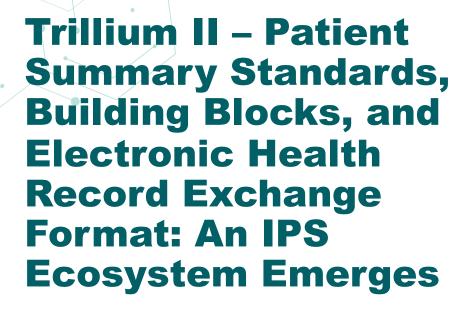
ehealthsummit.pt

Portugal eHealth Summit















Portugal eHealth Summit

The International Patient Summary (IPS) Standards

Giorgio Cangioli















The SDOs activity on the IPS....is not a flower in a desert...



It comes from a long history

Moving to the CEF.....



The **epSOS projects**, cross-border pilot for PS and eP Exchange, 2009-2014... and several others ..to the **eHDSI**



eHealth Network Guidelines 2013-2016



July 2016 Transatlantic eHealth/Health IT Cooperation Roadmap



Structure of Roadmap

This main Roadmap document sets out the vision, the main challenges, the scope and descriptions of each of the work-streams. The Roadmap Annex contains the specific actions and outcomes/deliverables with their corresponding milestones and due dates for each work-stream. The Annex (which will cover a 12 to 18 month timeframe) will be regularly updated to keep stakeholders fully informed of progress. The Roadmap activities overall will cover a longer period.

2010 EU US EU/US MoU: ONC Standards and Interoperability Framework (ONC S&I) EU/US eHealth Cooperation Initiative; EU Trillium Project; 2013 The INTERPAS Project, HL7

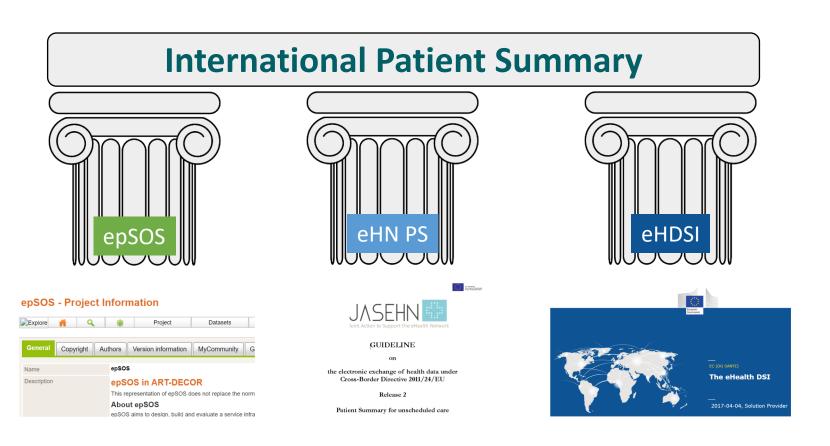
2015 Transatlantic eHealth/health IT Cooperation Roadmap: enforcement of the IPS concept.





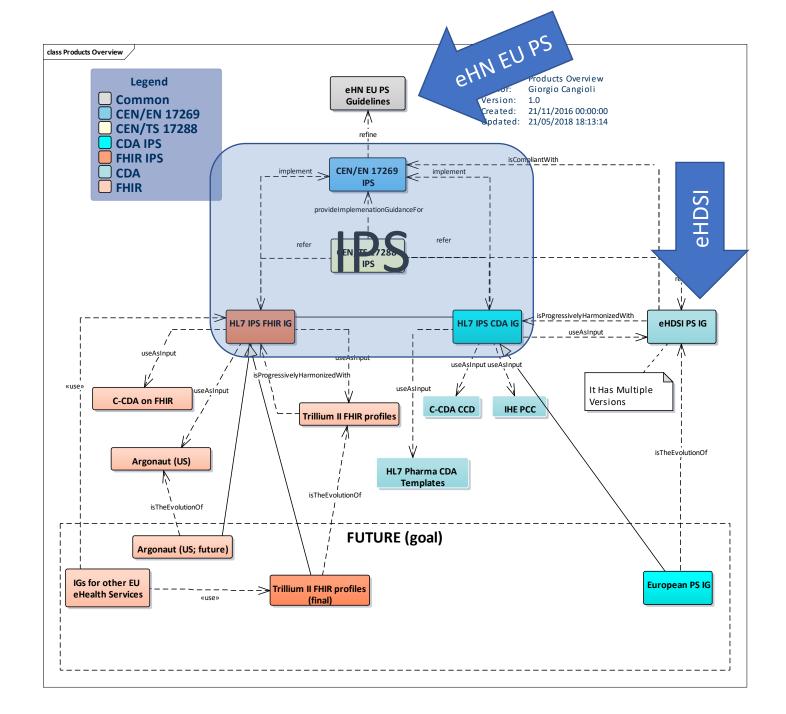


.. but on solid foundations ...





