ISA² Programme

Λύσεις Διαλειτουργικότητας: Υπηρεσίες και Εργαλεία

Ημερίδα ΕΚΚΔΑ:

Η Ευρωπαϊκή μεθοδολογία Διαχείρισης Έργων PM²

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Interoperability

"Interoperability" means the ability of disparate and diverse organisations to interact towards mutually beneficial and agreed common goals, involving the **sharing of information and knowledge** between the organisations, through the **business processes** they support, by means of the exchange of data between their respective ICT

ISA² – IT solutions for less bureaucracy
You click, we link.

Interoperability

- Legal interoperability
- Organizational interoperability
- Semantic interoperability
- Technical interoperability

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ISA² Programme
Interoperability solutions for public administrations, businesses and citizens

Programme managed by the European Commisssion supporting development of interoperable IT solutions & Services
Budget: 131M €
Duration: 2016-2020

Overview of ISA²

For public administrations

For businesses and citizens

Promote a holistic approach to interoperability

Cross border, cross sector and user centric public administrations

Identify, create and operate interoperability solutions

Facilitate the reuse of interoperability solutions by European public administrations

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ISA² programme - policy context

Contributes to **completing** the Digital Single Market

Contributes to the implementation of the eGov Action Plan (2016-2020) and the European Interoperability Framework
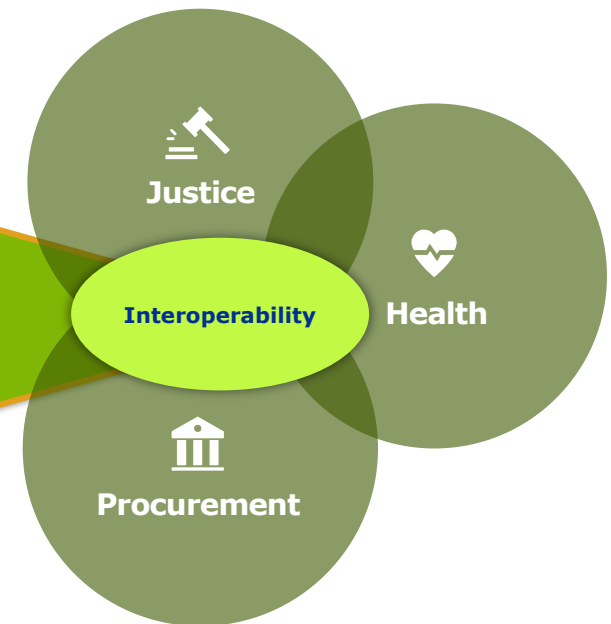
Complements other EC programmes, e.g. CEF, European Social Fund (Operational Programme, administrative capacity), Regional funds, SRSP

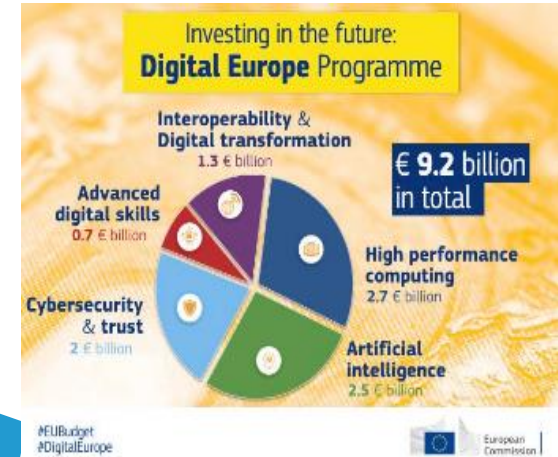Contributes to many EU policies, e.g. Open DATA initiative, the PSI directive, TOOP, Digital Single Gateway

Political context

The Tallinn Declaration recognised that the digital transformation of public administration can be greatly facilitated by interoperability (IoP)

EU2017.EE

1. Digital-by-default
2. Once-only
3. Trustworthiness and Security
4. Openness and transparency
5. **Interoperability by default**
6. Horizontal enabling policy steps
7. Cross-border by default

Justice

Health

Interoperability

Procurement

SOURCE Tallinn Declaration on eGovernment

European
Commission

Challenges towards the future

- Data (once only principle, semantic/technical interoperability,…)

- New technologies impacting PA

- Synergies with other programmes

- Exploit potential of EIF

- Government interoperability platform

- …

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Solutions

![European Commission logo]

ISA² Programme solutions

Check out our interoperability and open source solutions to cut red tape. More to come!

