Trust & Identity Incubator

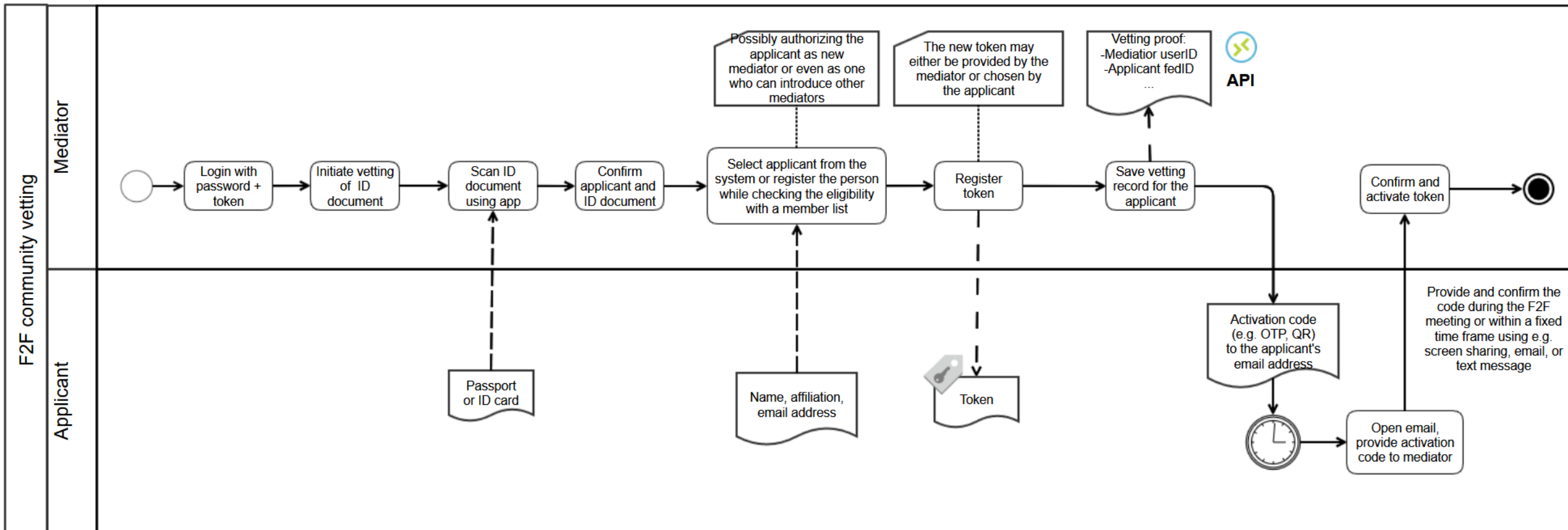## Community-Based Trust Establishment
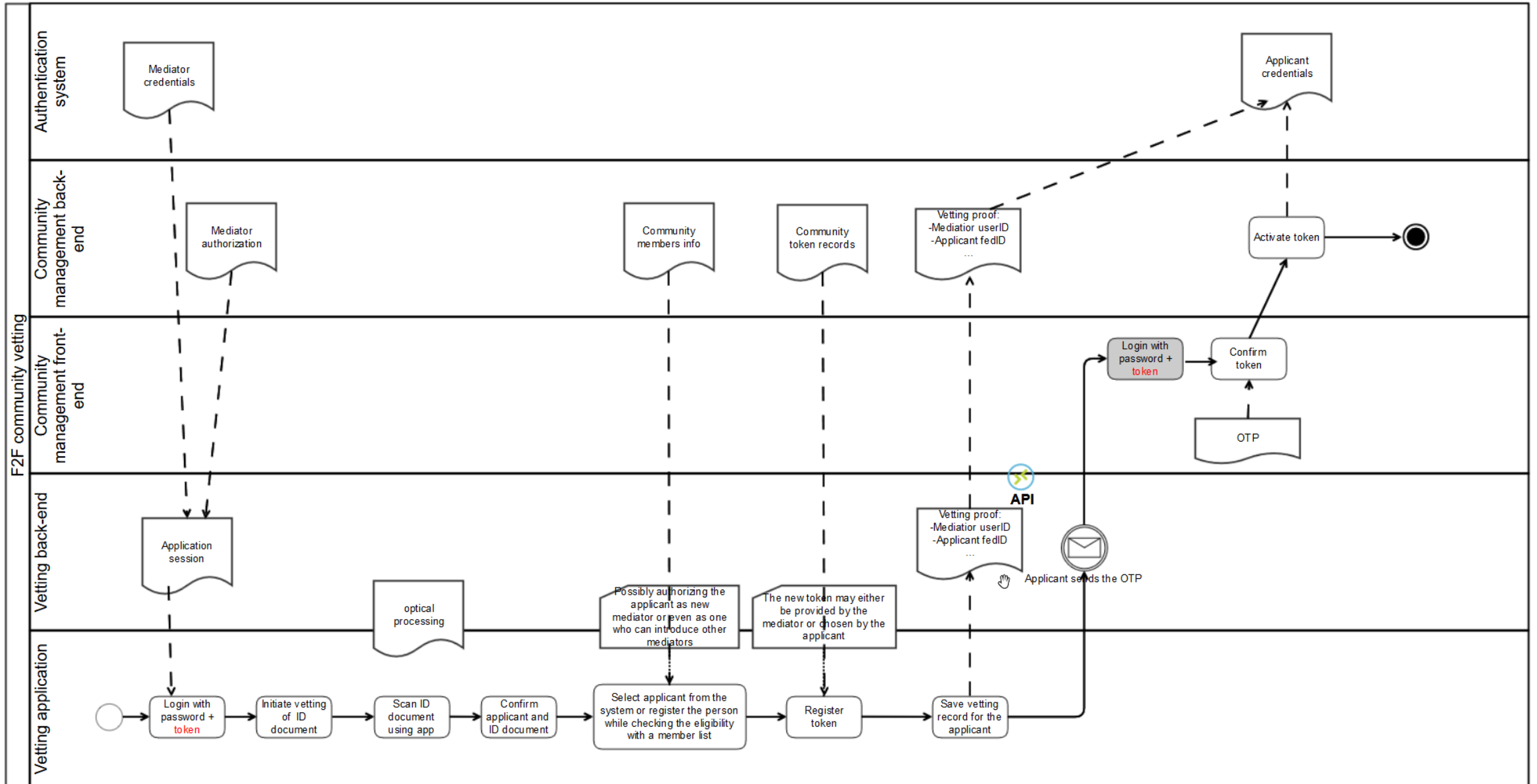
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Sprint Demo, 12-17-2019

