InCommon's Baseline Expectations

Dimensions

- ❏ Security
- ❏ Privacy
- ❏ Transparency/Accountability
- ❏ User Experience
- ❏ Facilitate federated access

Participation Agreement

requires everyone to adhere to Baseline Expectations

Processes

- ❏ Community Requirements
- ❏ Community Consensus
- ❏ Community Dispute Resolution

*Mostly, it consists of tons of **communication** and **help***

Foundations for Research and Education Collaboration
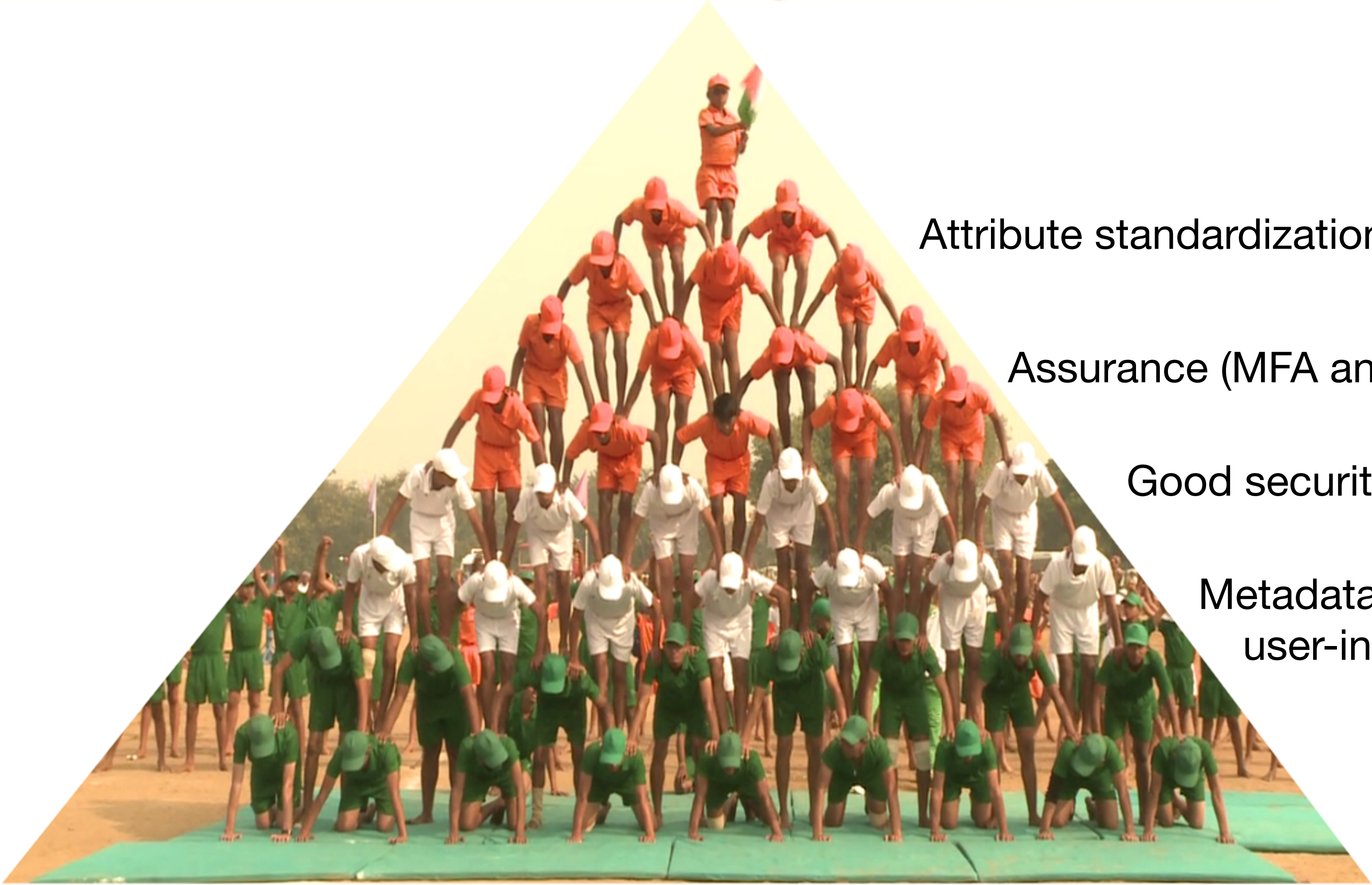
Attribute standardization

