

SCM meeting

Interoperability – A key enabler for the delivery of e-Government services

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Challenges facing Public Administrations

Improved Quality of European Public Administration

- EU
- national
- regional
- local level

Increased competitiveness and productivity for EU businesses

Provision of services to end-users in a

- interoperable
- qualitative
- sustainable
- transparent
- secure way

- Productivity
- Reduced response time
- Lower costs
- Elimination of corruption



Challenges facing Public Administrations (cont.)

Swift towards an interconnected government model

Develop synergies among institutions, enable effective resource utilisation in public sector agencies, unlock data – all across sectors

Build transparent public services oriented towards citizens and businesses needs with horizontally and vertically interconnected public administrations departments

Optimize and simplify across ministerial boundaries and tailor workflows to citizens' and businesses' needs























Tax statement



Salary

Land property

Vehicles

Bank Interest

Expenses

Tax statement



Ministry of Finance

National ID Register

Ministry of Finance (MS X)

Employers/
Business Register

Ministry of Finance (MS Y)

Vehicles Register

Land Register

Secure connection

network

Banks

Expenses DB

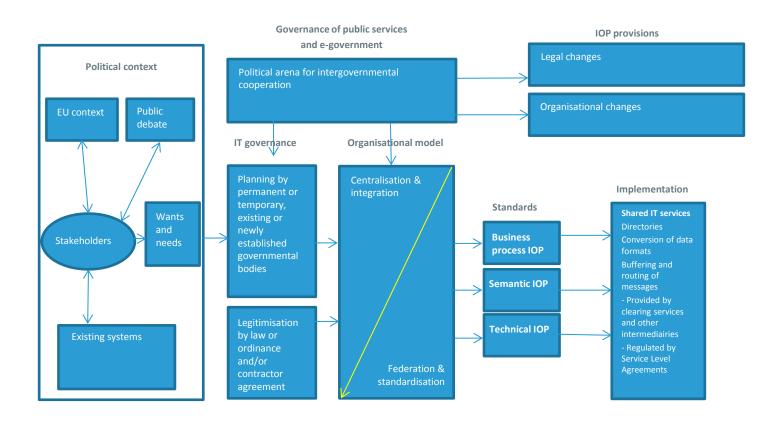




Interoperability is a key enabler for the provision of efficient e-Government services at national and EU level



Interoperability Governance





Interoperability Solutions for Public Administrations - ISA

Efficient

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

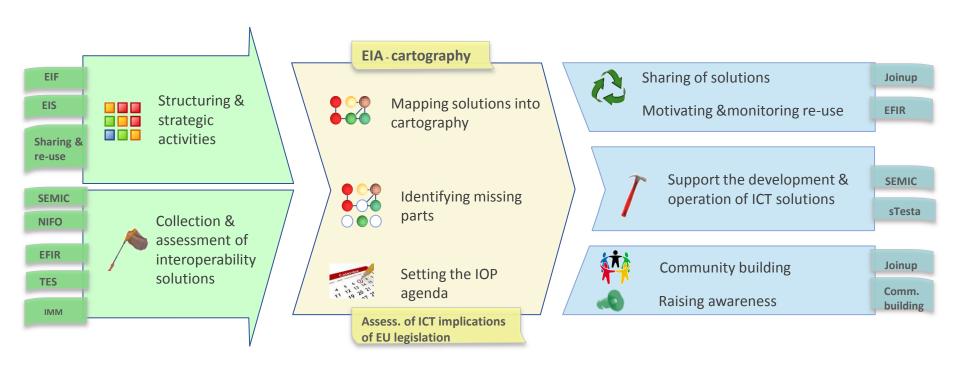
... share and re-use existing successful or new Interoperability solutions, common services and generic tools.

Flexible and interlinked

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



Programme Coverage





Structuring and strategic activities

→ Digital Agenda:

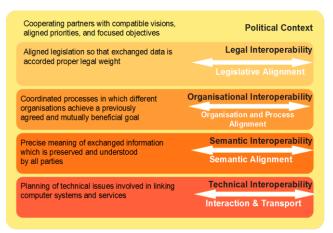
"A key action to promote interoperability between public administrations will be the Commission's adoption of an ambitious European Interoperability Strategy and the European Interoperability Framework to be drawn up under the ISA programme (Interoperability Solutions for European Public Administrations)"

- The Commission adopted the Communication "Towards interoperability for European public services" in December 2010:
 - European Interoperability Strategy (EIS)
 - European Interoperability Framework (EIF)





Structuring and strategic activities (cont.) The European Interoperability Framework - EIF



Interoperability levels

An agreed approach on

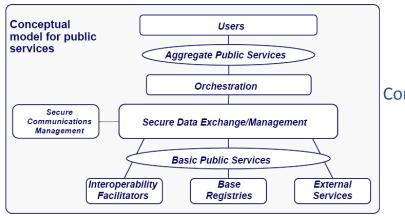
Recommendation 15: Public administrations should document their business processes and agree on how these processes will interact to deliver a European public service.

