e-SENS
Electronic Simple European Networked Services

Multilingual challenges for cross-border public services

Riga, 28th of April 2015

Large Scale Pilot Projects (LSP)

The idea:

- Create sustainable and extensible solutions
- Create software building blocks which can be easily adopted and used for different kinds of IT-projects

Existing software building blocks

- e-Delivery, e-ID, e-Signature, **semantics**, …

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e-SENS at a glance

- **Project start:** 1st April 2013
- **Project Coordinator:** Ministry of Justice NRW, Germany
- **Duation:** 36 months
- **Project budget:** 27 m €
- **EU financing:** 13.5 m €
- **Programme:** Competitiveness and innovation framework programme (CIP), ICT policy support programme

Consolidate, improve, extend

e-SENS

- **Consolidates** the results of LSP projects

- **Improves** solutions and develops generic modules

- **Extends** their usage to more domains

High Level Building Blocks

 High Level Building Block (HBBs) Generic building blocks, their inter-relationships with other building blocks, combined with the principles and guidelines that provide a foundation on which more specific architectures can be built.

The identified High Level Building Blocks of e-SENS are:
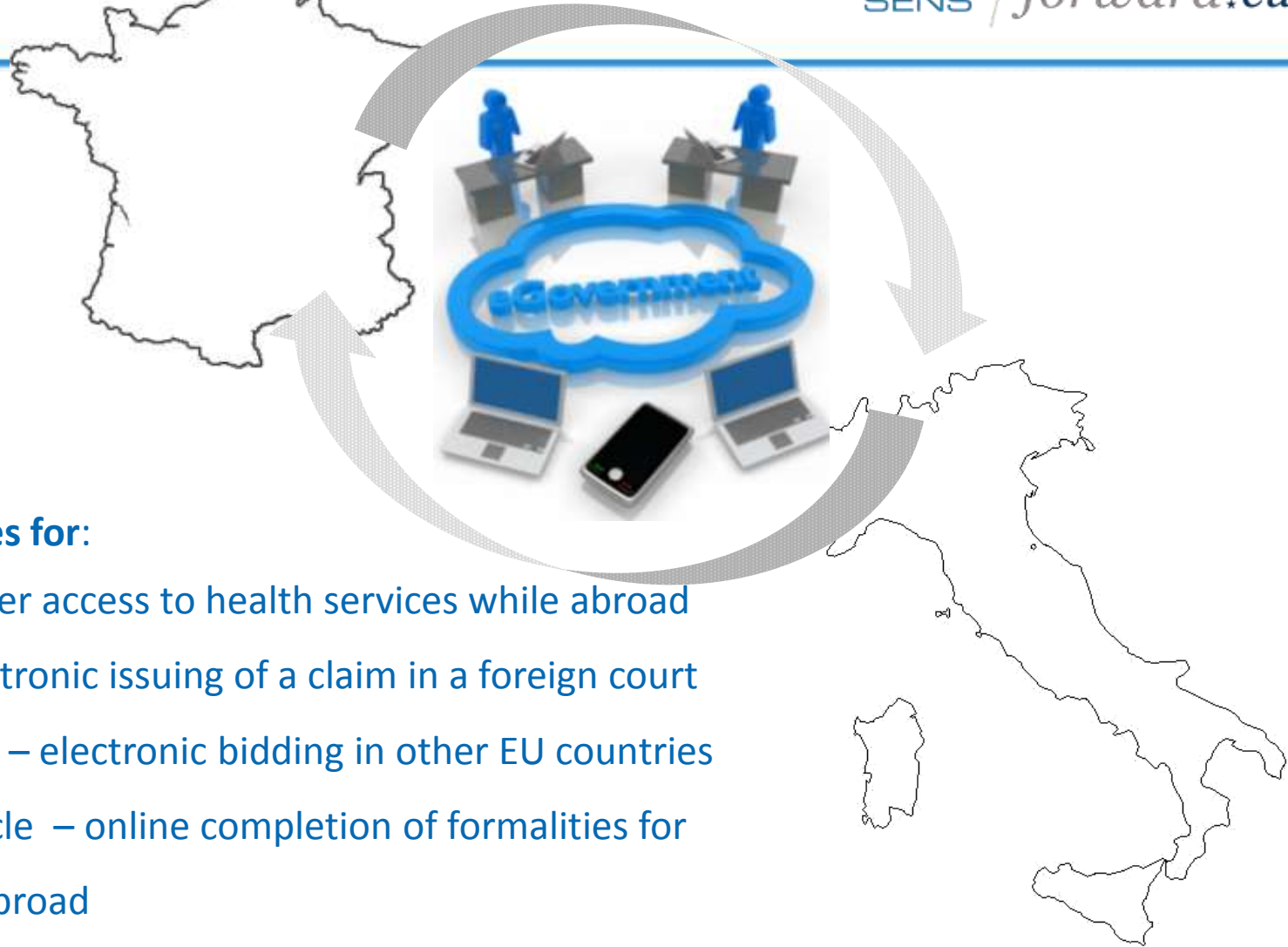- ❖ **e-Delivery,**
- ❖ **e-Documents,**
- ❖ **e-Signatures,**
- ❖ **e-ID**

Cross domain re-usable building blocks

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Piloting

- Integration of technical modules with national systems

- Testing technical solutions in real life scenarios

- Opportunity for business and citizens to deal with cross-border cases in public administration electronically

