

2022-03-24 GSWG Meeting Notes

Meeting Date

24 Mar 2022

Zoom Meeting Link / Recording

- https://zoom.us/rec/share/R6o8NrBb7oZvJBCsoSFU-7fAPkVscon7ByTIPjxf6nJRjNeNW2oQKILLq_JcR5IV.eXQOXAFV13ZI1HKi

Attendees

- [Drummond Reed](#)
- [Scott Perry](#)
- [Carly Huitema](#)
- [Alex Tweeddale](#)
- [Callum Haslam](#)
- [Daniel Bachenheimer](#)
- [Eric Drury](#)
- [Judith Fleenor](#)
- [Kyle Robinson](#)
- [Lynn Bendixsen](#)
- [Steven Milstein](#)
- [Stephen Curran](#)
- [Nicky Hickman](#)

Main Goal of this Meeting

GSWG Plenary and Kick off to Layer Specific Governance Template building efforts.

Agenda Items and Notes (including all relevant links)

Time	Agenda Item	Lead	Notes
4 min	<ul style="list-style-type: none">• Start recording• Welcome & antitrust notice• Introduction of new members• Agenda review	Chairs	<ul style="list-style-type: none">• Antitrust Policy Notice: Attendees are reminded to adhere to the meeting agenda and not participate in activities prohibited under antitrust and competition laws. Only members of ToIP who have signed the necessary agreements are permitted to participate in this activity beyond an observer role.• New Members:
1 min	Review of action items from previous meeting	Chairs	<input checked="" type="checkbox"/> ACTION: Chairs will work with Carly Huitema and Judith Fleenor to create the Learning Pathway home page. Learning Pathway Drafts
5 min	Announcements		<p>News or events of interest to Governance Stack WG members:</p> <p>Avast has purchased SecureKey, a Canadian security services company.</p> <p>AWS has expressed interest in joint marketing for utility layer governance.</p> <p>Apple has started promoting digital credentials in wallets. Mobile Driver's license are currently a closed system which presents a challenge to interoperability.</p>

40 mins	Introduction to Layer Specific Governance Templates	<p>Scott Perry</p> <ul style="list-style-type: none"> • Walk through the Project Overview • Discuss work started partnering with the UFWG • Establish Task Force Scheule and off-line processes • Goals and objectives for next meeting <p>Drummond Reed</p> <p>Links to documents: https://docs.google.com/document/d/1uLs-m1Oor7g8GYNNnWtoZ2b9JOrK-xvW2ql__zuSbQg/edit#</p> <p>Alex Tweeddale</p> <p>Kyle Robinson</p> <p>Kyle's presentation referred to this wiki: https://github.com/bcgov/bc-vcpedia/wiki</p> <p>First Scott explained that the next steps to build on the ToIP governance metamodel is to begin developing layer-specific templates.</p> <ul style="list-style-type: none"> • The natural place for this to start is with ToIP Layer 1 public utilities. Utility Foundry WG co-chairs Alex Tweeddale and Lynn Bendixsen are here to talk to that today. • Kyle Robinson will talk about the needs at Layer 3. <p>Second, Kyle gave a presentation about the governance framework work they are doing in British Columbia.</p> <ul style="list-style-type: none"> • He began by showing a view of the 4-layer ToIP stack that fills in all of the requirements for a full operational instance of the stack (see screenshot #1 below). <ul style="list-style-type: none"> ◦ The left side shows the technology stack implementation that BC Gov is using. ◦ The right side shows the different governance frameworks involved. • He then showed a diagram from the ToIP interactive model that fills in the different parties involved in the digital trust ecosystems being developed in British Columbia (see screenshot #2 below). <ul style="list-style-type: none"> ◦ Kyle stressed that an "ecosystem" can be very simple. ◦ Also, two ecosystems can intersect with each other and produce synergies without any formal recognition of each other. ◦ Nicky Hickman: I love the idea of fuzzy boundaries - I guess this is where the semantics comes in - the same credential might mean something in different ecosystems. Contextual and dynamic policy & governance • Stephen Curran asked a question about separation and avoiding dependencies. He asked for examples of Layer 3 specific credential governance frameworks (CFGs). <ul style="list-style-type: none"> ◦ Drummond said that most CGFs that have been developed in the wild so far have been "packaged" inside of Layer 4 ecosystem governance frameworks (EGFs). ◦ A specific example is the CGFs that are part of the GLEIF vLEI EGF. See the documents at the bottom of the page: https://www.gleif.org/en/lei-solutions/gleifs-digital-strategy-for-the-lei/introducing-the-verifiable-lei-vlei. The links for the four CGFs included are: <ul style="list-style-type: none"> ▪ Qualified vLEI Issuer vLEI Credential Governance Framework A document that details the requirements to enable this vLEI Credential to be issued by GLEIF to Qualified vLEI Issuers, which allows the Qualified vLEI Issuers to issue, verify and revoke Legal Entity vLEI Credentials, Legal Entity Official Organizational Role vLEI Credentials and Legal Entity Engagement Context Role vLEI Credentials. ▪ Legal Entity vLEI Credential Governance Framework A document that details the requirements for a vLEI Credential, the entity level vLEI Credential issued by a Qualified vLEI Issuer to a Legal Entity. ▪ Legal Entity Official Organizational Role vLEI Credential Governance Framework A document that details the requirements for vLEI Role Credentials issued to official representatives of a Legal Entity. These vLEI Credentials are issued by Qualified vLEI Issuers who are responsible for the validation of persons in official roles against one or more public sources. ▪ Legal Entity Engagement Context Role vLEI Credential Governance Framework A document that details the requirements for vLEI Role Credentials issued to representatives of a Legal Entity in other than official roles but in functional or other context of engagement. These vLEI Role Credentials can be issued and revoked by a Legal Entity itself, or a Qualified vLEI Issuer can provide these value-added services to a Legal Entity. • Kyle then showed examples from the BC Gov "verifiable credentials wiki" at https://github.com/bcgov/bc-vcpedia/wiki of how educational credentials work in BC Gov governance frameworks that are in development. <p>Finally, Scott Perry said that he is going to create 8 placeholder documents:</p> <ul style="list-style-type: none"> • 4 layer-specific templates • 4 Companion Guides <p>He stressed that they will be "messy" for quite a while, however that's where we will start to aggregate all the pieces that will eventually go into the final deliverables.</p>
45 mins	Any other business	
5 mins	<ul style="list-style-type: none"> • Review decisions /action items • Planning for next meeting 	Chairs

