

Data Spaces Symposium

TNO Security Gateway &
Dataspace Protocol

Maarten Kollenstart



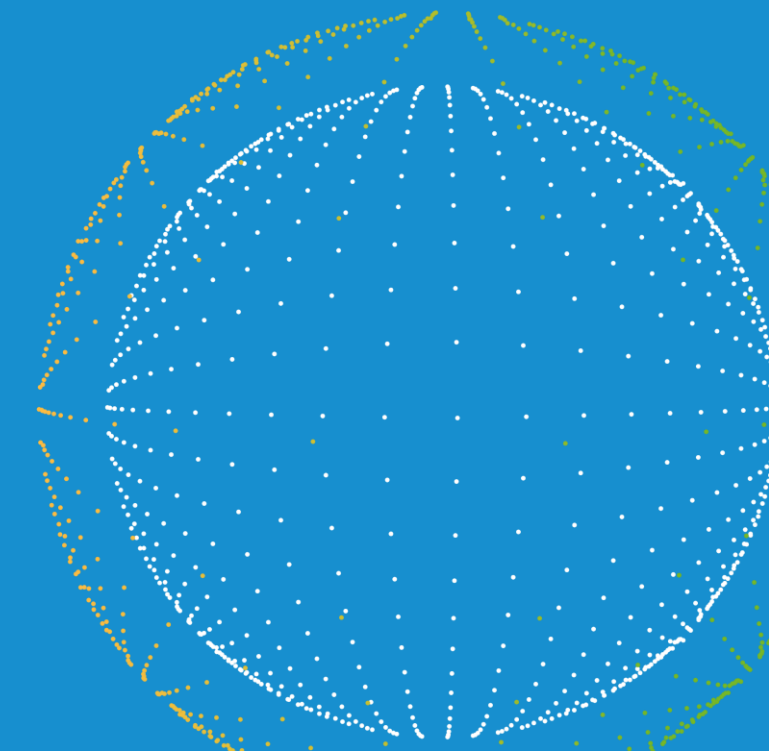
TNO Security Gateway

- IDS Connector
 - RAM4.0
 - Communication Guide



