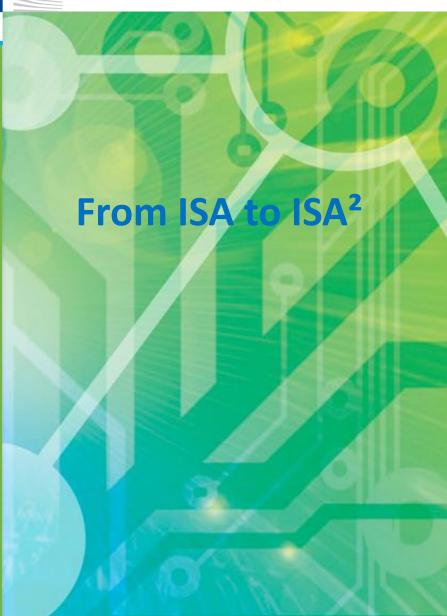


ISA² Conference **3 March 2016**

Margarida Abecasis, Head of Unit Interoperability Solutions for European public administrations, DG Informatics, DG DIGIT





eHealth

Digital Single Market

Efficiency and effectiveness

Internet of things

> **High Performance** computing

4.0

Standards

Security

Single access point

Reduce administrative burden **Industry**

> **Public sector** modernisation

Interoperability

Once-only principle

Open data

Transparency

Seamless, endto-end digital public services

> *Implementati* on of EU policies

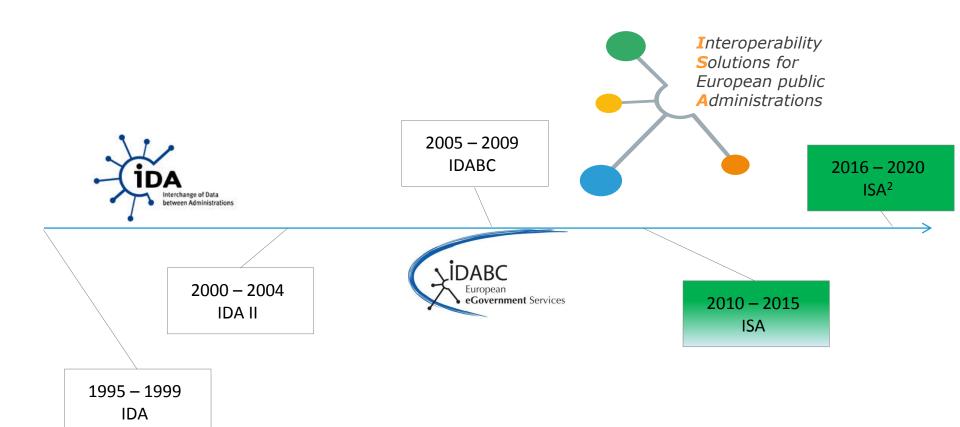
Cross-border by default

Tackling global complex challenges

Accountability



Evolution of interoperability programmes in EU









Interoperability Solutions for European public Administrations

Efficient

... and effective electronic cross-border and cross-sector interaction between European public administrations.

European public administrations

... share and re-use existing successful or new Interoperability solutions, common services and generic tools.

Flexible and interlinked

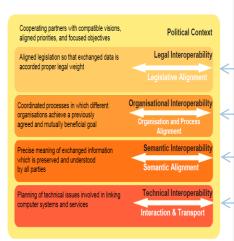
...IT systems allow smooth implementation of Community policies and activities.





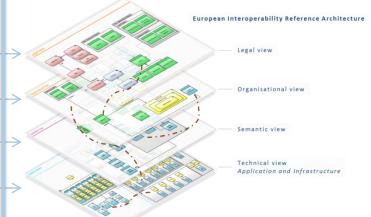
European Interoperability Framework (EIF)

Interoperability Framework (EIF)





A reference architecture for delivering digital public services (across borders and sectors).





A mapping of IOP solutions to the Building Blocks of the EIRA.

