

# 2020-10-13 Meeting

Send an email to [semantic-domain-wg@lists.trustoverip.org](mailto:semantic-domain-wg@lists.trustoverip.org) to request a calendar invite (you can subscribe to the mailing list at [lists.trustoverip.org](https://lists.trustoverip.org)).

## Agenda

Guiding Goal: Group deliverables and health care sector data harmonization.

- Welcome (Paul—2.5 mins)
- Newcomer Introductions (WG, 2.5 mins)
- Task Force Updates (WG, 5 mins)
  - [Imaging TF](#) (Scott)
  - [Medical Information TF](#) (Scott)
  - [OCA-FHIR FG](#) (John)
  - [Notice & Consent TF](#) (Mark)
- White paper proposal: *"How OCA Differs from JSON-LD and Why You Need Both"* (Paul—10 mins)
  - Article remit
    - In that <10 page paper, which needs to include a few key easy-to-digest diagrams, we will lay out how and why the two technologies are different and when you would use which one for what.
  - What is Linked Data?
    - [Linked Data](#) is data expressed on a website that can traverse (via links) to other websites. Common formats of data include [HTML](#), [JSON](#), [XML](#), [CSV](#) and [RDFa](#). These common data formats can be linked together using [JSON-LD](#).
  - What is a Database Model?
    - A [database model](#) shows the logical structure of a database, including the relationships and constraints that determine how data can be stored and accessed. Common kinds of data models include [Hierarchical database model](#), [Relational model](#), [Network model](#), [Object-oriented database model](#), [Entity-relationship model](#), [Document object model](#), [Entity-attribute-value model](#), [Star schema](#) and [Object-relational database model](#). These common database models can be harmonized using [OCA](#).
  - Potential story board
    - Maybe a nice walkthrough in the white paper would be to think of a health care scenario where you want to utilise [CDISC:SDTM](#) data (clinical trials) with [FHIR](#) data (medical records). Two very different database models that, despite large incentives to do so, have never been harmonised. In the walkthrough, we can demonstrate how that can be done by ingesting and flattening the two database models using OCA. We can even show how JSON-LD might fit into the equation as metadata for any tabular dataset in SDTM is described in XML whereas metadata in FHIR is described in JSON.

Define-XML is required by the United States Food and Drug Administration (FDA) and the Japanese Pharmaceuticals and Medical Devices Agency (PMDA) for every study in each electronic submission to inform the regulators which datasets, attributes, controlled terms, and other specified metadata were used.

We then hammer it home by flagging all attributes that could potentially unblind the identity of a governing entity and create entry, label and information overlays in English and Chinese for language resolution at the application layer.
- Setting up an *OCA-CDISC Focus Group* for clinical research database model harmonisation (Paul—10 mins)
  - [CDISC SDTM Implementation Guide v.3.2](#) [here](#)
- Demo: Dynamic data flow with explicit consent between two [Hyperledger Aries](#) agents (Robert—20 mins)
  - For consent schema structure, see *OPN: Open Notice (+ Consent) Receipt Schema* [here](#)
- Logistics and miscellaneous (Paul—10 mins)
  - SDWG representative for the new Operations Team
    - The purpose of the Operations Team is to create a small group of ToIP members who will share information on the workplans of our WGs, help ensure that draft deliverables are advancing as intended through the stages of the ToIP workflow, resolve any bottle-necking that arise around decision-making/approvals and discuss issues such as (for example) introducing firmer parameters for the creation of TFs under all WGs.
    - The Operations Team will not be directing or otherwise interfering with the development of content and deliverables in the WGs themselves.
  - Official name, [Semantic Domain Working Group](#), approved by the Steering Committee
  - Static wiki page for [Passive Identifiers](#) rather than a new TF
  - Leadership positions
  - Meeting schedule
    1. [OCA-FHIR FG](#) weekly meeting
      - Thursday, October 15th @ 07:00 US PT / 16.00 CET
      - Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMHJqL0ZQM3I3Zz09>
    2. [Decentralized Semantics WG](#) weekly meeting
      - Tuesday, October 20th @ 09:00 US PT / 18.00 CET
      - Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMHJqL0ZQM3I3Zz09>

## Meeting Notes

[Recording](#)

Participants (Name / Location / Time zone / Affiliation):

- [Paul Knowles](#) / Basel, Switzerland / CET / [Human Colossus Foundation](#)
- [Robert Mitwicki](#) / Graz, Austria / CET / [Human Colossus Foundation](#)
- [Alan Davies](#) / Newbury Park, CA, USA / PDT / [Credential Master](#)
- [Burak Serdar](#) / Denver, CO, USA / MST / [Cloud Privacy Labs](#)
- [Carly Huitema](#) / Guelph, Canada / EDT / [University of Guelph, Waterloo Centre of Microbial Research](#)
- [Jan Lindquist](#) / Stockholm, Sweden / CET / [Linaltec](#)
- [Jim St.Clair](#) / Biloxi, MS, USA / CDT / [Dinocrates Group](#)
- [John Walker](#) / Bay Area, USA / PDT / [SemanticClarity, CCI](#)
- [Jorge Flores](#) / Los Angeles, CA, USA / PDT / [Entidad](#)
- [Ken Adler](#) / Oakland, CA, USA / PDT / [ThoughtWorks](#)
- [Kevin Dean](#) / Toronto, Canada / EDT / [GS1 Canada](#)
- [Marie Wallace](#) / Dublin, Ireland / GMT / [IBM Watson Health](#)
- [Mike Bennett](#) / London, UK / BST / [IOTA](#)
- [Mukundan Parthasarathy](#) / Bay Area, USA / PDT / [SemanticClarity](#)
- [Petri Seljavaara](#) / Espoo, Finland / EEST / [Wellbeing cart](#)
- [Salvatore D'Agostino](#) / Boston, MA, USA / EDT / [Open Consent Group](#)
- [Mark Lizar](#) / Toronto, Canada / EDT / [Open Consent Group](#)
- [Scott Whitmire](#) / Scottsdale, AZ, USA / MST / [Mayo Clinic](#)
- [Steven Milstein](#) / Montreal, Canada / EDT / [Colab Ventures](#)
- [Subra Subramaniam](#) / Bay Area, USA / PDT / [CyberKnowledge](#)
- [David Luchuk](#) / Ottawa, Canada / EDT / [Trust over IP Foundation](#)

Leadership positions:

(Note: We plan to instigate an official submissions, nominations and voting process. In the meantime, please put your name down if you are interested in volunteering for either a Chair or Vice-chair position.)

- Semantic Domain WG
  - Chair volunteers
    - [Paul Knowles](#) (Human Colossus Foundation)
  - Vice-chair volunteers
    - [John Wunderlich](#) (JLINC Labs)
    - Nick Nayfack (Team Ikigai)
- Imaging TF
  - Chair volunteers
  - Vice-chair volunteers
- Medical Information TF
  - Chair volunteers
    - [Mukundan Parthasarathy](#) (SemanticClarity)
    - [John Walker](#) (SemanticClarity)
  - Vice-chair volunteers
- FHIR-OCA Object Transformation FG
  - Chair volunteers
  - Vice-chair volunteers
- Notice & Consent TF
  - Chair volunteers
  - Vice-chair volunteers



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