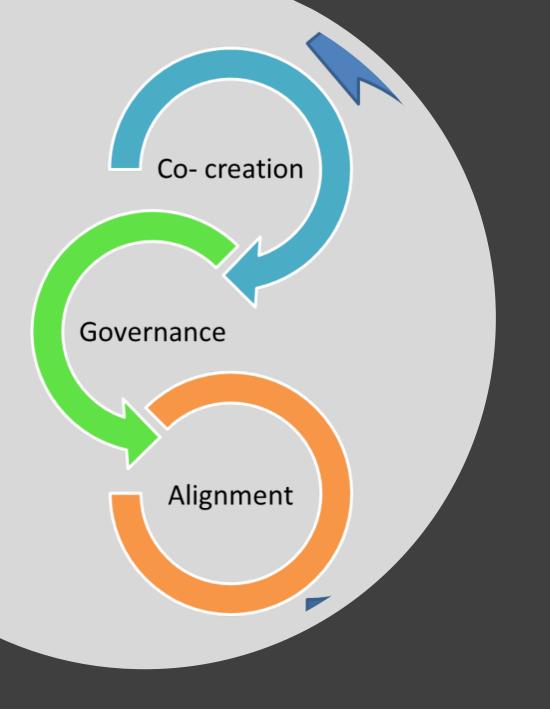
.. But not limited to them..





CLOSED MEETING IN PROGRESS

..is not a product of a restricted team..



.. but the result of a wide collaboration ..



SDOs do not come from mars...

- SDO are communities
- Most of the IPS contributors have been involved (and are now involved) in the EU initiatives mentioned before











SDOs are facilitators











July 2016

Transatlantic eHealth/Health IT Cooperation Roadmap

Structure of Roadmap

This main Roadmap document sets out the vision, the main challenges, the scope and descriptions of each of the work-streams. The Roadmap Annex contains the specific actions and outcomes/deliverables with their corresponding milestones and due dates for each work-stream. The Annex (which will cover a 12 to 18 month timeframe) will be regularly updated to keep stakeholders fully informed of progress. The Roadmap activities overall will cover a longer period.

The goal

"Standards and Profile **Developing Organizations and** eHealth/Health IT stakeholders should collaborate on the following items to enable a standardized international patient summary (IPS)"



The IPS Project: the HL7 Int. CEN/TC 251 agreement (April, 2017)





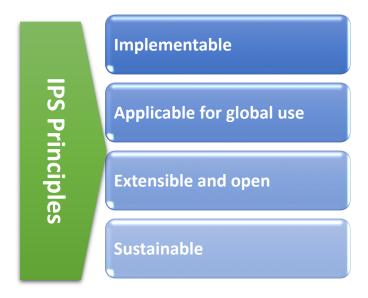


Vision

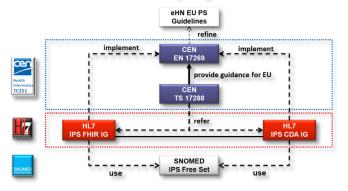
 "In order to further the care for citizens across the globe, we agree to collaborate on a single, common International Patient Summary (IPS) specification that is readily usable by all clinicians for the (cross-border) unscheduled care of a patient."

Scope

 "The IPS specification shall focus on a minimal and non-exhaustive Patient Summary, which is specialty-agnostic and conditionindependent, but still clinically relevant."



The Five IPS project Products





What is the first iteration of IPS?

- The focus of use for IPS is unscheduled (cross-border)
 care
- ..the data model for the IPS has been constructed to serve this case...
- ...but it provides a base-line usable also within other scheduled or planned care cases.



