What's New with the
International Patient Summary (IPS)
IHE Europe – Connectathon 2023 Webinar

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5 April2023
International Patient Summary (IPS) Update

A little bit about me…

IHE International Board

- co-Chair, IHE IPS Profile development team
- IHE representative to ISO/TC215
- IHE representative to Joint Initiative Council (JIC)

ISO TC215 Health Informatics

- Member, AHG7- to establish a process for xSDO IPS standards maintenance and investigate IPS standards governance

Joint Initiative Council

- Former Chair
- Participating in xSDO IPS standards coordination for > 2 yrs

"Day Job"

- Digital Health Consultant for > 40 years, based in Canada with clients globally

Agenda

1. IPS Refresher
2. IPS Global Insights – why is vendor adoption so important?
3. Global Adoption – a Canadian example
4. Proposed new IHE Profile – Accessibility to IPS (aIPS)
5. IPS Testing Process... introducing Steve Moore

Background and Context

- International Patient Summary (IPS) standards have been built through an unprecedented collaboration amongst 5 international digital health standards development organizations (SDO's)

- There exists today a number of IPS standards artefacts that are designed and intended to work together in assisting implementers to create an interoperable IPS infrastructure (locally, nationally, internationally)

- IPS adoption has been given a high priority in many jurisdictions worldwide (eg. G7, G20, EC)
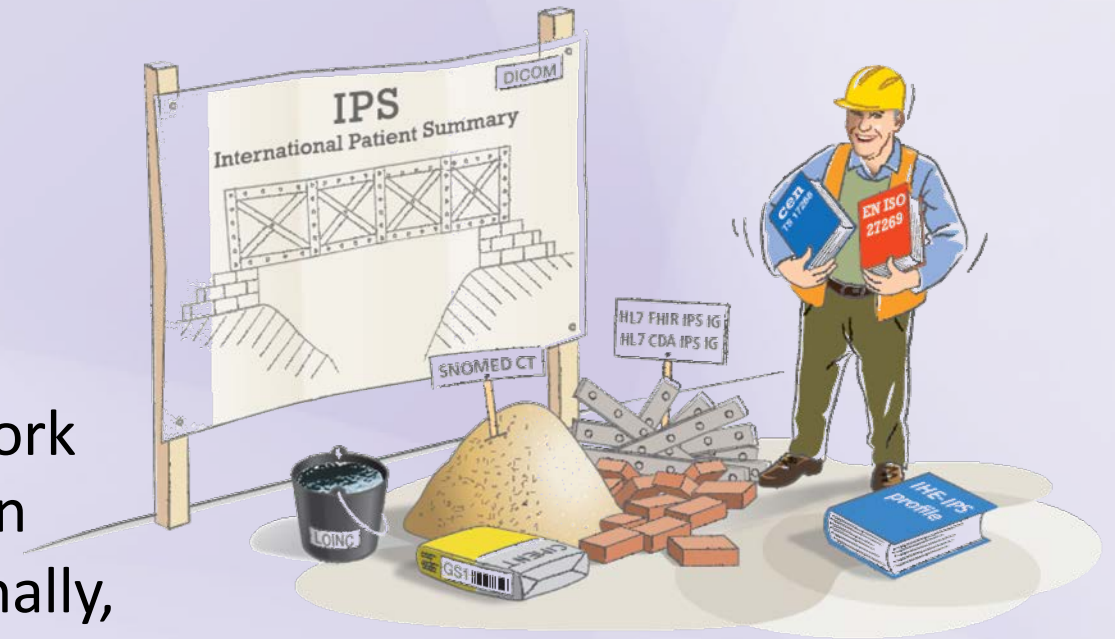
Background and Context

- 5 SDO's collaborating (so far):
  - HL7, IHE, ISO, SNOMED, CEN
- Artefacts produced:
  - IPS Data Structure/Data Model – EN/ISO 27269
  - IPS FHIR IG – HL7 (update just released)
  - IPS CDA IG – HL7
  - IPS Terminology – SNOMED (recently released)
  - **IPS Content Profile - IHE**
- Connectathons: HL7 FHIR; IHE; GDHP
- Many Projectathons worldwide

IPS Website

http://international-patient-summary.net

Contents
- Background and history
- IPS relevance (patient, provider, developer)
- Direct links to all IPS standards
- Global Adoption
- IPS Resources:
    - IPS Publications
    - IPS Presentations
    - IPS Tools and Prototypes

The Patient Summary journey…

IPS

2017-2020

Get to know the **Joint Initiative Council**

Making high-quality data available to the right people, at the right place and at the right time, for high-quality decisions and care.

