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# Semantic Domain *(ISWG-S)* Weekly Meeting

2 February 2021

 THE **LINUX** FOUNDATION

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# Agenda

- › 1. Welcome (Paul—2.5 mins)
- › 2. Newcomer Introductions (Paul—2.5 mins)
- › 3. Task Force Updates (WG—5 mins)
- › 4. Demo: Digital Immunization Passport (Philippe / Robert—25 mins)
- › 5. Update from the FHIR FG (John / Mukund—15 mins)
- › 6. Logistics and miscellaneous (Paul—5 mins)
  - › a. News from the Operations Team
  - › b. Leadership positions
  - › c. Meeting schedule

# Newcomer Introductions

## (30 seconds!)

1. Name
2. Location / time zone
3. Affiliation(s)
4. One-sentence summary of your interest in Semantics (or **one particular semantics-related** issue you personally want to see solved)

# Task Force/Focus Group Updates

## (5 mins)

- Medical Information TF (Scott)
- ✓ FHIR FG (John/Mukund)
- Notice & Consent TF (Mark)
- Privacy & Risk TF (Jan)
- Storage & Portability TF (Christoph)

# Demo: Digital Immunization Passport (25 mins)

Presented by: P.Page / R.Mitwicky

<https://dapsi.ngi.eu/hall-of-fame/dip/>

<https://vimeo.com/505869628>

# NGI DAPSI

## Digital Immunization Passport



**7 TEAMS ARE  
MOVING TO THE  
SECOND PHASE  
CONGRATS!**



FUNDED BY   This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no 871438

Ref.: <https://dapsi.ngi.eu/hall-of-fame/dip/>

## DIGITAL IMMUNIZATION PASSPORT

### ABOUT THE PROJECT

**Project Name:** Digital Immunization Passport

**Human-centric Vaccination & Immunization Management using Verifiable Credentials**

**Team:** Christoph Fabianek, Eduard Gringinger, Fajar Juang Ekaputra, Mathias Müller, Gabriel Unterholzer, Paul Knowles, Philippe Page, Robert Mitwicki, Meri Seistola

Currently, vaccination and immunization information are spread over different organizations like labs and hospitals as well as pharmaceutical companies together with government agencies. A patient usually only has a paper certificate that provides vaccination treatments with often difficult to read handwritten additional information. In our proposed solution we will develop an end-to-end data flow that:

- connects to various immunization information providers,
  - aggregates, harmonizes, and semantically annotates the data,
  - makes this data-set available in an open format accessible for Personal Data Stores (PDS), compliant to the MyData Operator guidelines,
  - provide a human-centric data management platform for health information,
- allows to prove immunization status through Verifiable Credentials, and
- packages selected health data for processing by 3rd parties together with a well-defined usage policy and a provenance trail.

The main focus of this project is on Data Interoperability & Compatibility through establishing interfaces between health industry and individuals as well as pushing forward on standardized interfaces for PDSs. Additionally, we address Data Transparency (Usage Policies and Data Provenance in Semantic Containers) and Security & Privacy (by applying blockchain technology and digital watermarking on data sharing).

More information: <https://www.ownyourdata.eu/en/dip/>



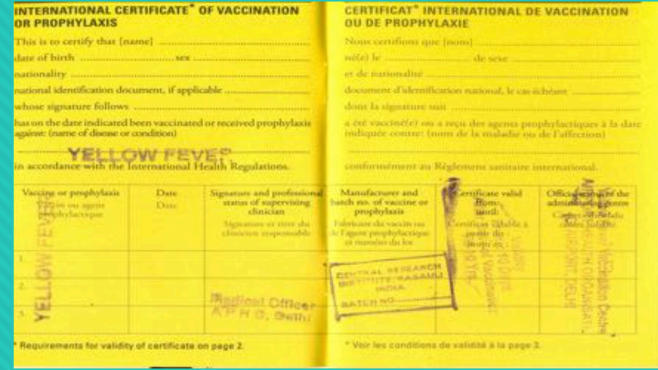
# Digital Immunization Passport



World Health Organization

“Yellow book”  
trusted

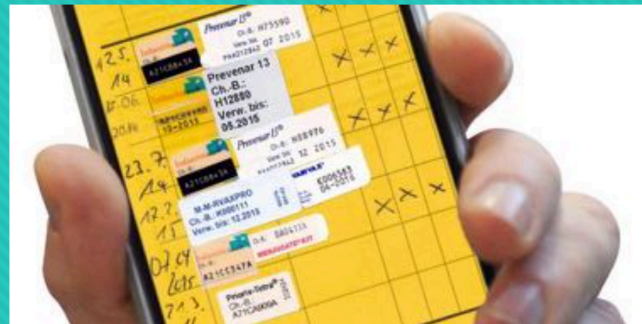
vaccination passport  
since many years



Why never properly digitalized ?

Why the world is now desperately looking for Covid  
vaccine tracking solutions ?