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Real life scenarios

Cross border cases for:

➢ e-Health – easier access to health services while abroad

➢ e-Justice – electronic issuing of a claim in a foreign court

➢ e-Procurement – electronic bidding in other EU countries

➢ business lifecycle – online completion of formalities for

company setup abroad

➢ new domains …

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Interoperability layers and e-SENS building blocks

Political Context	Proposals for legislation
Legal Interoperability ⟷ Legislative Alignment	Legal process modelling and gap anaysis against legislation
Organisational Interoperability ⟷ Organisation and Process Alignment	Business processes defined by domains Trust models within and across domains
Semantic Interoperability ⟷ Semantic Alignment	eDocument
	Attribute provision
Technical Interoperability ⟷ Interaction & Transport	Trust services
	eDelivery

eID / e-signature

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European e-Justice Portal

e-Documents

e-Document building block structure

e-Document consists of three layers. Each of them is an input level for different information.

Payload Layer
+ Metadata Layer = Container
Security Layer
Different container format { PDF Adobe ZIP }

e-Documents / layer 1

Payload Layer
Platform for uploading files

DOC JPEG MPG PDF Adobe

You will be able to loady any type of file here

e-Documents / layer 2

2

Metadata Layer
Description of the payload level files

You will be asked to provide the information describing previously uploaded files.

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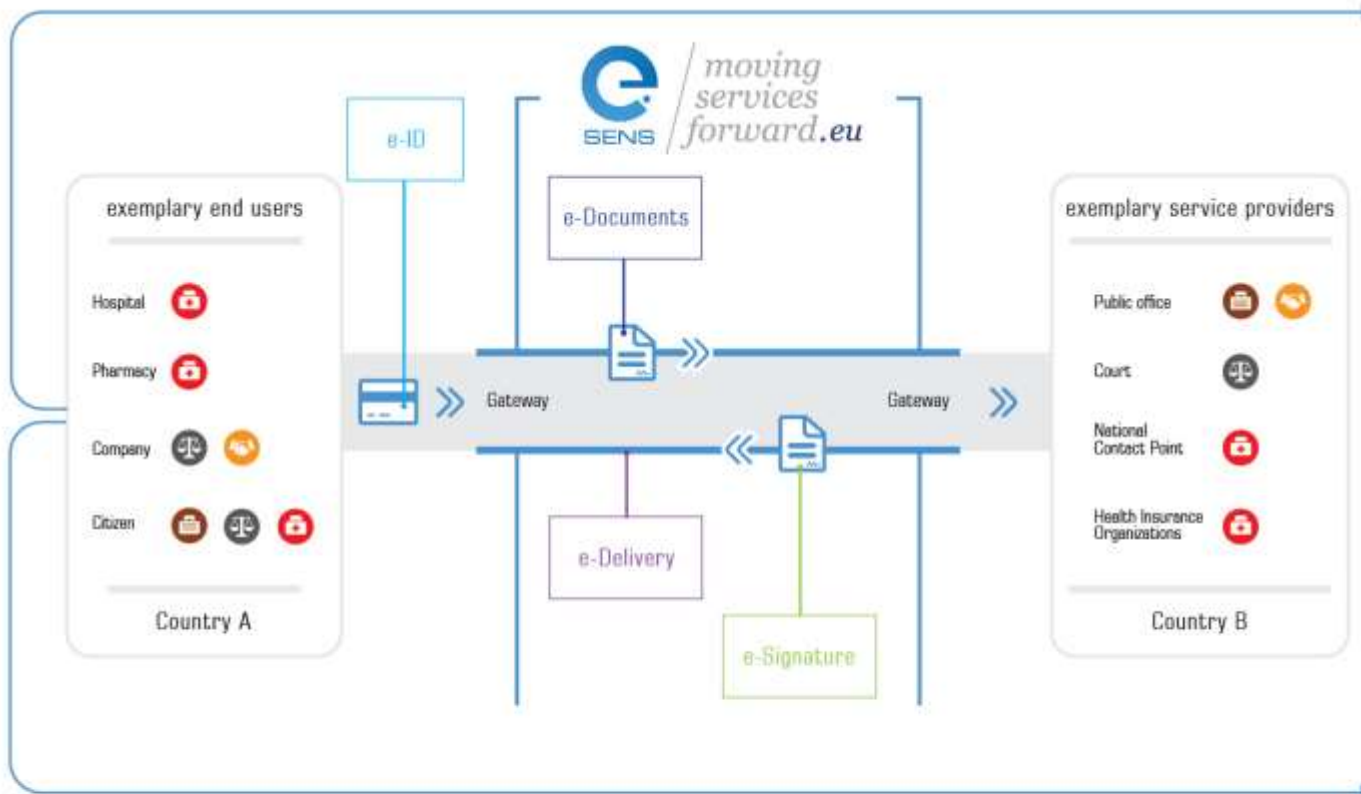
e-Documents / layer 3

3

Security Layer
Provides data protection

Your digital signature will be used to authorize the documents from the payload layer.

High level architecture

Who will benefit?

citizens

easier travelling, leaving and working

less bureaucracy

seamless communication with public offices

business

easier for companies to do business on their own

Electronic fulfillment of legal requirements

lower costs of running business

new business opportunities on EU market

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