The IPS as PRACTICE



- The HL7 and CEN collaboration on IPS has worked superbly well with 4 specifications near completion in just 2 years!
- The «IPS SNOMED CT Free Set» by SNOMED International is on the way
- Hopefully, to be extended..(e.g. ISO)

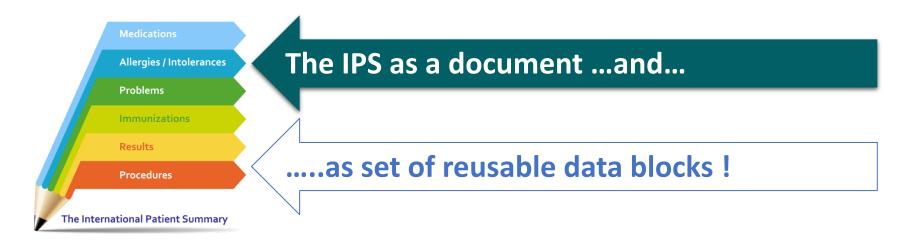


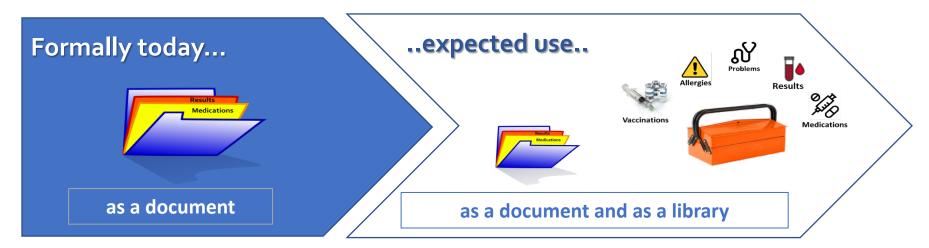






IPS Progressive Approach







IPS Progressive Approach







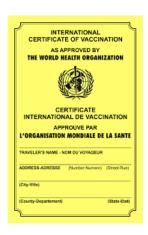


(fragments; resources; building blocks;...)

Common "core" set of data

With minimal common terminologies

Extensible





IPS Progressive Approach



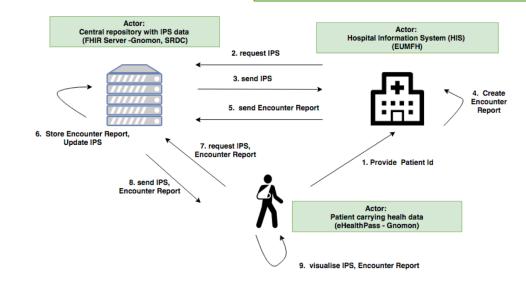




EU ModEX, Bucharest, 2018 Oct 15-17



IPSs and Mobile Field Hospital Encounter Reports were build on (HL7 FHIR) IPS resources







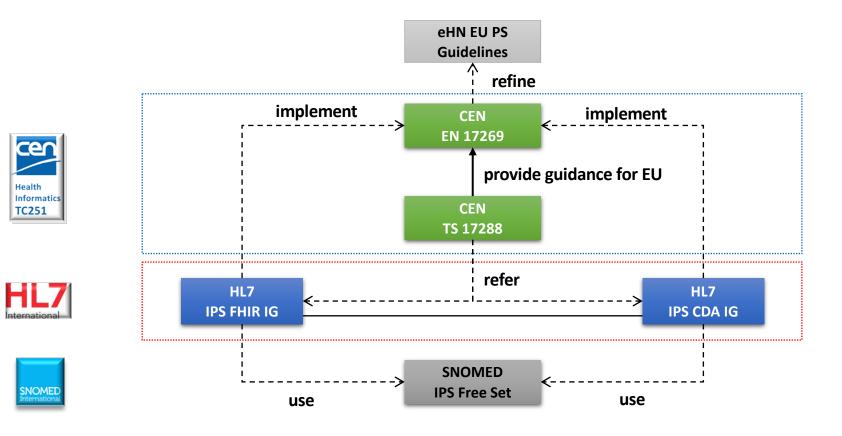




The IPS Standards



The Five IPS project Products



EN 17269: implementation independent content of the IPS

TS 17288: guidelines for establishing a EU IPS service

IPS FHIR IG: how to implement the IPS using HL7 FHIR IPS CDA IG: how to implement the IPS using HL7 CDA



Timelines

- CEN/TC251
- EN 17269
 - ballot passed
- TS 17288
 - ballot passed
- Ready for publication. (Summer 2019).