Learn about the JIC at jointinitiativecouncil.org

Joint Initiative Council
Patient Summary Standards Set

GUIDANCE DOCUMENT
JANUARY 2018 v1.0

2017-2018

2009-2016

European initiatives
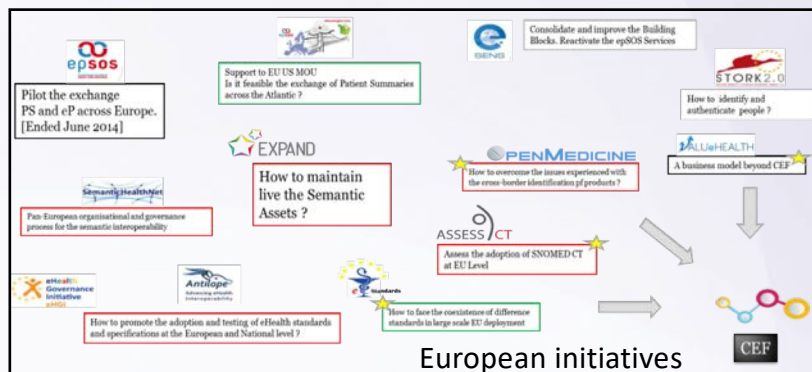
What is the IPS?

- **I**nternational

> It emphasizes the need to provide generic solutions for global application beyond a particular region or country.

- **P**atient
- **S**ummary

> **Health record <u>extract</u>** comprising a standardized collection of clinical and contextual information (retrospective, concurrent, prospective) that provides a **snapshot in time of a subject of care's health information and healthcare**

SOURCE: ISO/TR 12773-1:2009 (en) Business requirements for health summary records — Part 1: Requirements]

