# CACTI FIM4R Gap Assessment

Chris Phillips, CANARIE – Member and Chair of Internet2
Community Architecture Committee for Trust and Identity (CACTI)

# What is CACTI?

- **CACTI - Community Architecture Committee for Trust and Identity (CACTI)**
  - Standing architecture strategy and advisory group
  - 12 community members, 3 international.
  - Charter:
    - Create and manage I2 T&I community working groups as needed
    - Manage and evolve community standards for Internet2 T&I
      - e.g.,schema, API contracts, MACE registry, etc.
    - Coordinate and participate with external bodies in establishing standards.
    - CACTI officially approves and adopts such standards and processes

# Assessment Approach

- **Engaged main working groups**
  - TAC – Technical Advisory Committee
  - CTAB – Community Trust and Assurance Board
  - TIER Architects –Internet2 Trust and Identity Software teams
  - Community at large
- **Focused on subset of FIM4R defined areas**
  - NRENS
  - Home organizations
  - R&E Federations
- **Recommendations rather than enumeration**
  - T&I is a complex, broad, and deep topic
    - 122 activities in 14 major software related disciplines inside Internet2.
  - Focus on most impactful areas

# Priority Recommendation

- Invest in areas to support Collaboration-as-a-Service
- Support must include both services and underlying infrastructure
- Specifically
    - Support CILogon as a critical service.
    - Establish TIER packaging default settings and profiles that support easy use of CoManage and CILogon
    - Invest in the capacity to deliver production-level federation trust in next generation trust protocols, specifically OIDC Federation

# Increase Alignment with Research Needs

- Formalize annual assessment of tools and services
- Creation of "Best Community Practices"(BCP) and tools to implement them
- Improve channels of communication and advocacy
- Foster partnerships between the researcher community and IAM professionals
- Actively cultivate expertise and in-house knowledge of these solutions and BCPs in the field

# Improve Trust and Identity Governance

- **Improve research representation at all levels of Internet2 T&I**

# Delivering on the Recommendations

- **Maintain keen eye on sustainability and supporting behaviors:**
    - Identify one time activities to be annualized to reduce effort
    - Specifically:
        CACTI to help facilitate a single Internet2 T&I roadmap by mid-2019.
- **Coordinate to maximize benefits by engaging with:**
    - Global peers (NRENS, REFEDS)
    - US with national platform projects
        eg: Science Gateways, Globus
- **Continue to seek more partnerships with:**
    - Cloud providers
    - Campuses
    - Federal funding agencies

# What's Next

- **Focus on Trust and Identity roadmap for 2019**
  - Already in progress starting with TAC roadmap planning
- **Act on recommendations**
  - Improving sustainment practices
  - Assist improving communication between TAC, CTAB, TIER Architects and other partners
  - Engage with REFEDS, GÉANT, and other communities

# Related Links

- CACTI
  - https://spaces.internet2.edu/display/CACTI
- CACTI Gap FIM4R Assessment
  - https://spaces.at.internet2.edu/display/TI/TI.112.1