Recommendation 16: Public administrations should clarify their organisational relationships as part of the establishment of a European public service.

Recommendation 17: Public administrations working together to provide European public services should agree on change management processes

Underlines principles & recommendations

to ensure continuous service delivery.

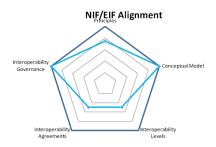


Conceptual models

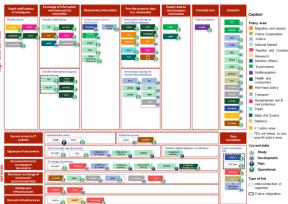


Collection and assessment of IOP solutions

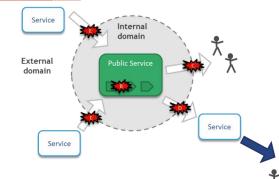
National Interoperability
Frameworks Observatory (NIFO)



Trans-European Systems assessment (TES)

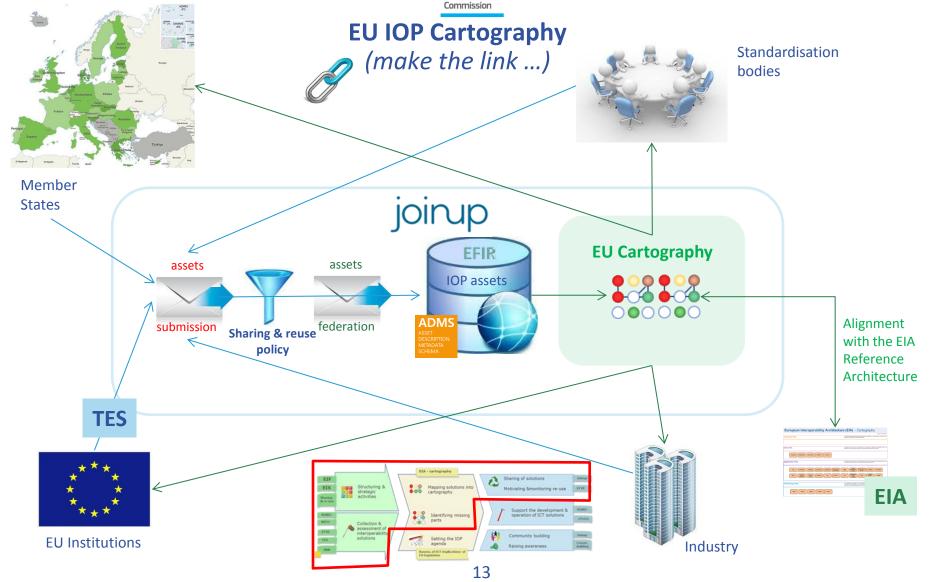


Interoperability Maturity Model (IMM)



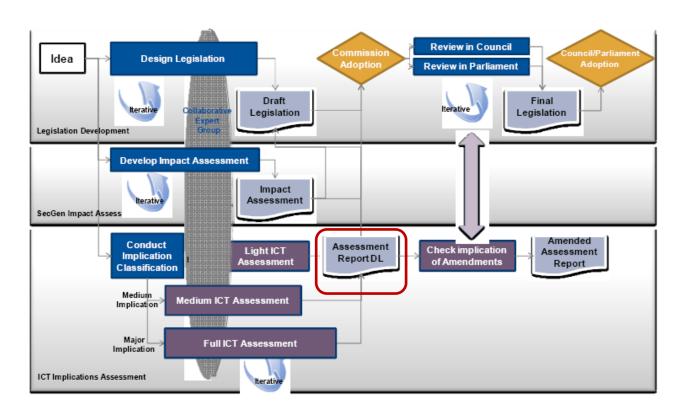








ICT implications assessment







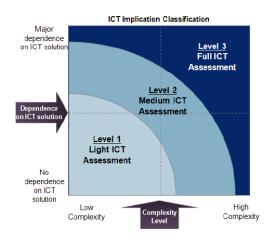
ICT implications assessment (cont.)