Screenshots



Layer 4

Technology Stack

Application Ecosystems

- Public machine-readable docs
- Trusted wallet DIDs v1.0 or Trust registry
- Emissions presentation definition v1.0

Data Exchange Protocols

- Scope 1 Emission Schema v1.0 (AnonCred)
- Carbon Intensity Schema v1.0 (AnonCred)

Peer-to-Peer Communication

- Hyperledger Aries (AIP 2.0)
- Traction API on ACAPy (Multi-tenant)

Public Utilities

- Hyperledger Indy

Layer 3

Layer 2

Layer 1

Governance Stack

Ecosystem Governance Frameworks

- OpenClimate Governance v1.0
- BC Climate Action Secretariat Governance v1.0

Credential Governance Frameworks

- Scope 1 Emission Credential v1.0
- Carbon Intensity Credential v1.0

Agent/Wallet Governance Frameworks

- BC Gov Traction Service v1.0
- OpenEarth Traction Service v1.0

Utility Governance Frameworks

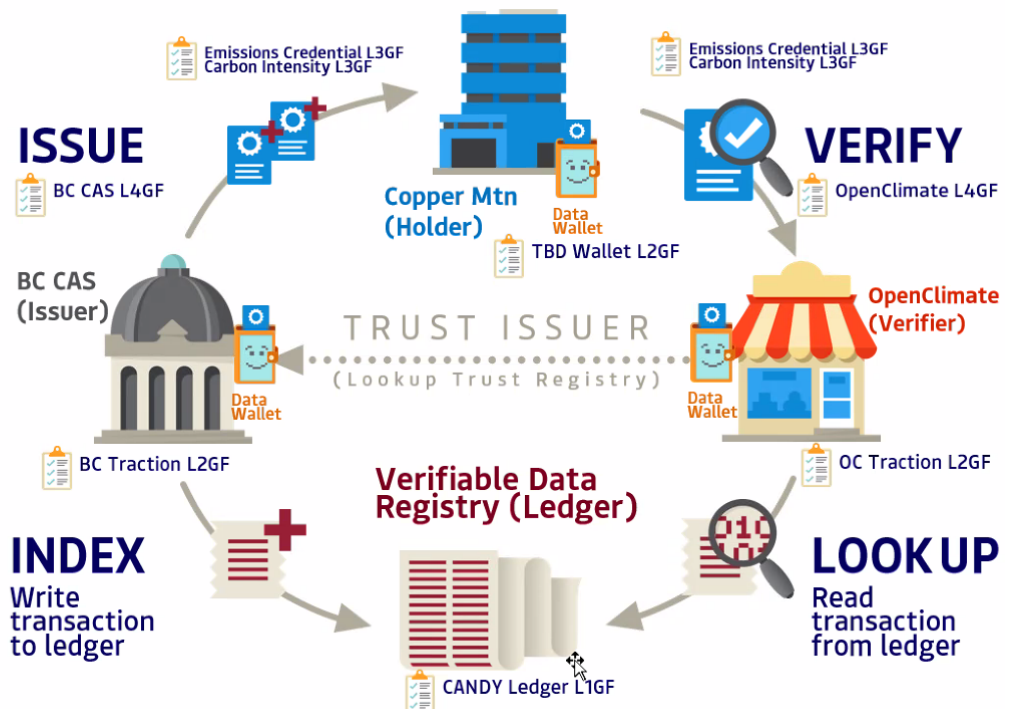
- CANDY (Canadian Indy Network)
- Other Indy Networks (e.g. Sovrin, Indicio)

#2



Carbon Accounting Pilot

USE CASE



Decisions

Action Items