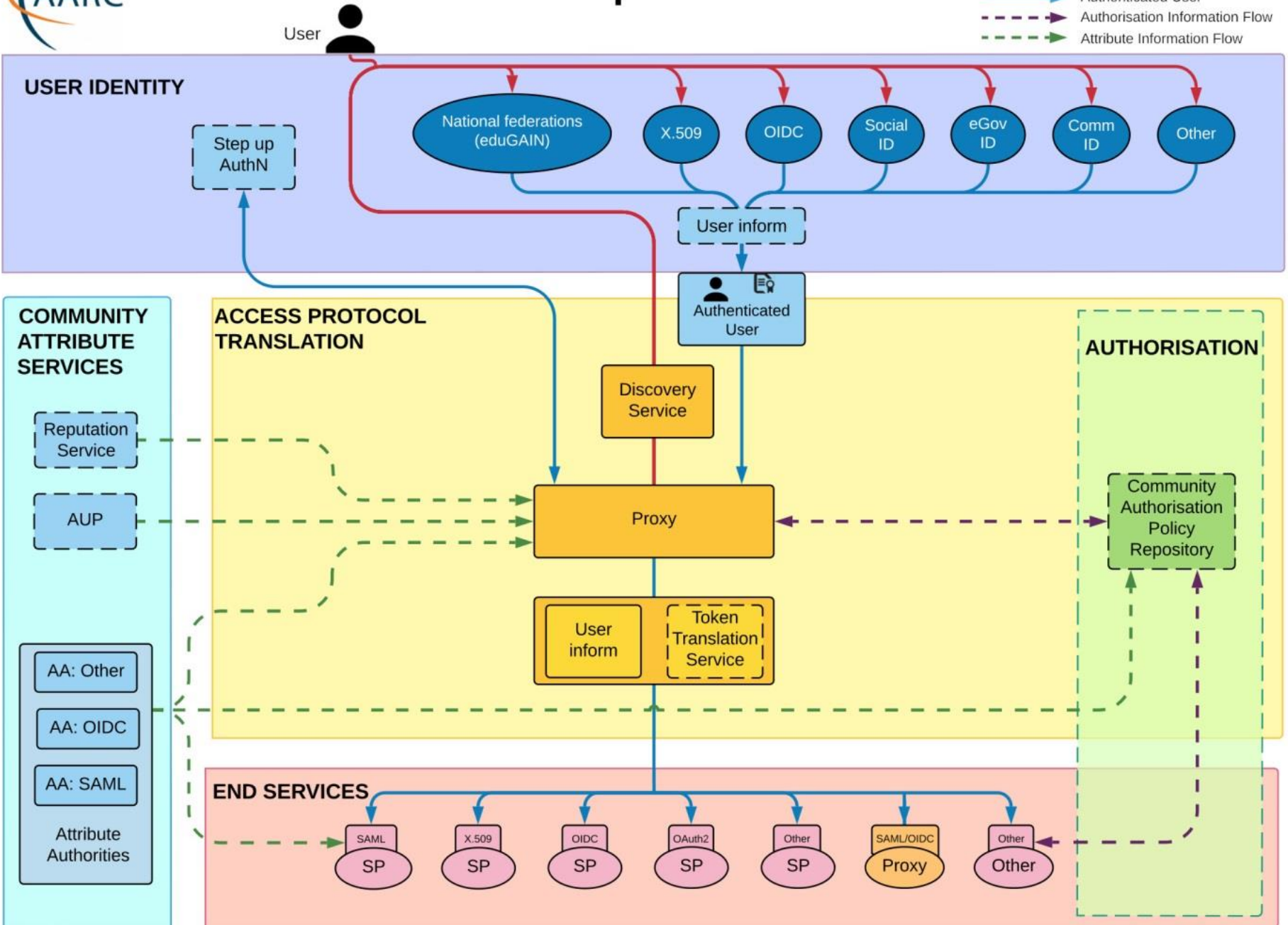# AAAI stuff

TWG update, 16 July 2019

Goals

- Build on existing work
- Users authenticate with single account
- Goldilocks LoA
  - Step up
- Community-based authorisation
- Cross-connecting to other e-infra
- Multi-protocol support
  - Web, CLI, ssh, etc
  - Delegated

AARC Blueprint Architecture

Authentication

- ## What we have
  - UK Access Management F.
  - Assent
  - UK e-Science CA "higher" assurance
- ## What's missing
  - Proxy service in production
  - Useful attributes from IdPs
  - Assent support in IAM
  - Account mapping/linking (bypass case)
  - IdP Assurance levels (IdP or proxy managed)
  - Non-certificate credential delegation incl CLI support

Authorisation

- What we have
  - VOMS
  - Token based authorisation
- What's missing
  - Attributes available to proxy (cf Pathfinder)
  - Attribute translation (e.g. AARC-G002)
  - KeyCloak integration, attribute authorities
  - Consistent authorisation decisions

Accounting

- What we have
  - SAFE
  - APEL
  - Standards for some things eg. StAR (GFD.201)
- What's missing
  - Unified approach
  - Storage accounting (cf. grid experience)

AAACTIVITIES

AAACTIVITIES\SCOPE	ORGANISATION	USER COMMUNITY
STFC	UKAMF, Assent, ADFS, internal SSO (LDAP, K5, etc.)	IRIS AAI Umbrella (PANS community) UK eScience CA (~PPAN) SAFE (Hartree), Assent (SCARF)
UKRI	Cross council team SBS	"e-infra roadmap"

Quick Notes on eInfra AAAAI

- Led by JISC
- Need accounting – lots of tech gaps
- Audit – need to know who used what, when
- Roadmap submitted to EPSRC Dec 18;
- Aiming to have 2-3 detailed options Jan 20
  - Technologies, implementations, architecture, protocols, governance
  - Built on existing impl of best practices, incl IRIS AAI
  - Humanities (UKDA) from Shib to OIDC feds.
- Attr release: "bilateral data share agreements more effective than R&S & CoC"
- Higher LoA for healthcare (cf. Safe Share)