Assurance (MFA and Identity)

Good security practices (BEv2)

Metadata including contacts &
user-interface elements(√)

Institutional service
& governance (√)

Baseline Expectations

- Foundational "Baseline Expectations for Trust in Federation" has 1-page of expectations for IdPs, SPs, & Federation Operators (http://doi.org/10.26869/TI.34.2)

- BE 1 required technical, admin, and security contacts and UI elements in metadata for "accurate, complete" metadata.

- BE 2 adds measures to meet general requirements for "generally accepted security practices" in the broad Baseline Expectations.

BE 2 requirements

- Add errorURL to all IdP metadata

- Add compliance with SIRTFI v1.0 trust framework
defines processes and signaling for dealing with security incidents within the federation

- Add requirement for secure unbroken TLS for all end points
SSLabs test suite a convenient tool; "grade" of A meets requirement; lower grade indicates need to mitigate risk

CTAB Membership 2021

David Bantz, University of Alaska (chair)
Brett Bieber, University of Nebraska (vice chair)
Rachana Ananthakrishnan, Globus, University of Chicago
Pål Axelsson, SUNET
Tom Barton, Internet2, ex-officio
Ercan Elibol, Florida Polytechnic University
Richard Frovarp, North Dakota State
Eric Goodman, UCOP - InCommon TAC Representative to CTAB
Meshna Koren, Elsevier
Jon Miner, University of Wisconsin - Madison
Andy Morgan, Oregon State University
John Pfeifer, University of Maryland
Dave Robinson, Grinnell College in Iowa, InCommon Steering Rep, ex-officio
Chris Whalen, Research Data and Communication Technologies
Jule Ziegler, Leibniz Supercomputing Centre
Robert Zybeck, Portland Community College
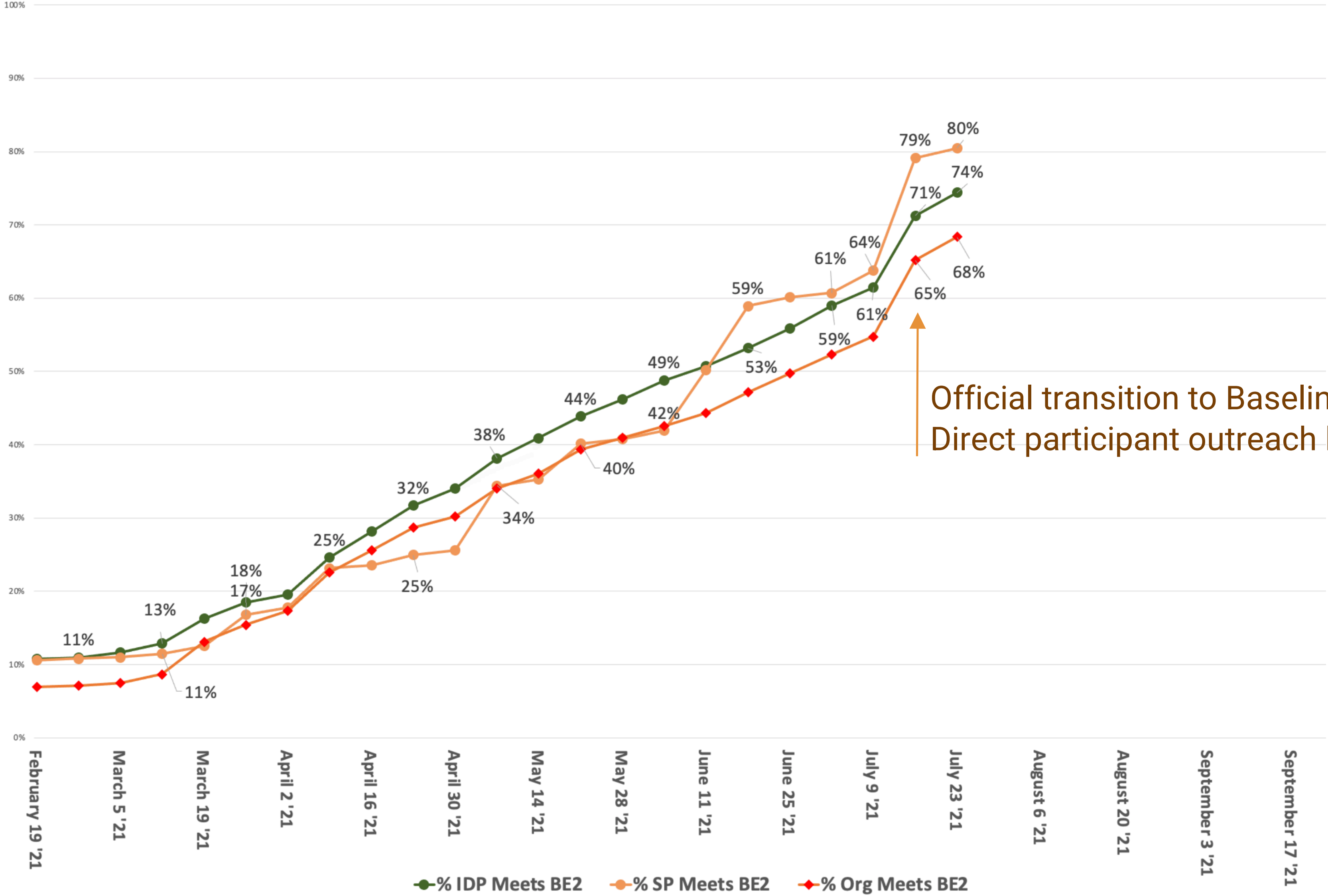
Emily Eisbruch, Internet2
Johnny Lasker, Internet2
Kevin Morooney, Internet2
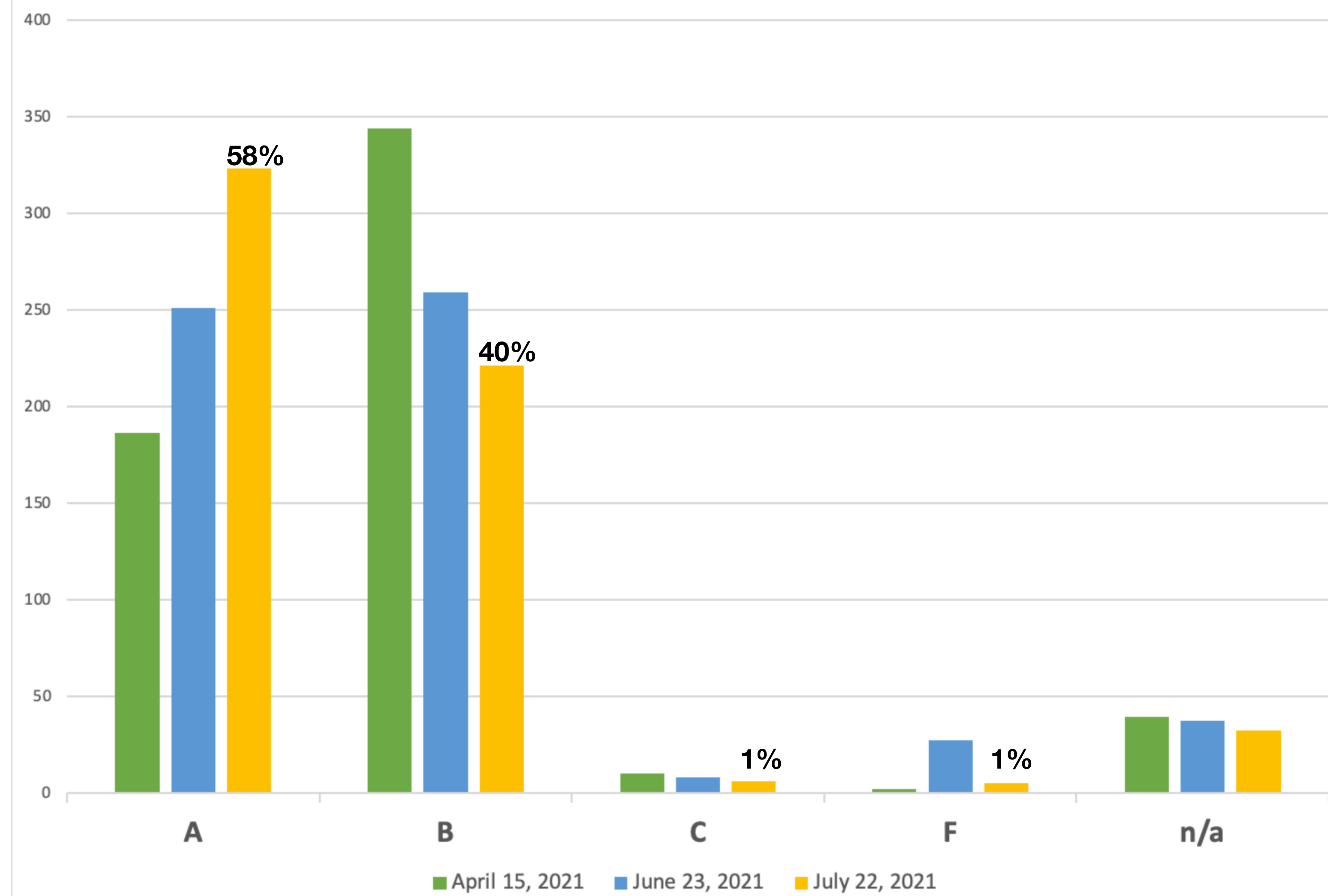Ann West, Internet2
Albert Wu, Internet2