IPS Content

Ref: ISO/27269
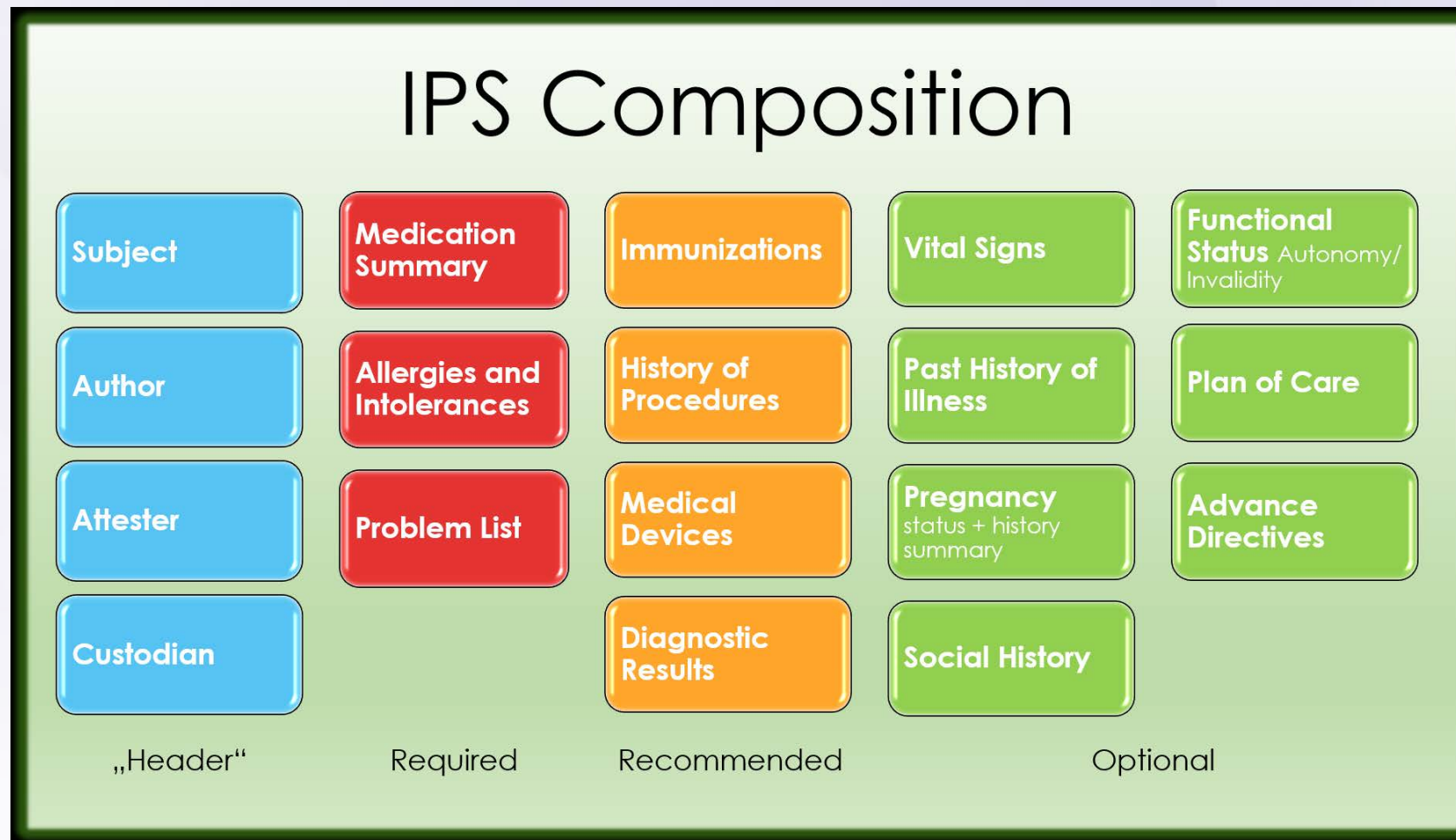
The Challenge

- IPS artefacts are interdependent on one another, and must be kept synchronized

- Updates to one artefact necessitate updates to others

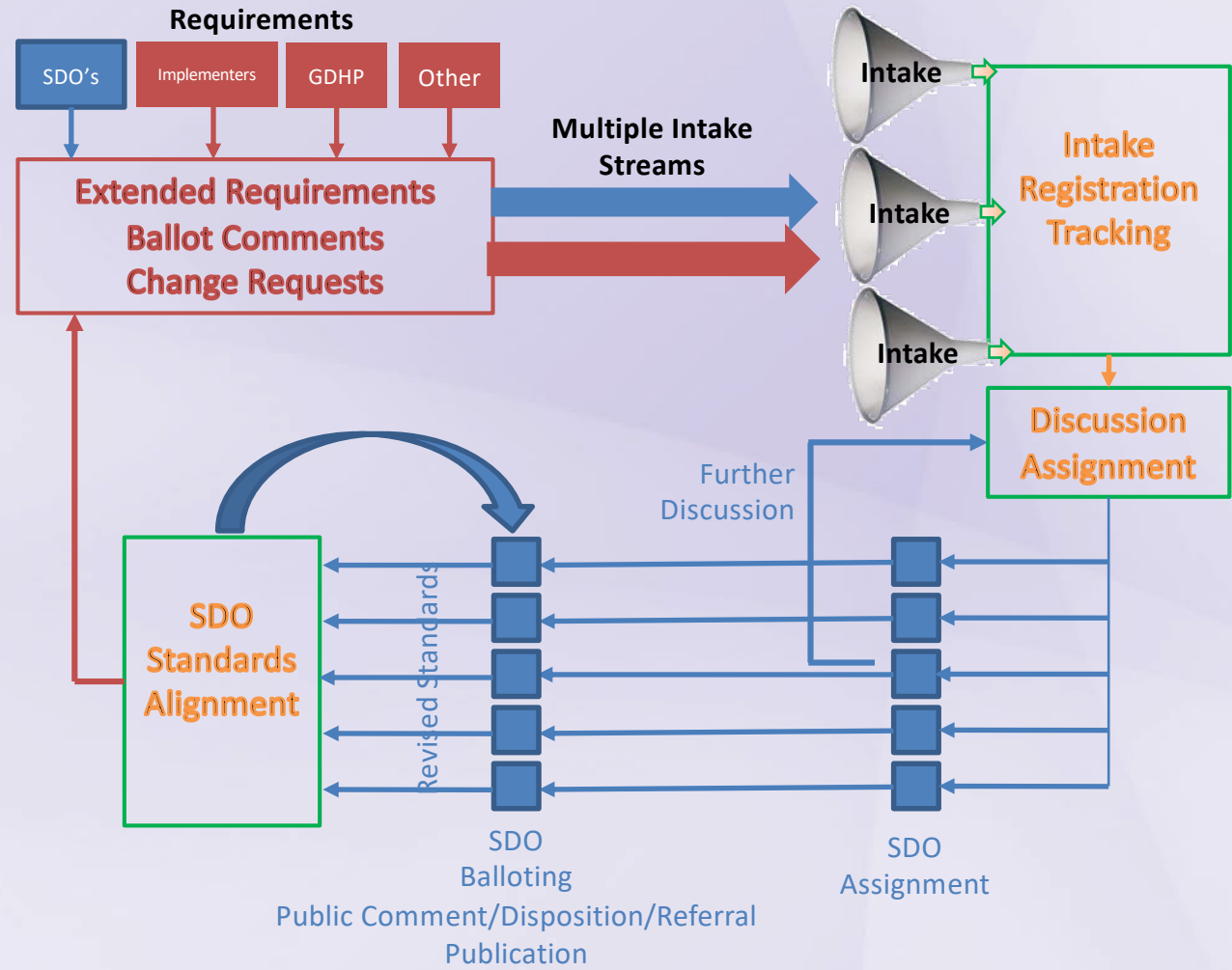- Correction (as well as new functions and features) to IPS standards are constantly introduced through SDO ballot comments, Connectathons, Projectathons, and global implementation experience