Technology  
is  
only one  
dimension



Health data portability is more  
than an “App”

Tue. January 26<sup>th</sup> 2021

The  
Economist

“They are divisive, politically tricky and probably  
inevitable”

# Digital Immunization Passport



The physical  
“Yellow Book”  
responds

to

**Business**

✓ Interoperability & Interconnectivity

**Legal**

✓ Multiple governances (countries)

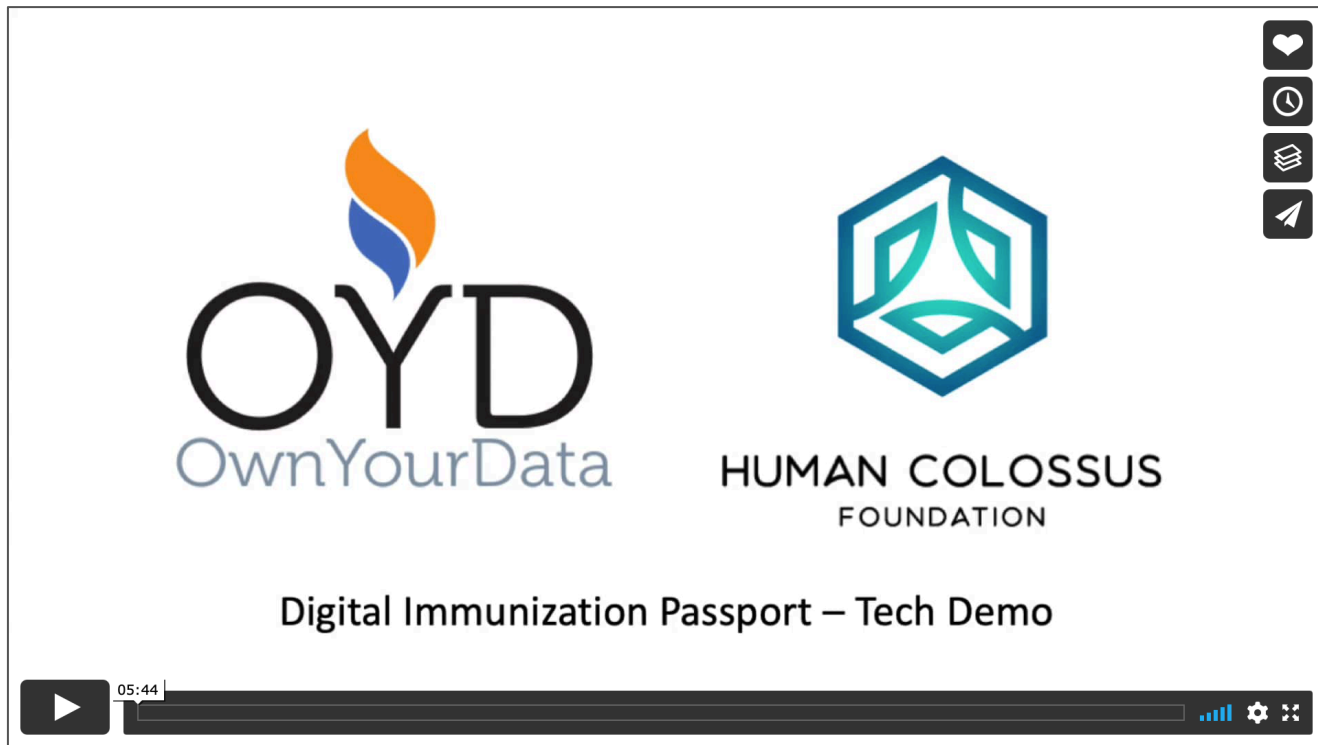
**Society**

✓ Privacy - Consent & User adoption



Are they... Interoperables ? Owned by the user ?  
Compatible with multiple jurisdictions ?