- HL7 Int.
- HL7 CDA IPS IG (STU)
 - published
- HL7 FHIR IPS IG (STU)
 - ballot passed
 - expected publication next month

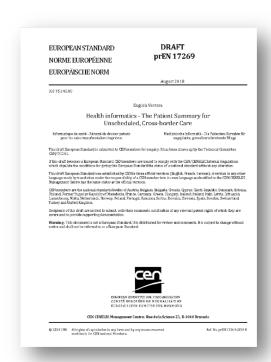
SNOMED Int.

- IPS SNOMED CT Free Set
 - > Announced by HL7 Int. and SNOMED Int. at the last HIMSS 2019
 - > Publicly available from SNOMED International likely on Summer 2019



CEN IPS EN 17269

The International Patient Summary



...formalises the dataset required to share information about the medical background and history of a patient

.. It uses the **European guidelines** (version 2, November 2016) as an **official source** for the requirements....

The dataset is minimal and non-exhaustive <...> specialty-agnostic, condition-independent and usable by all clinicians for the unscheduled care of a person...

...usable as a valuable subset of data items for scheduled care...

It is implementation independent.

This international standard does not cover workflow processes of data entry, data collection, the summarisation act nor subsequent data presentation. ..

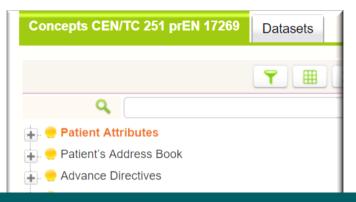


CEN EN 17269:2019

Immunizations Content Status						С	Coded Element
Immunizations list						С	List
	Immunization					R	Label Concept
		Vaccine disease	for	type	of	R	Coded Element

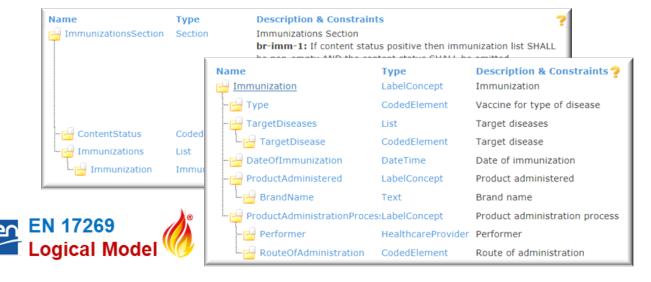
Target disease list			0	List
		Target disease	R	Coded Element
Date of	imi	munization	R	Date Time
Produc	t ad	ministered	0	Label concept
		Brand name	RK	Text
Produc Process		dministration	0	Label concept
	Performer		0	Healthcare Provider
		oute of ministration	0	Coded Element