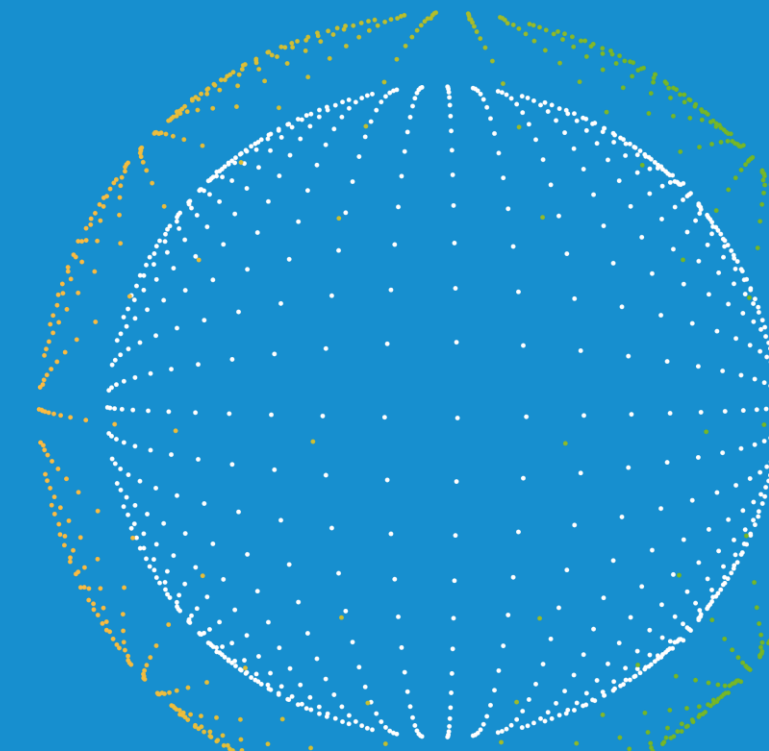
kubernetes

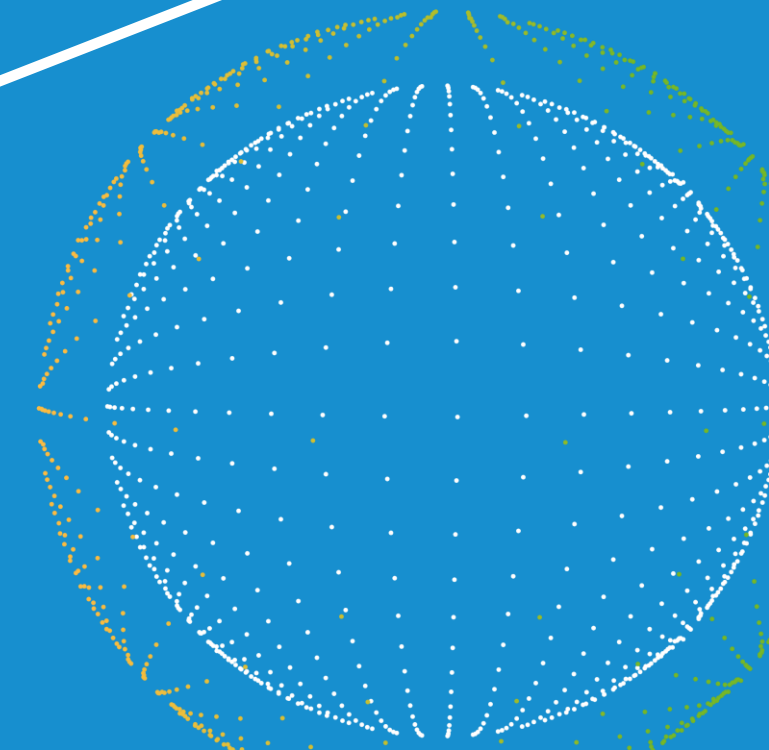
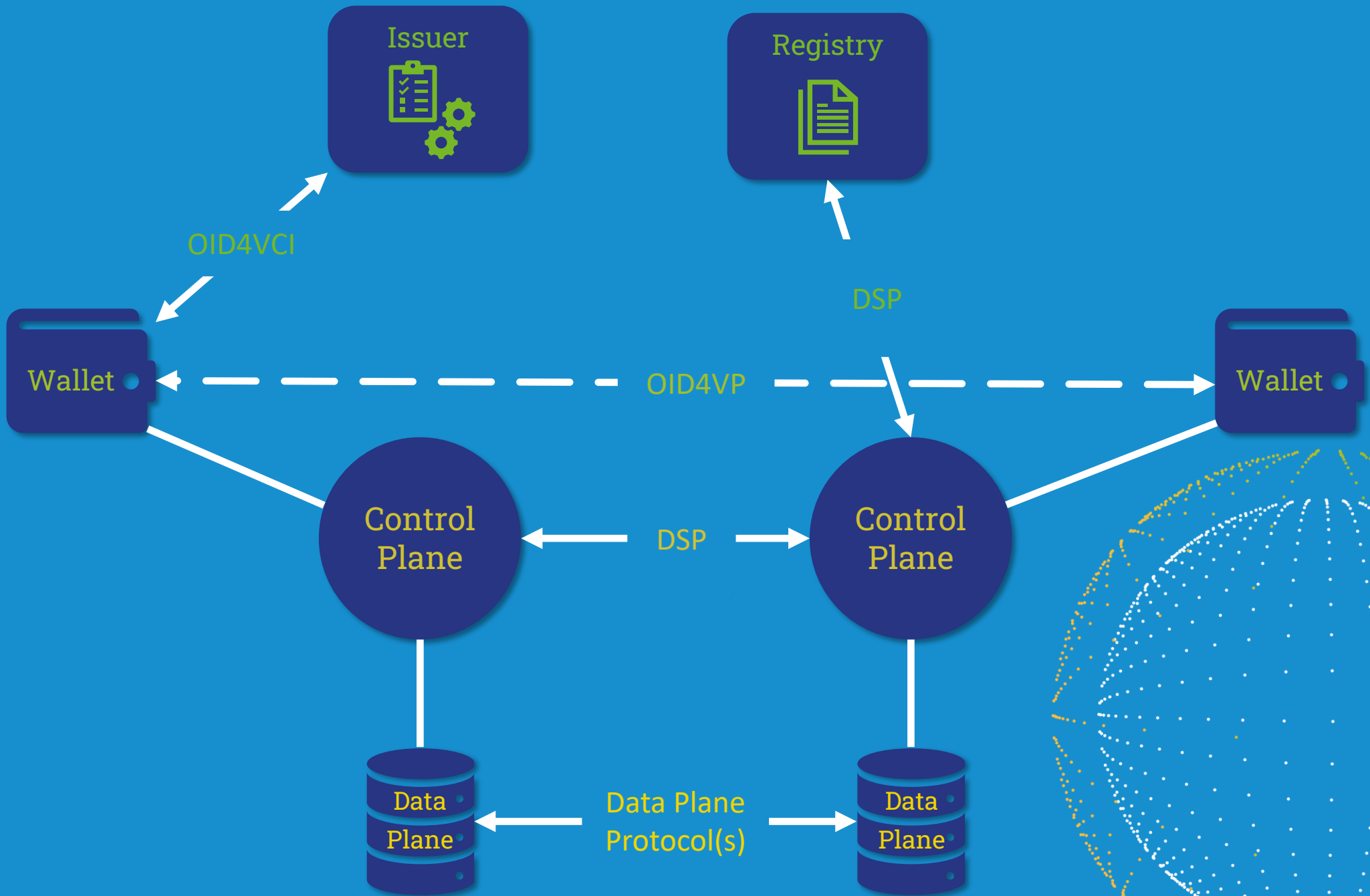
- Full ecosystem
 - Identity Provider / DAPS
 - Broker