- There is a need for ongoing xSDO triage and coordinated response

- An informal IPS xSDO group has been meeting bi-weekly for the past 2 years… this is being formalized under the JIC*
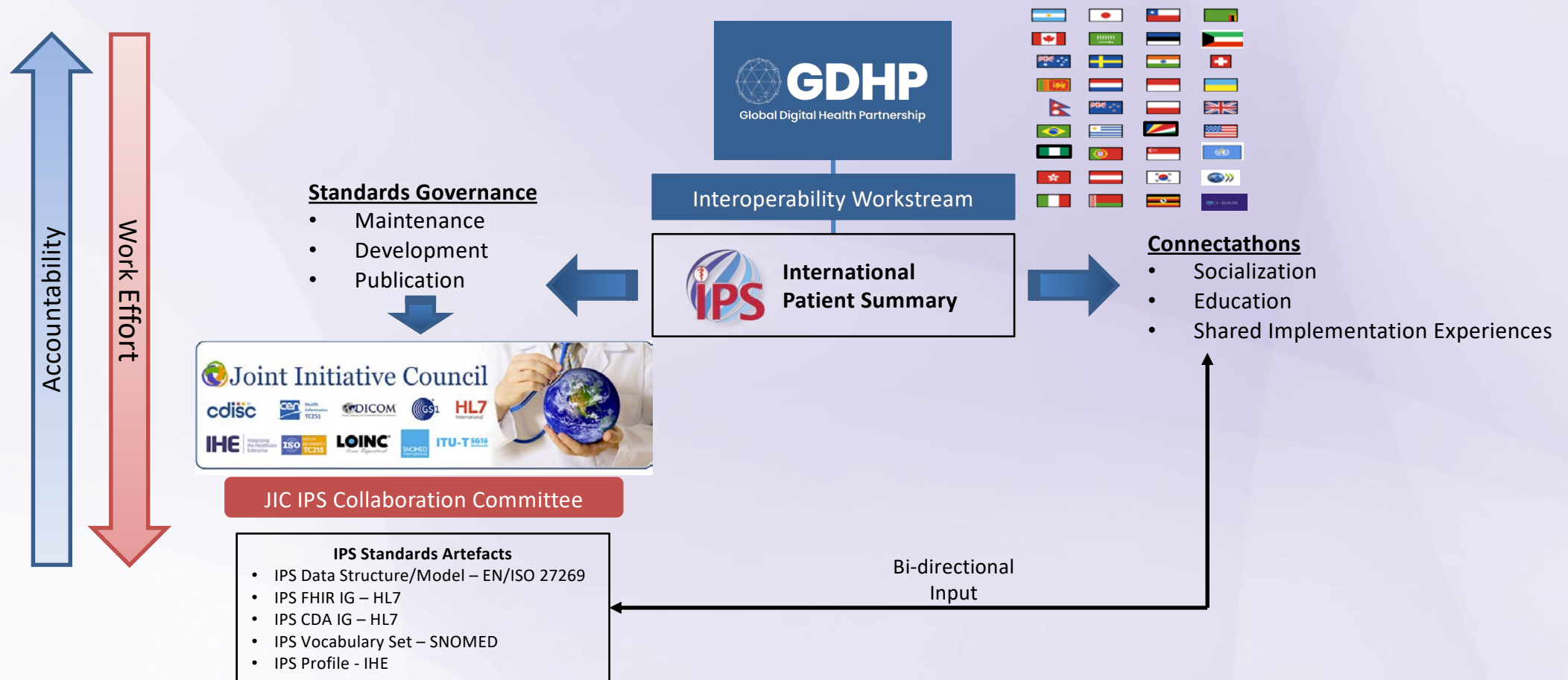
*http://jointinitiativecouncil.net