https://art-decor.org/art-decor/decor-datasets--hl7ips-

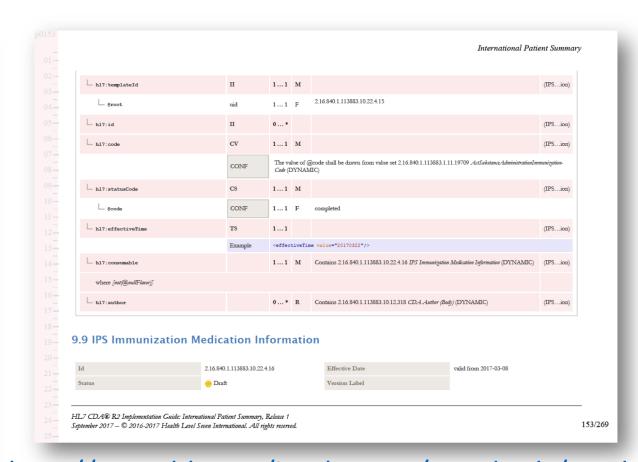
History of Past Illness





HL7 IPS CDA Implementation Guide

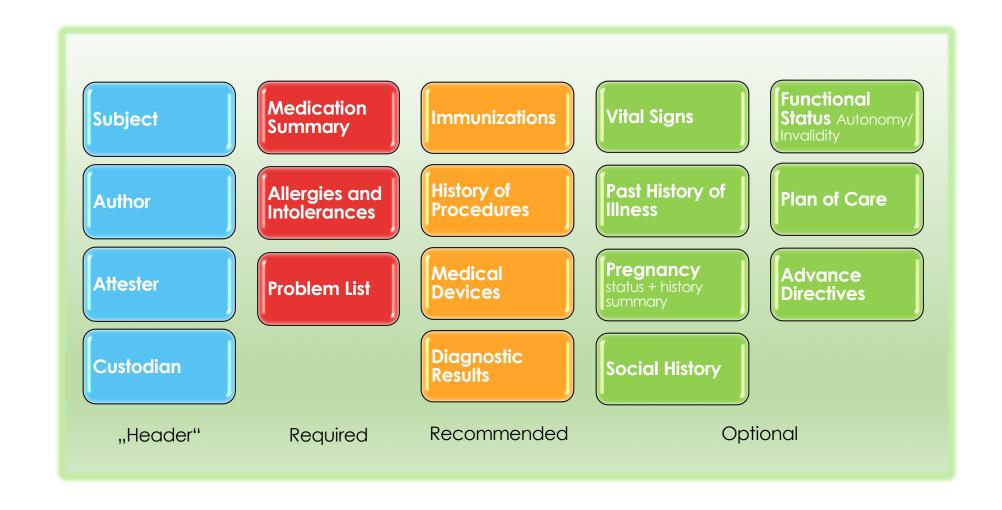
CDA R2_INTLPATS UMMA RY_STU_R1_2018OCT HL7 CDA® R2 Implementation Guide International Patient Summary STU Release 1 (Universal Realm) October 2018 Standard for Trial Use Publication of this standard for trial use (STU) has been approved by Health Level Service. forcestood (HL7). Tala STU is on an accredited Accesses National Standard. Tac concases period for use of sais STU shall cod 24 escents from the date of publication. Suggesneos for revisios săculd be subcan ed a âng// नगम à17 org/succescens/iodes efec Pollowing (\$15.24 appeals evaluation period) (\$15.5TU) revised as normally, will be subcarreditions conceasive ballot to propara equifor approval by ANSI as as Accessed National Standard | Explosionia post of this STU shall be mable throughout the corresponding process and for up to see cases has all or publication of the referant corona rices and and © 2015 Health Lend Same Internation © ALL RICHTSPE SERVICE. The reproduction of fine control to say form a smarty flata deba written rise, white participate of free publisher. HET had Health Level Some are regarded made and an investor Level Scotta Tarevanta and Rep, U.S. Par ScTA CRY. Uscoffee convol a governed by HLTs IP Completes. Policy.



http://www.hl7.org/implement/standards/prod
uct_brief.cfm?product_id=483



IPS Sections





The FHIR IPS IG (STU)



International Patient Summary Implementation Guide &

This is the September 2018 Ballot Version of the International Patient Summary Implementation Guide, based on FHIR Version 4.0.0 Lt. See the Directory of published versions: This specification is currently undergoing ballot and connectation testing. It is subject to change, which may be significant, as part of that process.

Feedback is welcome and may be submitted through the FHIR gForge tracker indicating "International Patient Summary" as the specification. If balloting on this IG, please, if possible, submit your comments via the tracker and then reference the tracker ids in your ballot submission spreadsheet.

Introduction

An International Patient Summary (IPS) document is an electronic health record extract containing essential healthcare information intended for use in the unscheduled, cross-border care scenario, comprising at least the required elements of the IPS dataset. The IPS dataset is a minimal and non-exhaustive patient summary dataset, specialty-agnostic, condition-independent, but readily usable by clinicians for the cross-border unscheduled care of a patient.

Based on FHIR R₄ (To Be Published – by next month)

Contents

- Introduction
- Purpose
- Project Background
- Project Scope
- Relationships with Other Projects and Guidelines
- Ballot Status
- Authors and Contributors

Purpose

The goal of this Implementation Guide is to identify the required clinical data, vocabulary and value sets for an international patient international patient summary is specified either as a templated document using HL7 CDA R2 (see the IPS Wiki here of as an HL7 described in this implementation guide). The primary use case is to provide support for cross-border or cross-jurisdictional emergen

It describes the "IPS document" and the data blocks (FHIR profiles) used to build it

This specification aims to support:

- Cross-jurisdictional patient summaries (through adaptation/extension for multi-language and realm scenarios, including translation)
- · Emergency and unplanned care in any country, regardless of language
- · Value sets based on international vocabularies that are usable and understandable in any country.
- Data and motadata for document lovel provenance



