

Trust & Identity Incubator - Pixie Dusting

REFEDS @TechEx2019

New Orleans, Dec 9 2019

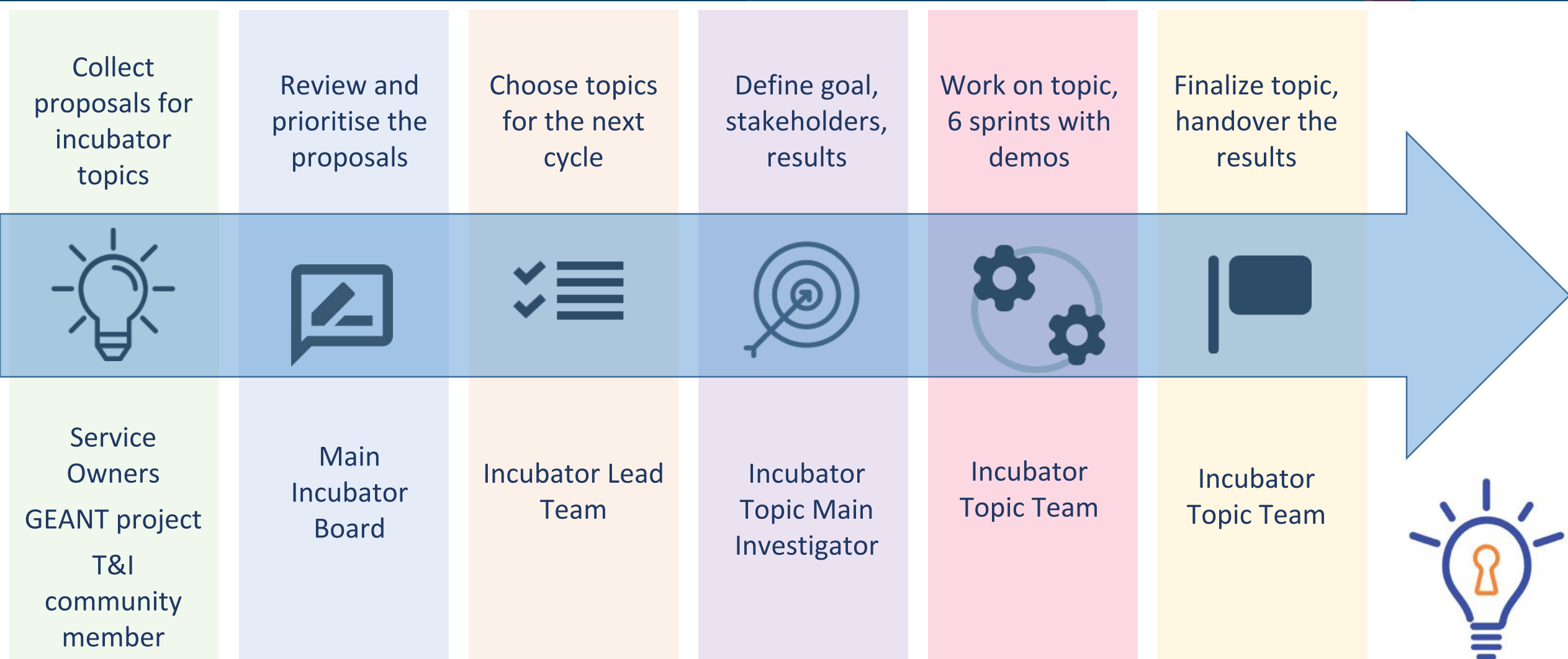
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TRUST & IDENTITY
INCUBATOR



Trust & Identity Incubator



How can research communities make statements on federation entities?

- For example sirtifi+
- Community trustmarks on top of RAF
- Leverage or share existing statements
- Protocol agnostic

Add to eduGAIN? Mmm, that's really tricky because of the trusmodel

Local Trustmarks may be the answer

Makes statements in the context of a 'local' community

- Nothing new: National federations have been doing this for ages

Take data from existing trust anchor and add on top of that

- Similar to a VO adds VO attributes on top of IdP statement

Needed:

- A CO trust anchor
- Pixie dust

The plan: Pixie Dust

A place to consume existing trust

- eduGAIN metadata

A place to add tags to these entities

- A registry (Jagger, Janus, etc)

A place to publish enhanced metadata

- Metadata signing by community

Community services (or a AARC BPA proxy) consume community signed metadata



The Pixie-Dust collaboration wants to allow entities to assert SIRTFl+

1. Create metadata feed for the Pixie-Dust VO
 - Based on existing federation metadata
2. Allow Service controlled access to registry to **tag it's own entity**
3. VO admin confirms tag validity for entity
4. Metadata with tag made available

A demonstrator

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1. Create metadata feed for the Pixie-Dust VO
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3. VO admin confirms tag validity for entity
4. Metadata with tag made available (part of movie #3)

Pixie dusting technically works

- may be based on existing tools
- and a bit of glue

<https://wiki.geant.org/pages/viewpage.action?pageId=120500327>

Trusted place is still needed to hold the signed metadata

- Perhaps a community AAI?
- Holding multiple signing keys may become an issue

Questions

