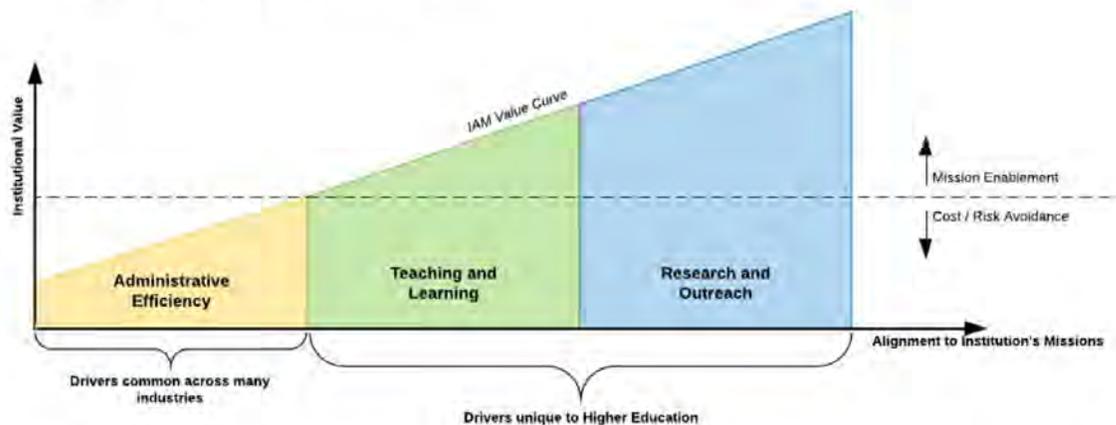


Commonalities with Commercial IAM

- Identity Governance
- Certification and Compliance
- Mostly cost and risk avoidance

Drivers Unique to Higher Education

- Fuzzy borders
- Distributed Constituencies
- Cross-institutional Collaborations
- Mission-focused activities



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