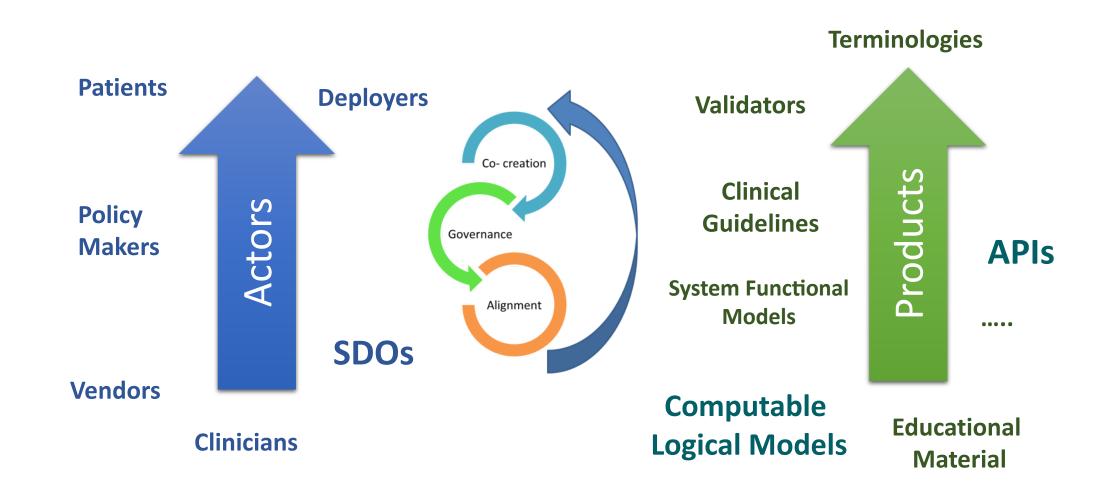
IPS as Collaboration Framework

- SNOMED CT free subset...
- Within the scope of the HL7 and SNOMED CT agreement approx. 8000 concepts have been proposed to be included as part of a free SNOMED CT subset.
- IPS taken as reference use case
- Free SNOMED CT subset being made available for CEN and HL7 IPS, and to eHDSI.





A wider «IPS ecosystem»



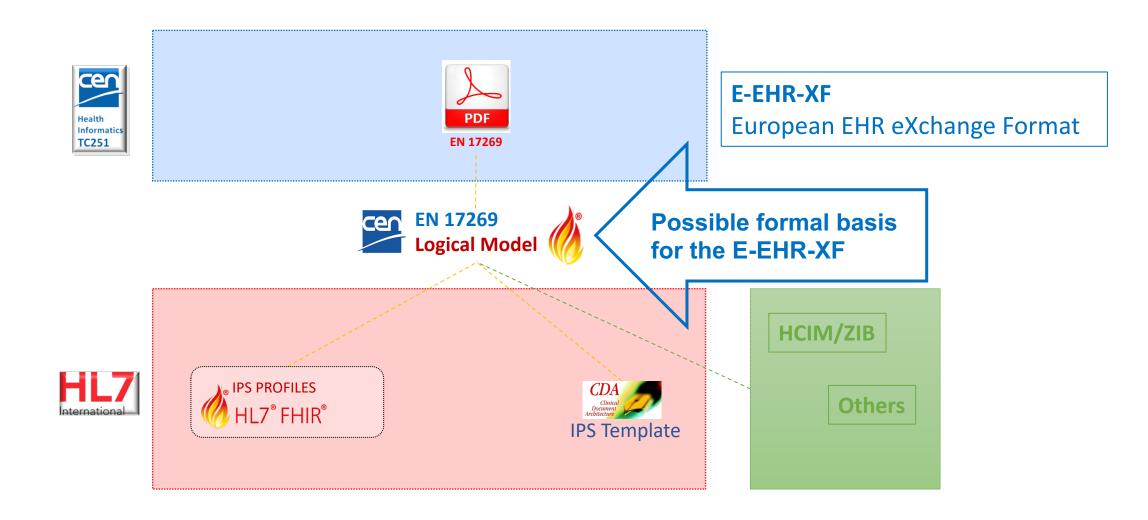


IPS Project and ISO

- IPS results presented at the last ISO meeting (@Paestum - Oct 2018)
- Very positive feedbacks received
- Next ISO meeting @Goteborg April 2019 discussion about moving the EN17269 (IPS data set) in ISO.



Towards an «IPS ecosystem»





So then?

- Move the EN 17269 IPS dataset in ISO
- Develop computable model (FHIR® Logical Models) for the IPS data set
- Better support for Provenance information
- HL7 FHIR® Argonaut and IPS harmonization
- ... and much more...



Portugal eHealth summ











THANKS GIORGIO CANGIOLI