xSDO IPS Standards Maintenance Process

IPS Standards Artefacts
- IPS Data Structure/Model – EN/ISO 27269
- IPS FHIR IG – HL7
- IPS CDA IG – HL7
- IPS Vocabulary Set – SNOMED
- IPS Profile - IHE

Note:

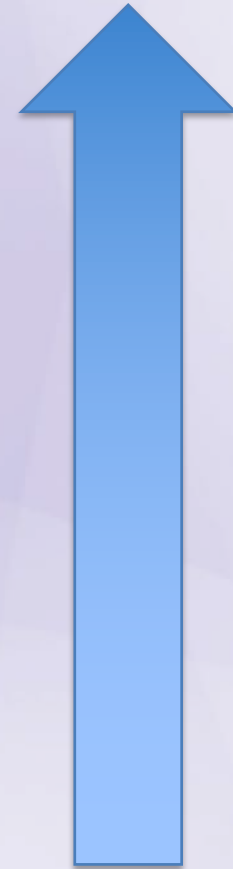Green boxes represents tasks to be undertaken by a xSDO Coordination Body

Requirements

SDO's | Implementers | GDHP | Other

Extended Requirements
Ballot Comments
Change Requests

Multiple Intake Streams

Intake

Intake

Intake

Intake Registration Tracking

Discussion Assignment

Further Discussion

SDO Standards Alignment

Revised Standards

SDO Balloting
Public Comment/Disposition/Referral
Publication

SDO Assignment

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IPS Standards Governance **Discussion**

Standards Governance
- Maintenance
- Development
- Publication

GDHP
Global Digital Health Partnership

Interoperability Workstream

International Patient Summary (IPS)

Connectathons
- Socialization
- Education
- Shared Implementation Experiences

Joint Initiative Council
cdisc cen Health Informatics TC251 DICOM GS1 HL7 International
IHE Integrating the Healthcare Enterprise ISO TC215 LOINC SNOMED International ITU-T SG16

JIC IPS Collaboration Committee

IPS Standards Artefacts
- IPS Data Structure/Model – EN/ISO 27269
- IPS FHIR IG – HL7
- IPS CDA IG – HL7
- IPS Vocabulary Set – SNOMED
- IPS Profile - IHE

Bi-directional Input

Accountability

Work Effort

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IPS Uptake

International "Hype"

- Explicitly recognized by the G7, G20, EC, WHO as a key digital health enabler
- GDHP Promotion (interoperability "topic")
- Multiple countries implementing IPS, interest is high
- Extensive standards contributions by international SDO's:
  - CEN, ISO, HL7, SNOMED, (IHE)
- FHIR Connectathon workstream
- HL7 funded by ONC (GDHP, not US)
- HIMSS23 promotion (sessions and Showcase)
- HIMSS Europe panel sessions
- Multiple JIC webinars

IPS *"buzz"* at HIMSS23

PS:CA
Reference Architecture

Patient Summary-CA Specifications

What is it?

- The Pan-Canadian Patient Summary Interoperability Specification is an implementable, testable specification, based on the IHE International Patient Summary specification and HL7 IPS IG

- Defines building blocks (both: data model and interoperability) to create and share condition-independent and specialty-agnostic patient summaries

Intended Audience

- IT departments of healthcare institutions
- Technical staff of participating vendors
- Experts involved in standards development
- Software developers