Key & generic interoperability enablers	Semantic interoperability	Decision making & legislation	EU policies –Supporting instruments	e-Procurement/ e-Invoicing	Geospatial solutions	Supporting instruments for public administrations

Secure document exchange platform **eTrustEx**	ArchiMate diagrams visualising e-Document lifecycle **e-Docs**	Data model to describe public services & associated life & business events **CPSV-AP**	Data communication network service **TESTA**	Metadata standard **DCAT-AP**	Share your own semantic assets **Core Vocabularies**	Government metadata management **ADMS**	Multilingual platform for collaborative thesaurus management **VocBench3**

| Facilitate the editing of legislative texts **LEOS** | Gather statements of support online **OCS for ECIs** | e-Procurement system for Public Administrations | Facilitate participation in public procurement across the EU **ESPD** | Map certificates necessary in public procurement **e-Certis** | Manage & share reference codes **Re3gistry** | Common assessment method for standards & specifications **CAMSS** | Platform for sharing & reuse of IT solutions for public administrations **Joinup** |

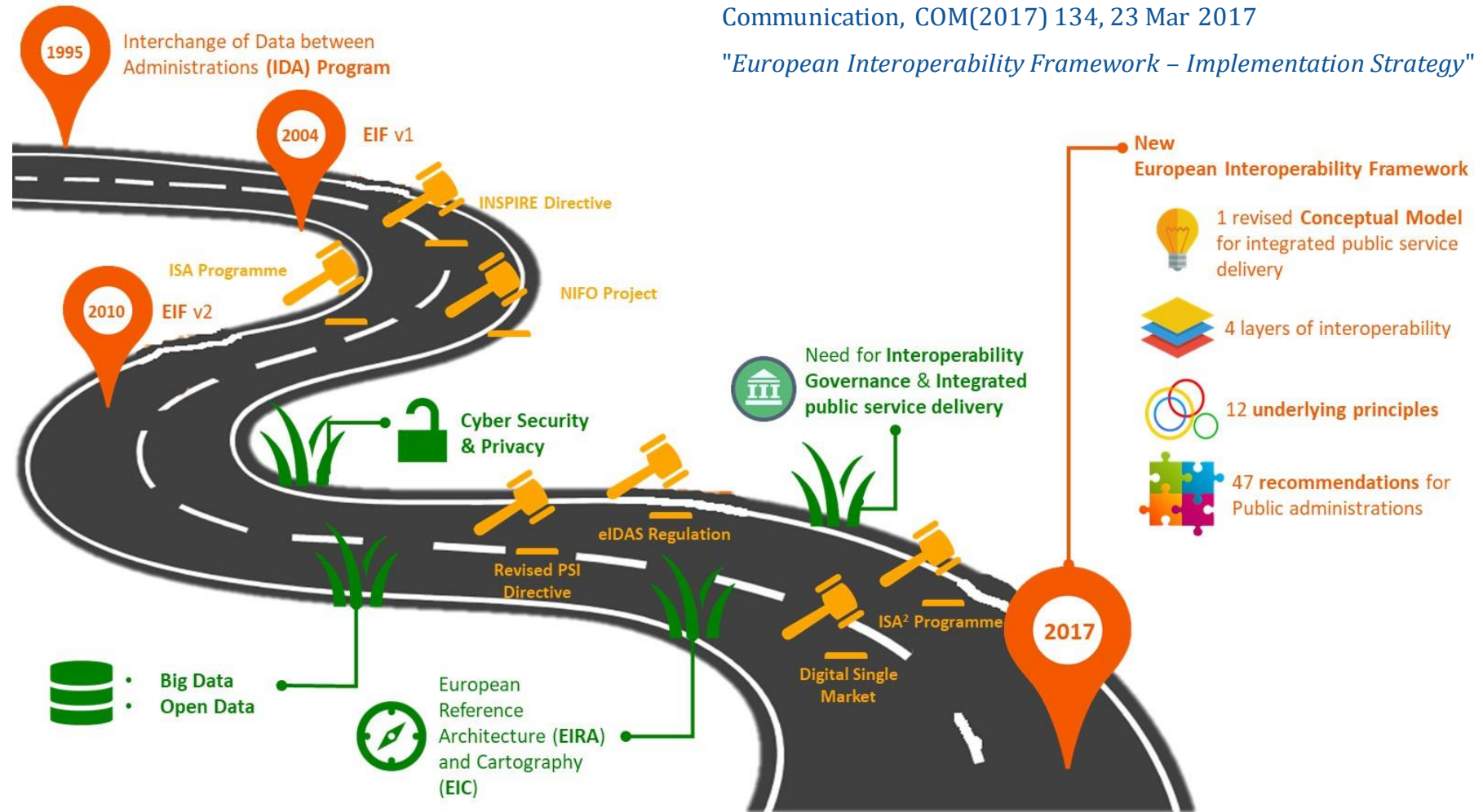| Communication & Info Resource Centre for Administrations, Businesses & Citizens **CIRCABC** | National Interoperability Framework Observatory **NIFO** | EU IOP Reference Architecture & EU Interoperability Cartography **EIRA & EICart** | Open Project Management Methodology **PM²** | Create, manage and analyse online surveys & public consultations **EUSurvey** | Open source licence **EUPL** | Interoperability Maturity Model **IMM** | Interoperability & conformance testing platform **IOP TestBed** |