4	A		С	D	E	F	G	н	- 1	J	K
	Trans-European System	Workflow Enablers		Data Exchange Enabless				Senalty Service			
		Chareography Service	Orchestration Service	Data Transmission Service	Data Transformation Service	Deta Translation Service	Data Validation Service	e-Signature Senice	Identity Management Service	Access Management Service	Audit Service
	e-PRICR	No	No	Yes	E-PRICR provides data transformation components (KSLT transformations).	No	(L-PRIOR provides data validation services (XXX) validation, Schematron validation)		No	No	Capability of e-Pris
	GENIS IS	No	No	e-TruttEX e-Delivery	No	Maitilingual Building Block (manages translation of multilingual application)	No	No	ECAS	No	No
	e-Trustex	No	No	Yes	e-Trustex provides data transformation components (KSLT transformations).	No	e-Trustex provides data validation services (VSD validation, Schematron validation)	No	No	No	Capability of e-Tru
	STESTA	No	No	Yes, digital network infrastructure.	No.	No	No	No	No	No	No
	CON/CSI	No	No	Yes, digital network infrastructure.	Yes, electronic exchange of structured and unstructured data LOP.	No	No		Yes, autherticate users.	Yes, authorize access.	No



building and operating solutions



- Secure exchange of documents between the EU Institutions and with the MS
- "Open" version exists Large documents handling Documents bundling Multicasts Time stamping

Public

Administration systems

- "Open" version exists
- The Belgian Federal Government has opted for reusing e-Prior for einvoicing:
 - Rapid
 - Savings (7,5€ for PA and 2€ the suppliers) /annum



• Secure IP based private

network interconnecting

Public Administrations



PEPPOL >





systems



- IMI counts 7247 registered authorities in 31 EEA Member States, and +14.000 users (status in
- additional domains

- 3 European Citizens initiatives on "Right2Water" "Stop vivisection" and "One of Us" hit more than 1.000.000 signatures
- 6 other initiatives are still on-going

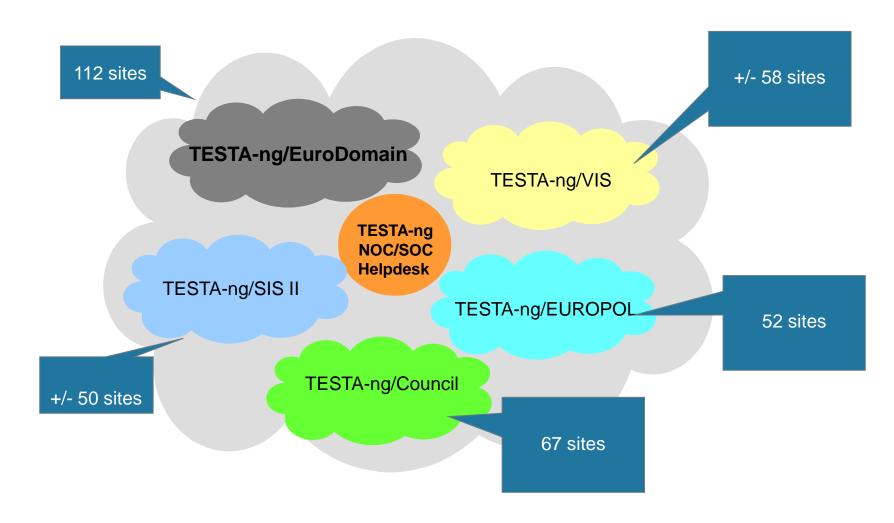


- Automatic Machine Translation in 24 EU languages - available to the Commission staff as of Jun 2013 + opening to the MS:
 - Automatic machine translation – statistical based
 - 24 EU languages 58 pairs – 552 combinations
 - Built on EU documents for EU documents
 - Translated documents maintain their original format









ISA Information is important



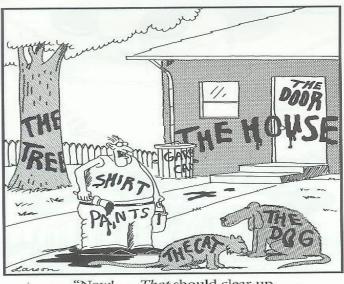
Semantic Standards



Give **visibility** to existing solutions



Establish agreements on **basic** semantics

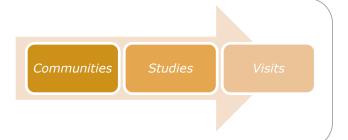


"Now! ... That should clear up a few things around here!"