Review Cycles
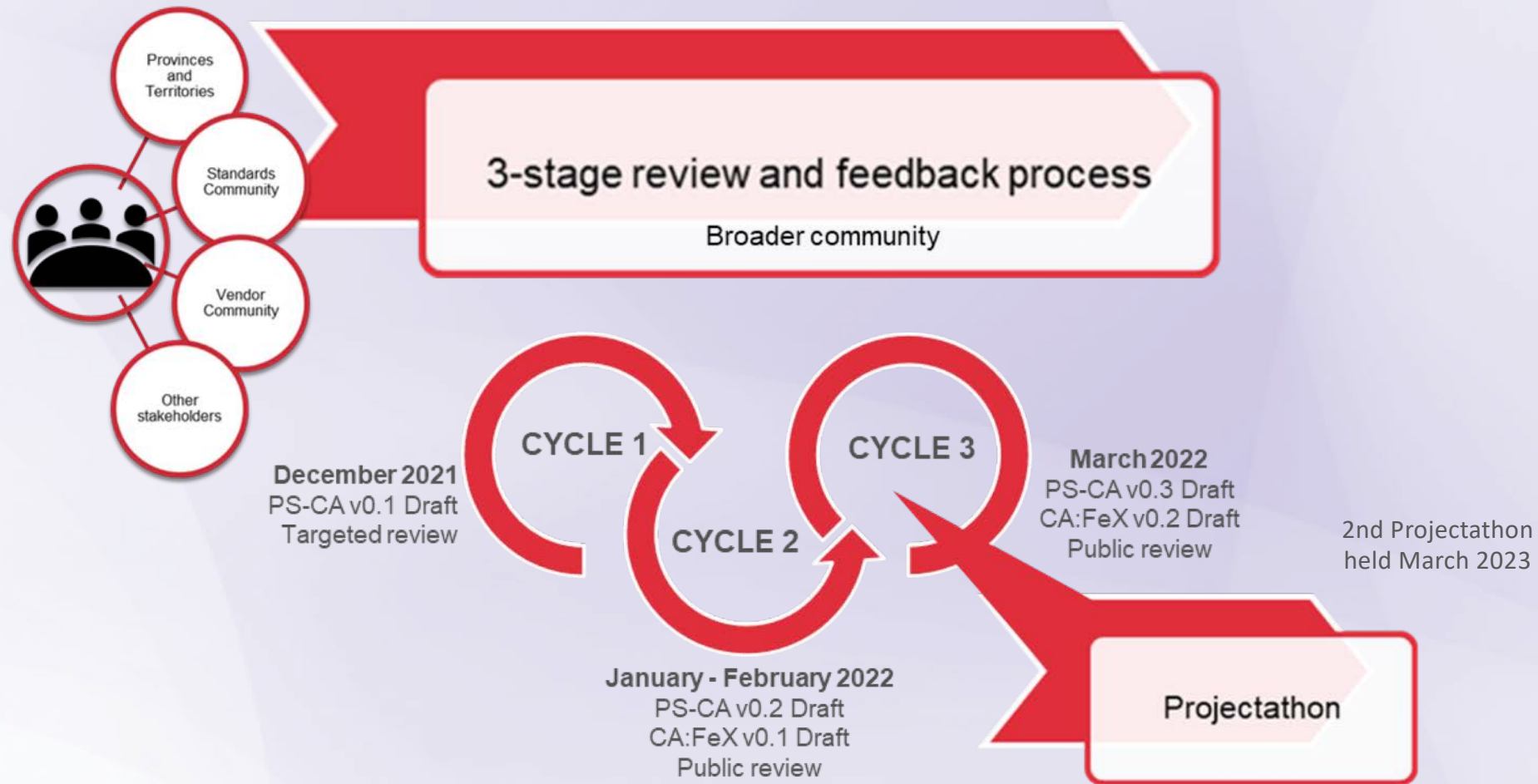
In conclusion…
IHE Opportunities

- Find ways to "bundle" IPS with other profiles (FHIR and non-FHIR) to enable implementable workflows (ITI)
  - "push" vs. "query-response"
  - trigger events – alerts
  - other examples?

- Current use cases:
  - Cross border scheduled and emergency care (<u>any</u> border)
  - Within border scheduled and emergency care

New IPS Profile proposal

Accessibility to IPS (aIPS)

- A small IG Profile that hooks IPS to IHE Document Sharing (XDS, XCA, XDR, XDM, MHD, MHDS), using existing PCC Content Creator / Content Consumer actors that already support this binding (IHE IPS Content Profile)

- Designed to support:

  - Publishing IPS

  - On-demand access to IPS

  - Retrieval of IPS

  - Pushing an IPS to a recipient

- Approval expected this week!!

Current Prototype - http://build.fhir.org/ig/IHE/ITI.aIPS/branches/master/index.html
Current Github with readme - https://github.com/IHE/ITI.aIPS/
New Work Item Proposal - https://github.com/IHE/IT-Infrastructure/issues/197

Thank you

For further information:

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