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Overall Community Vetting Workflow

Technical Community Vetting Workflow Outline

Community Trust Vetting Demonstrator

- Various potential sources
  - Passport (or other IDs)
  - Attributes/claims as provided through federated identity
  - Affiliation (as validated via InAcademia)
  - ORCID ID (optional)
  - RA (mediator) attestations
- Additional requirements
  - Minimal storage of personal data
  - Self-service for both end-users and RAs, making then aware of stored data
  - Validation based on real-time information exchange

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Technical Requirements and Design

- Web-based GUI

- Start with token self-registration (?)

- Collection of attestations by querying external sources

- Federated authN: act as SAML SP (eduGAIN) or OIDC RP (InAcademia)

- Data from ReadID app (via the vendor's API?)

- Querying ORCID records

- Potential implementation elements
  - Data recording API for RAs and end-users to attest the use of tools and actions
  - RAs statements to be stored in the same way as technical attestations
  - Express agglomerations and states (hardcoded, via rule expressions?)
  - Asynchronous notification of the applicant and RA needed (email, OTP …?)
  - Status, based on defined agglomerations or state sequences.
  - SimpleSAMLphp?
  - Hierarchical data storage (LDAP, MongoDB, CouchDB…) or perhaps RDBMS?
  - Updates from several sources (via template-based plug-ins?)
  - Listeners for changes/events in the DB (a few related plug-ins?)

Thank you

Any questions?

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