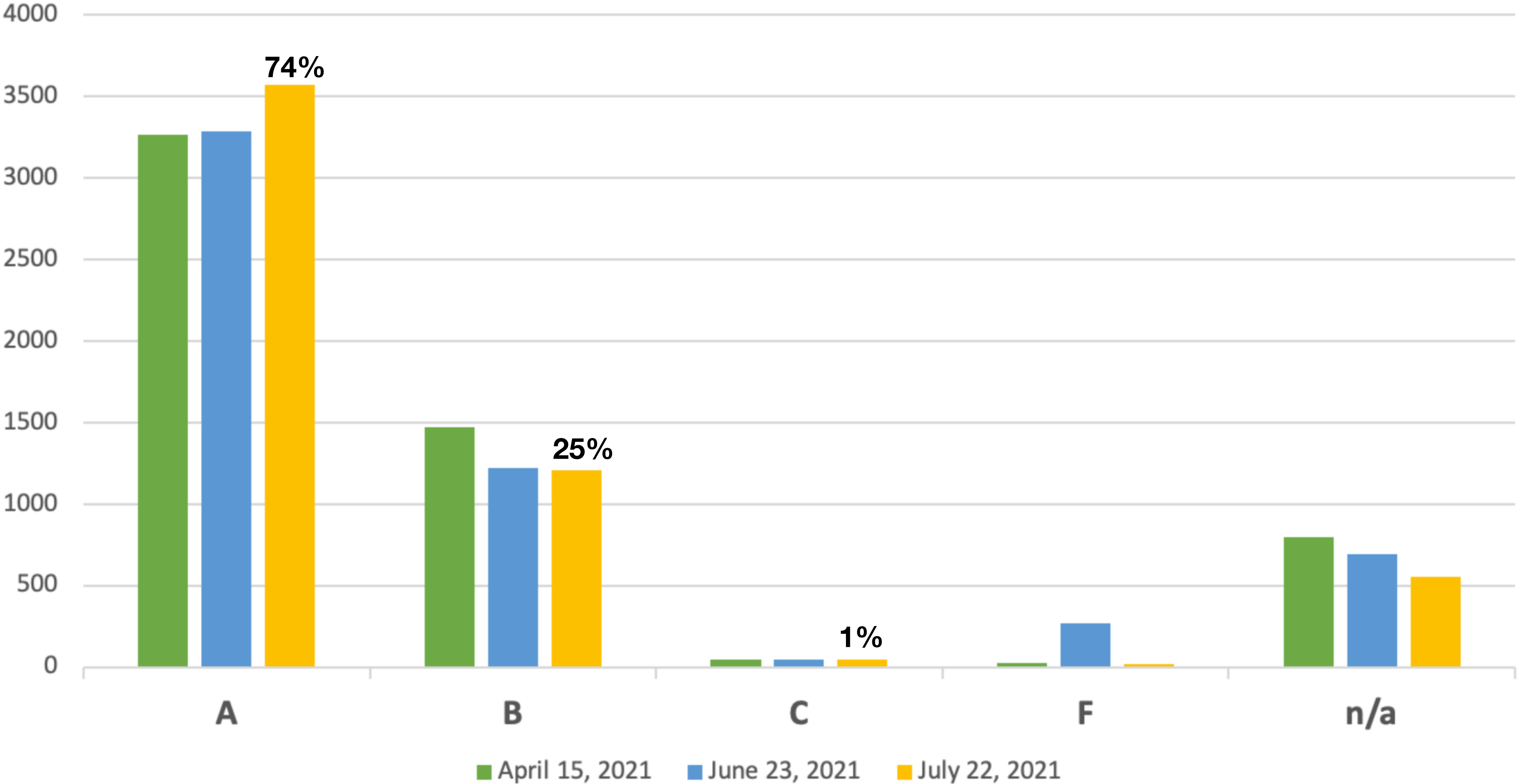**Baseline Expectations Progress - % Meet BE2**