Integrating Dataspace Protocol

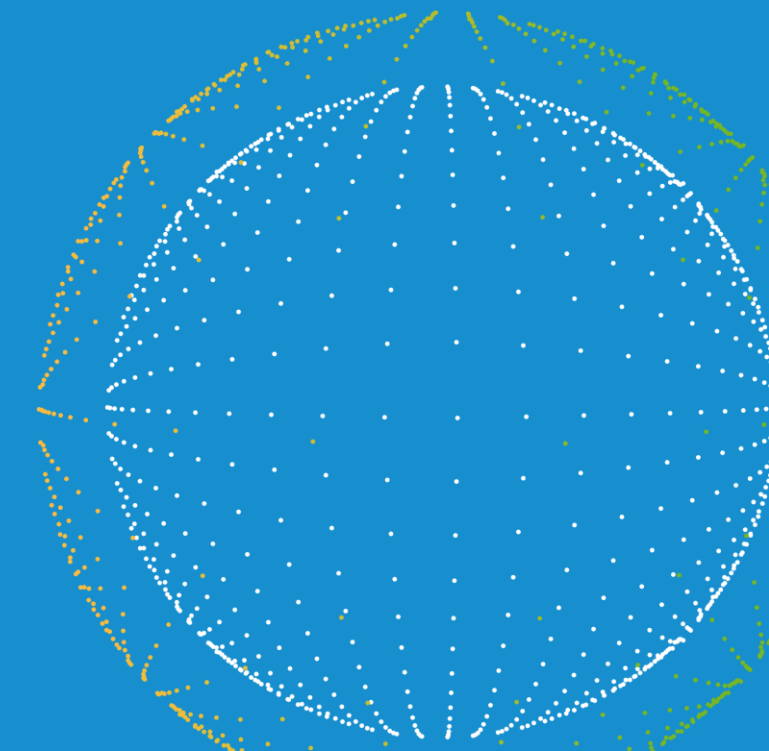
- Dataspace Protocol provides clear and concise basis for implementation
- Transition towards TypeScript
- Dataspace Protocol is not the only thing we need
 - Identity and Trust Protocol
 - Data Plane Protocol(s)
 - Discoverability
- Initial implementation
 - IATP based on OID4VCI & OID4VP
 - HTTP Data Plane with OpenAPI metadata