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Learn more:

IoP Storyline

Communication, COM(2017) 134, 23 Mar 2017

"*European Interoperability Framework – Implementation Strategy*"

1995 Interchange of Data between Administrations (IDA) Program

2004 EIF v1

INSPIRE Directive

ISA Programme

NIFO Project

2010 EIF v2

Cyber Security & Privacy

Need for **Interoperability Governance** & **Integrated public service delivery**

New **European Interoperability Framework**

1 revised **Conceptual Model** for integrated public service delivery

4 layers of interoperability

12 **underlying principles**

47 **recommendations** for Public administrations

eIDAS Regulation

Revised PSI Directive

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2017

Digital Single Market

- **Big Data**
- **Open Data**

European Reference Architecture (**EIRA**) and Cartography (**EIC**)

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Detailed view of the EIF structure:

1 Conceptual Model

4 Layers of interoperability

Legal interoperability to ensure that organisations operating under different legal frameworks, policies and strategies are able to work together.

Organisational interoperability to align business processes of PAs and relevant information exchanged

Sematic interoperability to ensure that the precise format and meaning of exchanged data and information is preserved and understood throughout exchanges between parties

Technical interoperability covers the applications and infrastructures linking systems and services.

12 Underlying Principles

1. Subsidiarity and proportionality
2. Openness
3. Transparency
4. Reusability
5. Technological neutrality and data portability

6. User-centricity
7. Inclusion and Accessibility
8. Security & Privacy
9. Multilingualism

10. Administrative simplification
11. Preservation of information
12. Assessment of effectiveness and efficiency

47 Recommendations

EXAMPLE

+ *Recommendation 39:*
Match each base registry with appropriate metadata including the description of its content, service assurance and responsabilities, the type of master data it keeps, conditions of access and the relevant licences, terminology, a glossary, and information about any master data it uses from other base registries.

Base of the questionnaire

European
Commission

Commission

Reuse & share at the core

Underlying principle 4: reusability

There are some key challenges that limit the sharing and reuse of IT solutions, at technical, organisational, legal and communication levels. **The ISA² sharing and reuse framework for IT solutions**[12] **provides recommendations for public administrations** to help them overcome these challenges and share/ reuse common IT solutions. Reuse and sharing can be effectively supported by collaborative platforms.[13]

✚ *Recommendation 6:*
Reuse and share solutions, and cooperate in the development of joint solutions when implementing European public services.

✚ *Recommendation 7:*
Reuse and share information and data when implementing European public services, unless certain privacy or confidentiality restrictions apply.

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Share & Reuse

Sharing & Reuse action

S&R

S&R supports public administrations in sharing and reusing IT solutions to provide better electronic services to businesses and citizens

Sharing and Reuse

OSOR

Open Source Observatory

Exchange of information, experience and best practices around open source solutions for use in public administrations

Action 2016.31

OPM²

PM²

Freely reusable project management methodology available to public administrations in Europe

Open PM²

EUPL

EUPL

European Union Public Licence

Tool for publishing any copyrighted software as open source; legally consistent with the copyright law of all EU countries

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Share & Reuse
Open PM²

[Open Project Management Methodology (Open PM²)](#) created under Sharing and Reuse action. Open PM² is a free version of the PM² developed by the European Commission in 2007. enable project teams:

✓ to manage their projects effectively & deliver solutions and benefits to their organisations and stakeholders

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OpenPM²

OpenPM² in joinup

Join the [OpenPM² community](#) on Joinup.

Ερωτήσεις;

Ευχαριστώ για την προσοχή σας

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