Step 1: Classify based on dependence on ICT and complexity of the solution



Step 2: Run the assessment









List of "must-do" for the medium ICT assessment

Step 3: Pass it on to the European Parliament and to the Council



Step 4: Amend if necessary



"business models" quick win

Business Models for sharing and reuse

- Objective: Identity sustainable business models for sharing and re-use of IT solutions
- Means: desk research, survey and interviews with public administrations in Member States and Commission services



- EU: e-Prior and Open e-Prior
- BE: IMIO: re-use and pooling of IT
- SE: procurement framework for re-using free solutions
- CH: Financing eGovernment priority projects



Development and use of shared services
3 cases

- EU: EC ICT Shared Services for EU services and other EU bodies
- EU: sTesta data communication network service
- UK: G-Cloud and Cloud store shared services and procurement

Shared development
of IT solutions
5 cases

- EU: Customs domain Sunset project
- EU: Customs domain collaborative implementation of the Customs code
- FR: OpenFoncier and OpenMairie frameworks for sharing development
- NO: Friprogforeningen and Frikomport shared development among municipalities
- FR: eBourgogne: Regional shared platform for electronic public services



Business Models for sharing and reuse (cont.)

Findings

- 1 Active incentives are needed to achieve sharing and reuse
- Political engagement is important but not enough financial benefit need to be created
- Identify and mitigate possible show-stoppers for collaboration early on
- 4 Know your target group Diversify your offers
- Success = ICT infrastructure services + procurement services + software as a service
- 6 Savings may come in many forms ...
- Reaping of benefits needs initial investment

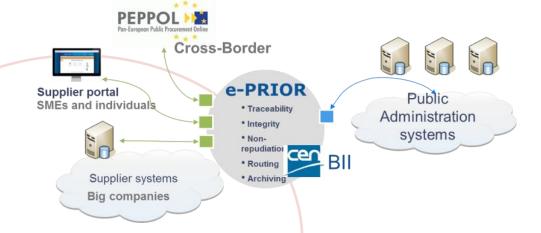


IT systems and Infrastructures

Development & operation of ICT solutions















A Core Vocabulary is a simplified, reusable, and extensible data model that captures the fundamental characteristics of an entity in a context-neutral fashion

Multi-disciplinary working group

67 participants

21 Member States and the US, South Africa and Croatia EU institutions Standardisation bodies External experts/academia Core Vocabularies Working Group W3C methodology



Core Location TF: chaired by EC Joint Research Centre/H6 (INSPIRE Directive)



Core Business TF: chaired by DG MARKT (European Business Registry project)





Core Person TF: chaired by EUROJUST
Eurojust promotes the interoperability in the judicial domain amongst MSs





Access to Base Registers

Identify good practises

People
Business
Land
Vehicle

Within a single MS OR Same type of base register across MS





Legal

Good practice #1: Equivalence of paper and electronic base registries records is formalised in legislation

Good practice #2: Principles of data sharing across sectors are formalised to bridge differences in legislation

Good practice #3: European initiatives have legal support to answer questions about national legislation

Good practice #4: Legislation regulating base registries uses technology neutral terms or standards and specifications which are not proprietary

Organisational

Good practice #6: Cross-organisational committees, with decision power, coordinate the interconnection between base registries

Good practice #7:Collaborative processes are put in place to design interoperable interfaces used for interconnecting base registries

Good practice #8: The conditions to exchange data between base registries are gradually formalised in service level agreements which are respected

Good practice #9: Stakeholders' engagement is an integral part of the lifecycle of interconnecting of base registries

Good practice #10: All base registries have defined a master-slave governance for data in a cross-sector setting

Good practice #11: The owners of base registries provide data at charges and not higher than marginal cost





Semantic

Good practice #12: Base registries are moving towards the use of ISA's Core Vocabularies

Good practice #13: EU-wide projects make use of coded values to reduce semantic conflicts

Good practice #14: Entities can be unequivocally identified within the Member State and across borders

Technical

Good practice #15: Service Oriented Architecture (SOA) is the architectural style for interconnecting base registries

Good practice #16: User and application access management is based on a federated structure of authorised users and applications

Good practice #17: The digital identity of a public administration is guaranteed by means of a digital certificate



Join ISA initiatives at: http://ec.europa.eu/isa/index_en.htm and @ http://joinup.ec.europa.eu

ADMS

DESCRIPTION **SCHEMA**

CESAR

COMMUNITY OF **EUROPEAN** SEMANTIC ASSETS **REPOSITORIES**



CORE **PERSON VOCABULARY**











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