TSG vs. EDC

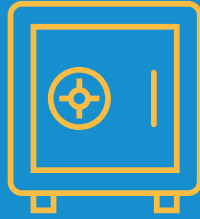
- Why not build on top of EDC?
 - Multiple implementations will strengthen the protocols
 - Freedom to try out new concepts
- Focus on first time engineering
 - Towards scalable implementations
- Interoperability is key
 - Important role for TCKs
 - Contributions to EDC



Next steps

- Confidential Computing

- Full stack integrity
- Remote attestation



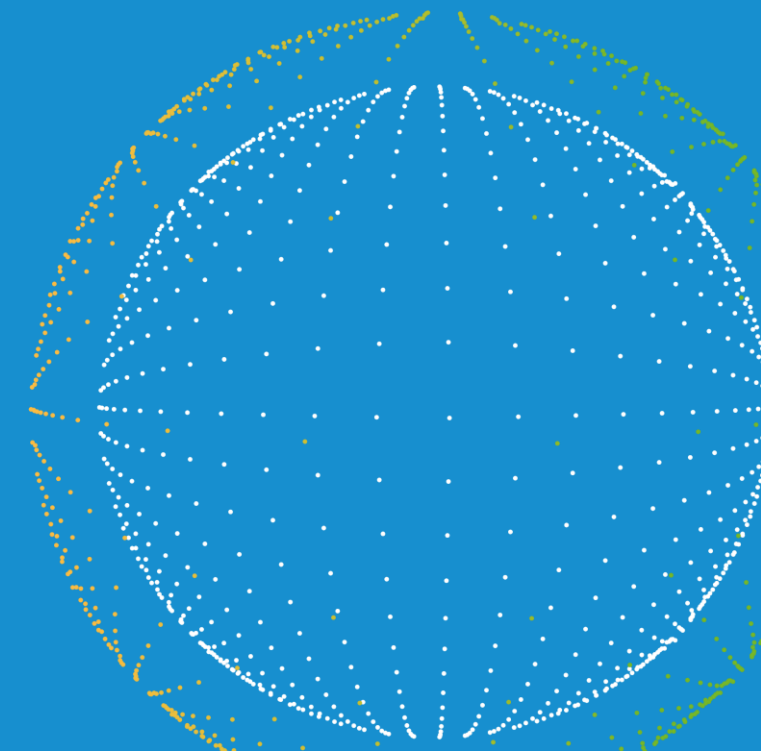
- Self Sovereign Identity

- Acting on behalf of

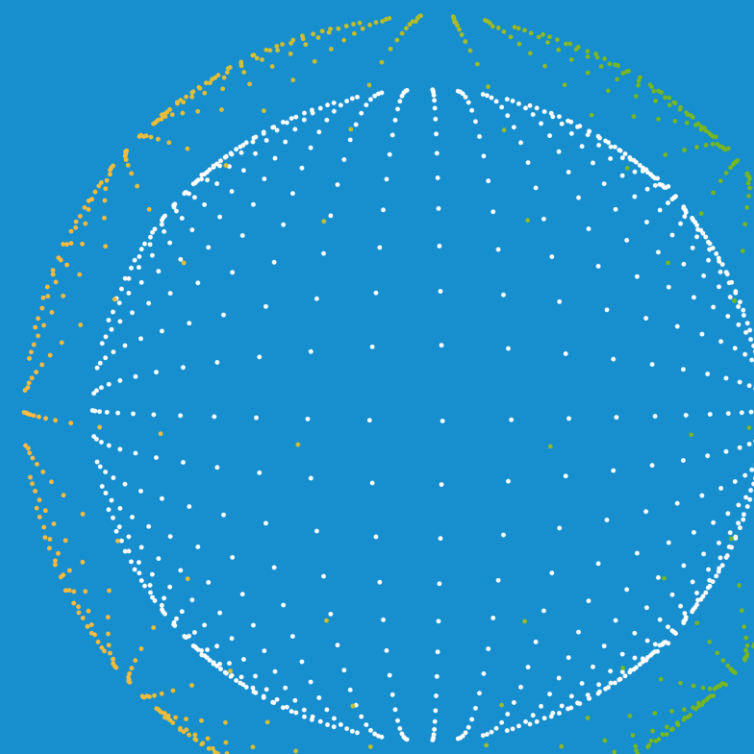


- Privacy Enhancing Technologies

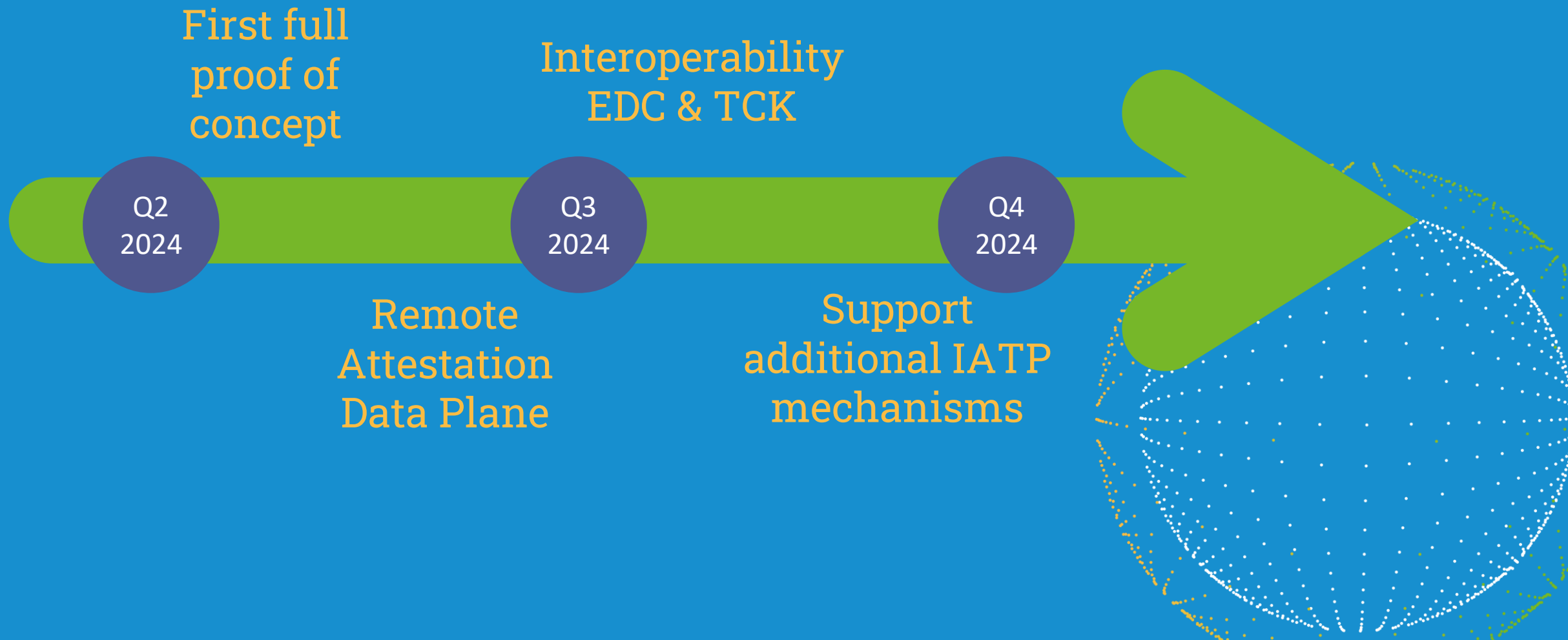
- Federated Learning
- Multi Party Computation



Projects



Roadmap





Let's start using the Dataspace Protocol

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