Improve availability of **Open** Data

Raise awareness on semantics











Programme on interoperability solutions and common frameworks for European public administrations, businesses and citizens as a means for modernising the public sector

Proposals from Member States and Commission services

~131M Euros 2016-2020 Execution by the European Commission

ISA² the objectives



- Develop, maintain promote a holistic approach to IOP
- Implement the EIF
- Monitor EIF's implementation







Identify, create and operate IOP solutions to support EU policies

- IOP cross-border or cross-sector
- Administrations, businesses and citizens
- Target all administrative levels including regional and local administrations





 Facilitate re-use of IOP solutions by the EU public administrations





Holistic approach towards IOP in the EU

- eliminating fragmentation in the IOP landscape
- common understanding and global picture of IOP
- Instruments
 - Strategy
 - Framework
 - Architecture
 - Cartography
- Legislation Gaps



Scope

- > Public administrations
- Business
- Citizens



Modernise PA at all levels

- > EU and national level
- Drill down to regional and local



Links with other EU initiatives

- Connecting Europe facility (CEF)
- > Horizon2020
- Structural and Investment Funds
- **>** ...







Measure Impact

- Develop mechanisms that measure the benefits of interoperability solutions including methodologies for assessing cost-savings
- Quantifiable and qualifiable impact of the interoperable ICT-based solutions
- Monitoring the impact of the programme's actions based on identified needs



Engage stakeholders

- Put in place a platform to disseminate interoperability solutions, allow exchange of best practises and collaboration and raise awareness
- Facilitate community building
- Develop a communication strategy to raise awareness targeting businesses, SMEs and citizens





ISA² let's deep into...



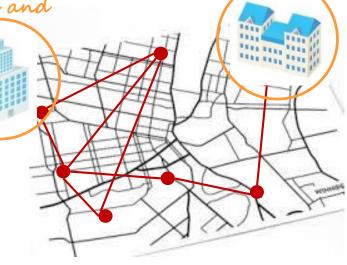
Holistic approach towards IOP in the EU

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- Legislation Gaps

- Supporting instruments ("City planning")
- 2 Key interoperability enablers ("City utilities")

3 Support EU legislation and initiatives

- Data exchange
- eID eSignature
- Data semantics
- Base registries
- Catalogue of Services



Reference Architecture – EIRA

European IOP Strategy &

Framework (EIS and EIF)

European Interoperability

European IOP Cartography – EIC

- Digital Single Market
- INSPIRE



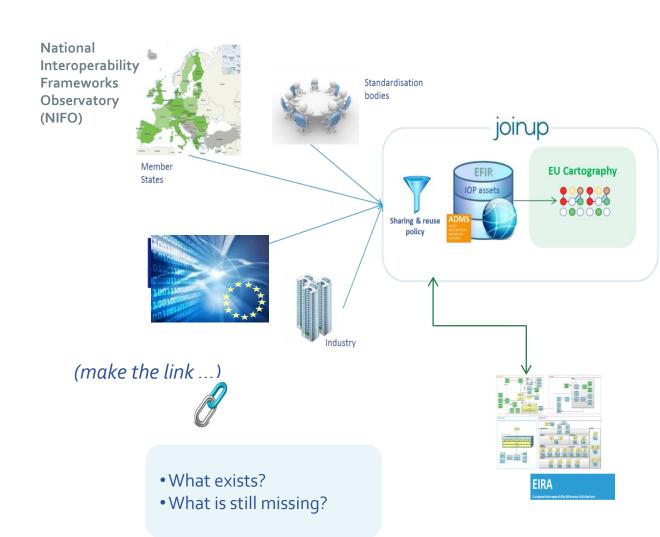


ISA² let's deep into...



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ISA² let's deep into...





Scope

- > Public administrations
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Join ISA² initiatives at: http://ec.europa.eu/isa/index_en.htm and @ http://joinup.ec.europa.eu







http://goo.ql/eK1EY



http://joinup.ec.europa.eu