



**Citizen-centric schema**

# Topics

- Overall Scalable Privacy Goals
- Developing the Attribute Use Cases
- Prior and related work
- Next Step Processes
- Desired Outcomes
- Who's listening?

# Privacy foundational elements

- Citizen-centric schema
- Privacy managers
  - Controls the release of personal attributes
  - Spans user contexts
  - Relies on the trusted metadata for informed consent
- Trusted meta-data
  - About relying parties and IdP's
  - Vetted by the federation and by third-parties
- Anonymous credentials
  - Integrated at key junctions into the ecosystem, leveraging existing infrastructure
  - In software, use of metadata, and user experience





# Categories of use cases

- Accessibility
  - Physical, cognitive, age-related, etc.
  - Global Publically Inclusive Internet (gpII.net)
- Operational Government
  - Transaction based
  - May be out of scope
- “Social Government”
  - Community wikis, on-line discussions, news feeds, etc
  - Generally local in nature, often requiring anonymous but attribute-controlled access (e.g. resident, registered voter, over legal age, etc.)
- Envision It Scenarios
  - Contained in Full NSTIC Strategy (April 2011)
  - [http://www.whitehouse.gov/sites/default/files/rss\\_viewer/NSTICstrategy\\_041511.pdf](http://www.whitehouse.gov/sites/default/files/rss_viewer/NSTICstrategy_041511.pdf)
- UMA developed
- IdeSG provided
- European multi-government use cases

# Overall Approach

- Create brain-trust
- Identify driving use cases
- Identify prior and related activities
- Distill sets of requirements
- Structure the approach
  - Develop strategy for referencing related work
  - Develop strategy for creating new materials
  - Develop approaches to aggregation into schema, meta-data, etc
- Develop social and technical processes that create a first draft
- Circulate broadly for inputs and comments

# Year 1+ Activities

- Identify schema for reference and strategies for reference
- Develop and publish a prototype attribute registry
- Expand the attribute registry to include additional metadata as suggested in the course of the work
- Assemble existing or proposed real-world use cases to drive schema development
- Investigate models for conveying appropriate access4all preference sets to relying parties
- Detail the various elements of each of the canonical use cases per the context-centric model



# Year 1+ Activities

- Deploy at least proof of concept solutions to canonical use cases
- Demonstrate end-to-end support for accessibility based on user-specified preference sets
- Develop a distributed registry model and demonstrate query capabilities across that distributed model
- Publish training materials to disseminate good practices that emerge from this work
- Conduct training and education sessions in appropriate venues
- Publish document, "How to build an online service that addresses privacy and accessibility concerns by design"

# Framing the User and Roles

- A person operates in one of several roles when on-line:
  - As a citizen
    - At local, state and national levels
  - As a worker-employee
    - With other businesses, with governments, with consumers
  - As a consumer
  - As a physical entity
    - Geolocation, age, personal preferences, etc
  - Maybe one or two others
- In managing their privacy, what parts of the user experience should be consistent between roles and what may be different?

# Of contexts, credentials, and bundles



# Who's the Audience?