Official transition to Baseline;
Direct participant outreach begins

Legend: % IDP Meets BE2 — % SP Meets BE2 — % Org Meets BE2

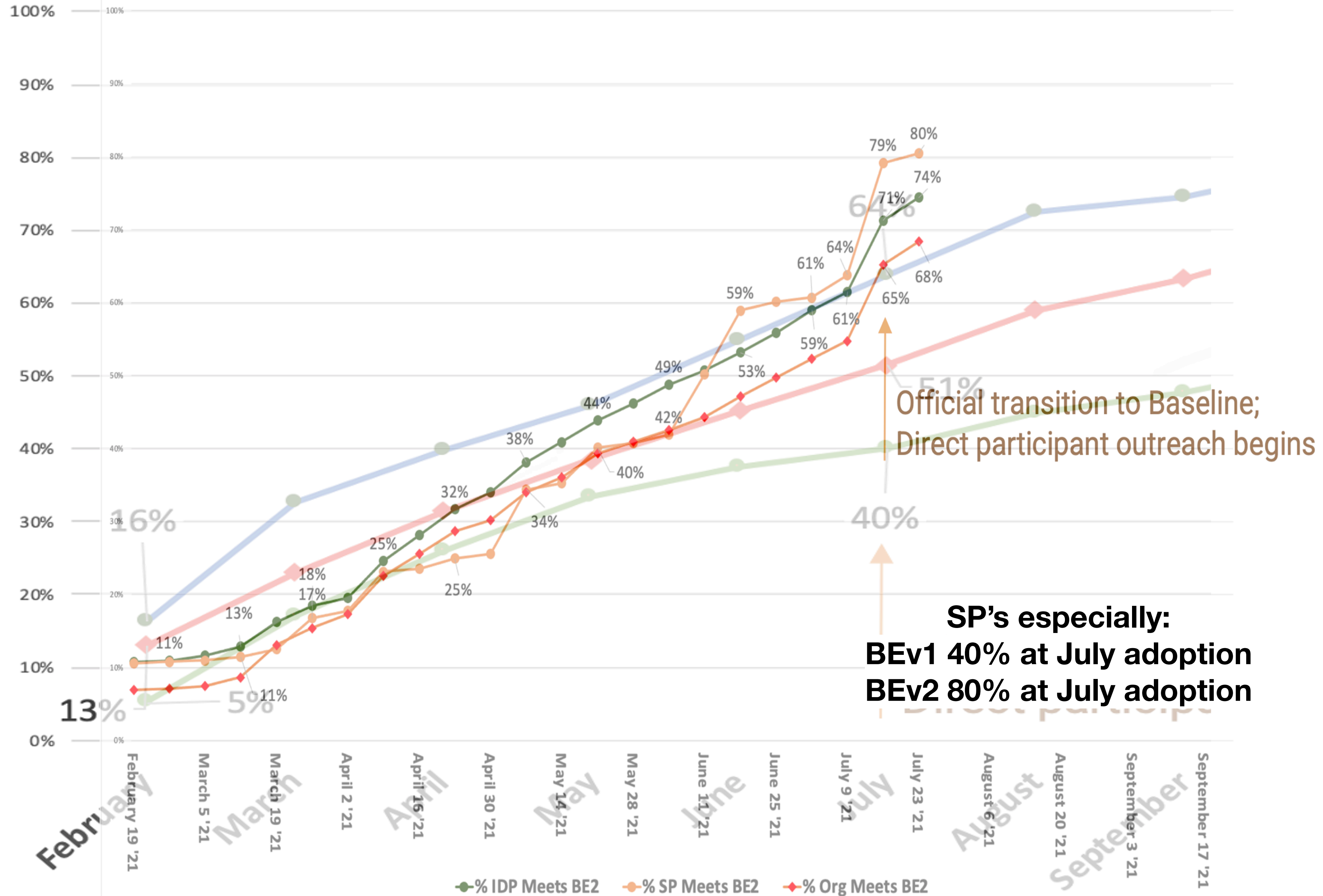https://spaces.at.internet2.edu/display/BE

