

European Projects in action:

The case of EURO-CAS Sopot, workshop 18 September 2018



SOPOT 2018

Karima Bourquard, Director of Interoperability IHE-Europe IHE-France cochair



Context



and innovation programme under grant agreement No.727028.



Context

New challenges

More connectivity

More interoperability

Conformance

As seen in several regions/countries!

EURCEAS





European Projects in eHealth Interoperability 2015 2016

2017

2018

2011

2012

HITCH (Healthcare Interoperability Testing & **Conformance Harmonisation**)



ROADMAP

1	Develop an European ecosystem by promoting recognized profiles, test plans and test tools
2	Define flexible testing processes
3	Provide a European Interoperability Assessment Scheme

RECOMMENDATIONS



Cross Border exchanges of Medical information



ROPEAN PATIENTS

European Projects in eHealth Interoperability

2016 2011 2012 2015 2017 2018 **HITCH** eHealth European (Healthcare Interoperability Testing & Interoperability Framework (eEIF) Conformance Harmonisation) Interoperability Levels Interoperability Agreements Legal Interoperability eHealth EIF Principles Commission - ISA Work Progra Technical Interoperability Interoperability ROADMAP Governance elop an European ecosystem by promoting recognized profiles, test plans and test tools Define flexible testing processes Scheme RECOMMENDATIONS D-Use Case Case Ot VISION epsos

European Projects in eHealth Interoperability



Integrating the Healthcare Enterprise

EUROPE

European Projects in eHealth Interoperability



Integrating the Healthcare Enterprise

EUROPE



COMMISSION DECISION(EU) 2015/1302 Of 28 July 2015 on the Identification of Integrating Healthcare profiles for referencing in public procurement

Interoperability layers from ReEIF

Legal & Regulatory

Policy

Care Process

Information

Applications & Services

IT Infrastructure

Legal and regulatory constraints

Information Exchange Collaboration agreements

Collaborative care and workflow processes

Defining structure and coding of information

Tranport and Exchange services Integration in healthcare systems

Generic Communication protocols

Governance Privacy, Security,







EURGAS













EURO-CAS key goal

EURO-CAS to develop the sustainable Conformity Assessment Scheme for Europe (CASforEU), to promote the adoption and take-up of interoperability testing of eHealth solutions against identified eHealth standards and profiles defined in the Refined eHealth European Interoperability Framework







EURO-CAS



Define a sustainable scheme with processes and content (CASforEU)

Meet the requirements at the European and national/regional levels

Provides operational guidance for eHealth initiatives to implement and adapt CASforEU to local needs

Keep consistency with existing international initiatives such as IHE CAS and PCHAlliance CAS, and SDOs

Use accredited test labs and ISO/IEC 17067, ISO/IEC 17025 and other applicable ISO/IEC standards

Create an open organization for members to maintain and evolve CASforEU







CASforEU in more details







Goal

28+ separate schemes

1 common scheme with marginal local adaptations

CASforEU

0





The EURO-CAS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.727028.

 \bigcirc

 \bigcirc



Benefits

Vendors and IT companies

- Reduced effort in interoperability testing
- Investments redirected to innovative product features and usability
- Broadened market opportunities in a European Digital Single Market (and beyond)
- New opportunities for test laboratories

Professionals, patients

- Quality, interoperability, usability of solutions
- Better time-to-market of innovative solutions
- Enhanced patient's engagement and mobility through such innovative solutions
- More resources, directly or indirectly, redirected towards the patient

eHealth Initiatives, governments, policy makers, procurers, payers

- An independent benchmark
- Reduced effort and expenses in specification and testing
- Conformity with regulation





Profile		eHealth Initiatives (n=27)	End Users (n=9)	Vendors (n=11)		All			
IHE PRE		7%	11%		0%	,	6%		
IHE RID		0%	0%	9%		2%			
IHE RTM		0%	0%	0%		0%			
IHE SVS		19%	0%	18%		15%			
IHE SWF		7%	11%		36%		15%		
IHE XBeR-WD IHE XCA	Profile		(n=27)	End Users (n=9) Vendors		s (n=11)	All
IHE XCPD	Continua	a HIS Interface	11%	0%	27%	11%	23%	9%	4%
IHE XD-LAB	Continua	a PHD Interface	22%	0%	9%	22%	17%	0%	4%
IHE XDR	Continua	Service Interface	330/	7%	36%	22%	20%	0%	9%
IHE XDS IHE XDS-I	IHE ATN	IA	3	7%	/3%	44%	5.1%	64%	45%
IHE XDW	IHE BPF	°C	22%1	5%	36%	0%	19%	27%	15%
IHE XPHR	IHE BSF	R-WD	0%	0%	9%	0%	6%	0%	0%
IHE XTB-WD	IHE CMF	PD	0%	4%	0%	0%	4%	0%	2%
IHE XUA	IHE CT		2001	6%	070/	44%	000/	55%	36%
Other	IHE DEC)	1170	0%	2170	22%	0270	9%	6%
	IHE DEN	1		4%		0%		9%	4%
	IHE DIS		1	11%		11%		0%	9%
	IHE DSC	3		7%		0%		9%	6%
	IHE DSU	JB	1	1%		0%		27%	13%
	IHE HPD)		7%		0%		18%	9%
	IHE LCS	D		0%		0%		0%	0%
	IHE LTW	1		7%		11%		9%	9%
	IHE PAN	Λ	1	1%		11%		27%	15%
	IHE PDC	2	2	6%		22%		45%	30%
	IHE PIX		2	6%		33%		55%	34%

- Selection of the first set of test methods and profiles was based on:
- Questionnaire sent to stakeholders
- Popularity of standards and profiles
- Analysis of this first set of profiles
- Criteria defined in stakeholder workshop in June
 2017
 The EURO-CAS project has received funding from the European Union's Horizon 2020 research
 and innovation programme under grant agreement No.727028.

From 27 IHE profiles
Consistent Time (CT)
Audit Trail and Node Authentication (ATNA)
Cross-Enterprise Document Sharing (XDS.b)
Patient Demographics (PDQ)
Patient Identifier Cross Referencing (PIX)
Cross Community Access (XCA)
Cross Enterprise User Assertion (XUA)
Cross Community Patient Discovery (XCPD)
Cross Enterprise Reliable Interchange (XDR)
XDS-I.b

From PCHA:

Personal Health Devices Interface

- Services Interface
- Health Information System Interface



QUESTIONS ?

Karima.bourquard@ihe-europe.net