## Demo: Digital Immunization Passport



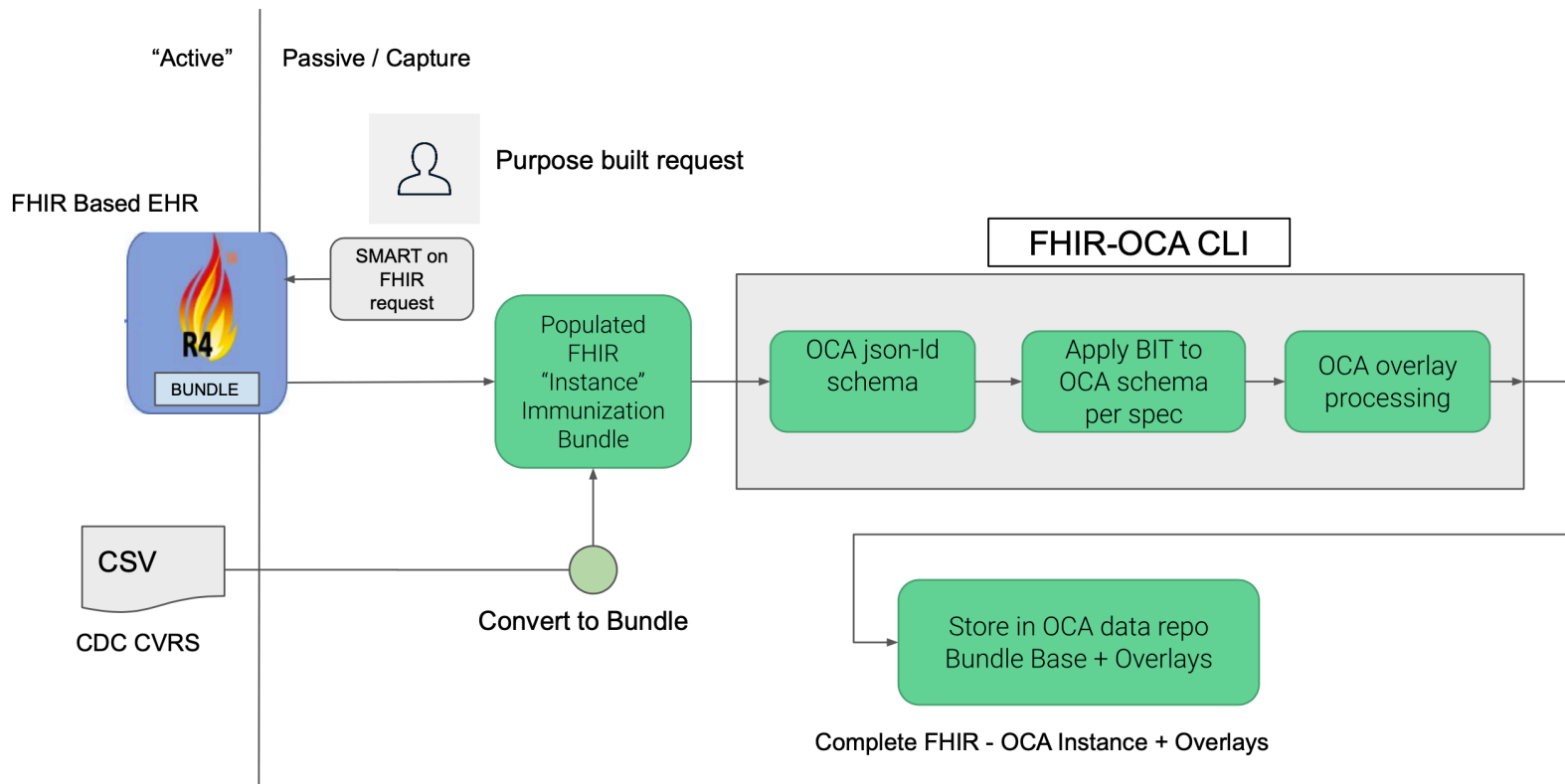
Ref.: <https://vimeo.com/505869628>

# Update from the FHIR FG (15 mins)

Presented by: J.Walker/M.Parthasarathy

<https://editor.oca.argo.colossi.network>

# FHIR-OCA CLI Conversion Processing Demo



# Logistics and miscellaneous (5 mins)

<https://wiki.trustoverip.org/display/HOME/2021-02-02+Meeting>

## News from the Operations Team

### **Nick Hayfack**

*(Inputs and Semantics WG representative on the ToIP 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 bottlenecks that arise around decision-making/approvals and discuss issues such as (for example) introducing firmer parameters for the creation of Taskforces under all WGs.

The Operations Team will not be directing or otherwise interfering with the development of content and deliverables in the WGs themselves.



## ISWG Leadership positions

- › Inputs Group Chair
  - › **Robert Mitwicki**
- › Inputs Group Vice-chair
  - › **Sam Smith**
- › Semantics Group Chair
  - › **Paul Knowles** (*ISWG Lead*)
- › Semantics Group Vice-chair
  - › **John Wunderlich**
- › Volunteer via the meeting page at ...
  - › <https://wiki.trustoverip.org/display/HOME/2021-02-02+Meeting>

# Meeting schedule

- › **Inputs Group** weekly meeting
  - › Wednesday, **February 3rd** @ 09:00 US PT / 18.00 CET
  - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz>
- › **FHIR FG** bi-weekly meeting
  - › Thursday, **February 4th** @ 08:00 US PT / 17.00 CET
  - › Zoom link: <https://zoom.us/j/93406719136?pwd=SUozZHBQM0N5TUhYMhJqL0ZQM3I3Zz09>
- › **Notice & Consent TF** bi-weekly meeting
  - › Thursday, **February 4th** @ 08:30 US PT / 17.30 CET
  - › Zoom link: <https://zoom.us/j/92346573961?pwd=RmZHNNQxS2lya3NCMHZTVXYra3Rrdz09>
- › **Privacy & Risk TF** bi-weekly meeting
  - › Monday, **February 8th** @ 09:00 US PT / 18.00 CET
  - › Zoom link: <https://zoom.us/j/91264300414?pwd=RndaTGZxeUp0bWt2aUttVU1kZ1FrQT09>



# Closing Q & A

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