Endpoint Encryption Test Results among InCommon IdPs

Endpoint Encryption Test Results among InCommon SPs

BEv2 conformance trend is faster than was BEv1

Participants' Questions & Feedback

- Most questions for clarification or for details, not objections

- Participating entities generally engaged and working to implement

- BE2 Implementation Guide and FAQ provide how-to's
  https://spaces.at.internet2.edu/display/federation/be2-implementation-guide-intro
  https://spaces.at.internet2.edu/display/federation/be2-faq

- CTAB Office Hours:

  - May Office Hour well attended

  - Monthly starting 2 August

Home Stretch

- Federation Manager "enforces" BE components; that is the principal impact of the formal adoption of BE2 in July: updates to InC metadata require errorURL and SIRTFI, and they report last known SSLLabs TLS score.

- CTAB is working with operators and institutions to reach the community consensus goal of all entities meeting Baseline Expectations. CTAB anticipates some edge cases will require extensions or exceptions if participants provide rationale and plan.

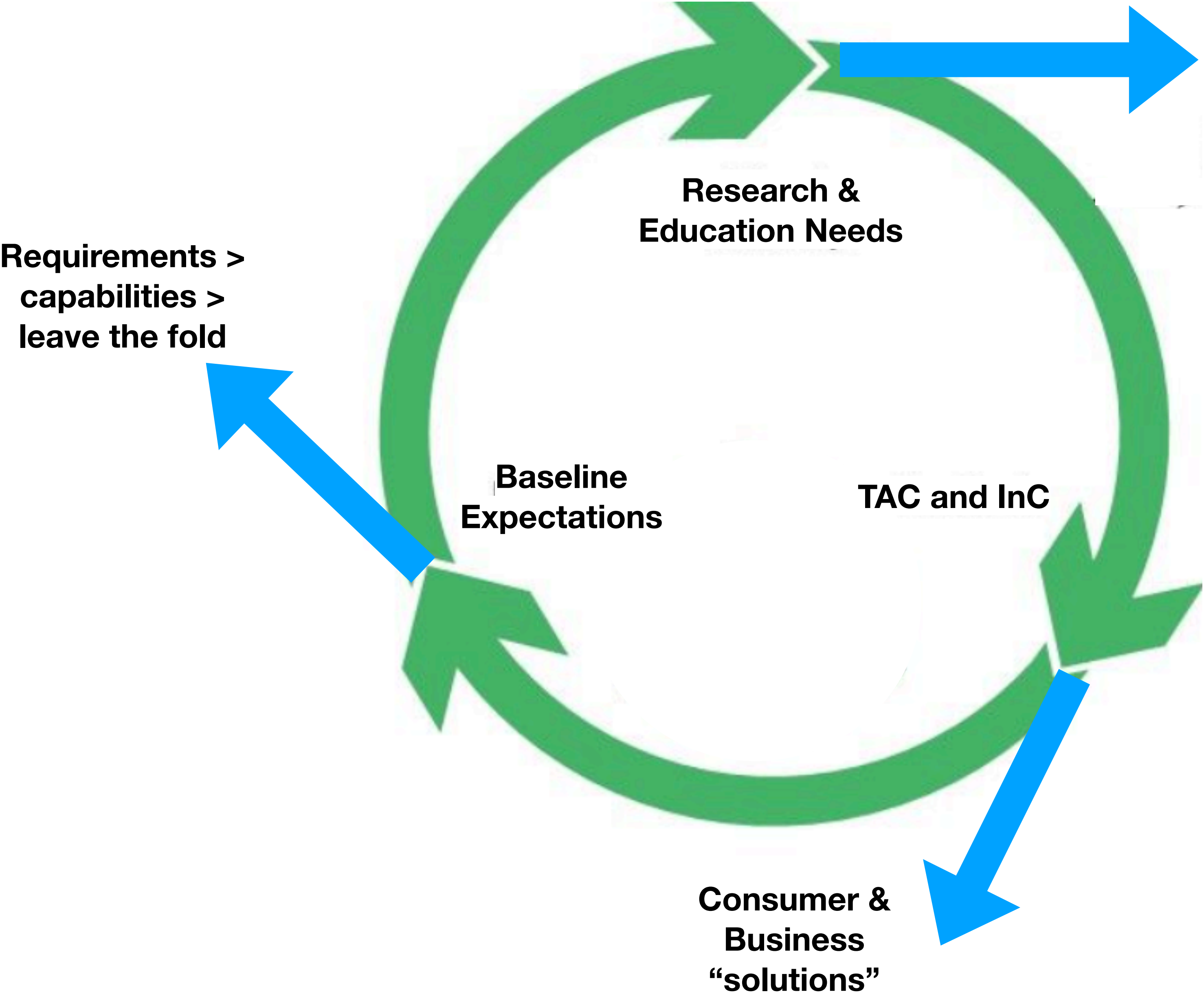- Fallback is the careful Community Dispute Resolution Process
  https://www.incommon.org/federation/dispute-resolution/

BE2 Closing Activities Timeline

Date	Activity	RACI
July	Assemble list of non-adhering orgs/entities	R - Albert A - CTAB
July	Schedule and host BE2 Office Hours; Office hours may occur monthly(?) from August through December	R - CTAB; Albert A - CTAB
August	Publish list of non-adhering entities on wiki	R - Albert A - CTAB
August	Resume bi-weekly email notification with updated message reflecting change in BE2 status relative to Federation	R - InCommon Ops A - CTAB
September	Begin tracking via dispute resolution docket (wiki)	R - Albert A - CTAB
October	targeted engagement with orgs on dispute resolution docket	R - CTAB A - CTAB
October	launch extension submission/tracking form	R - InCommon Ops A - CTAB
July - December	continue to revise BE2 FAQ and support materials	R - CTAB/Albert A - CTAB
December 17	BE2 Closing Deadline	
January 2022	Work with orgs who have received extension	
February 2022	100% adherence	

BE2 and NIH Assurance

- Near-simultaneous notices in Spring probably left some confused

- Subsequent carefully timed and distinct messaging has clarified

- Assurance & BE2 are of course complementary

- Should we have pushed for MFA in BE2?
  Should MFA be part of BE3 in the near future?

InC Steering: Reign in Centrifugal Forces!

Unique Tools

Research & Education Needs

Requirements > capabilities > leave the fold

Baseline Expectations

TAC and InC

Consumer & Business "solutions"

Staying the Course entails constant acceleration
OR
As the Red Queen tells Alice:

"*My dear, here we must run as fast as we can, just to stay in place. And if you wish to go anywhere you must run twice as fast as that*."