

Varno priznavanje elektronskih identitet v Sloveniji in med državami EU



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Ministrstvo za javno upravo

27. in 28. september 2010



Pan-European e-Government Services: examples

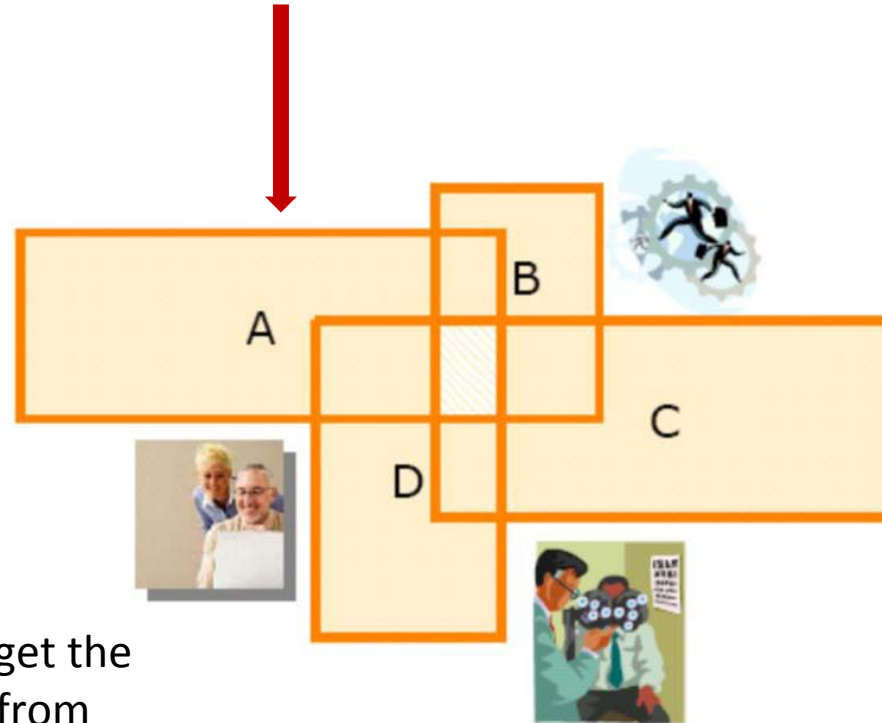
- Services Directive implementation
- e-Justice portal
- e-Procurement
- e-Invoices
- e-Social-economic environment
- e-Health
- EU land information systems
- ...

Problem: lack of interoperability!



EXAMPLES on a EU eIDM framework...

A citizen located in country A with an eID...



will be able to make tax declarations in country B where h/she is working (commuting)...

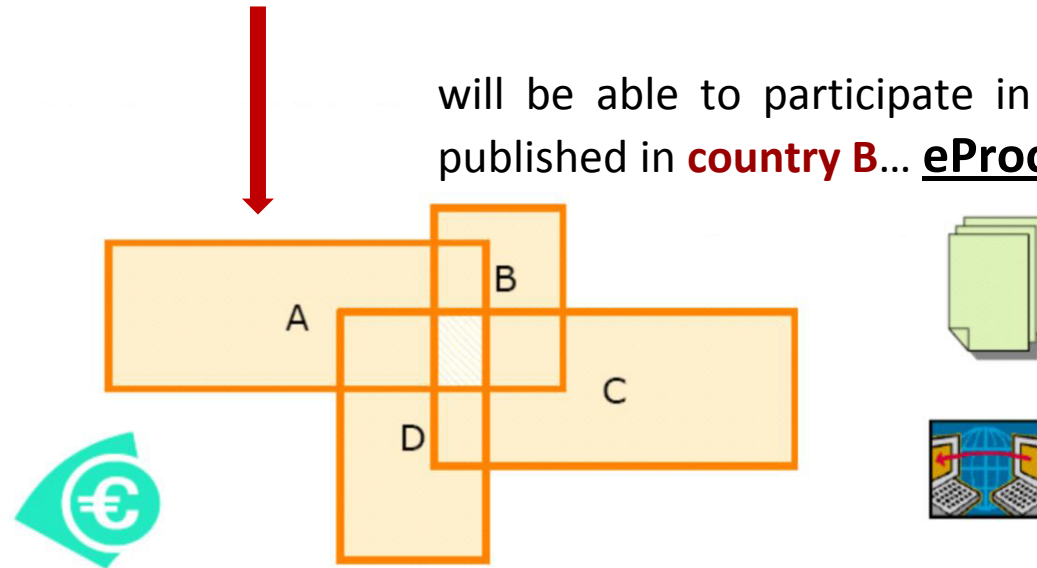
will be able to get the pension rights from country D (where h/she worked some years ago) online

will be able to get automatic and paperless reimbursement of health expenses incurred during holidays in country C...

EXAMPLES on a EU eIDM framework...

A business located in country A with an eID...

will be able to participate in public tenders published in **country B**... eProcurement



will be able to get the repayment and refund of VAT expenditures easier in country D...

“one stop shop”

will be able to make safer electronic transactions with clients and suppliers in country C... eCommerce

Europe: different solutions



▶ Smartcard based Model

▶ Belgium, Estonia, Portugal,... like



▶ Pure certificate based Model

▶ Austria, Slovenia,... like



▶ Passport based Model

▶ UK, Ireland,... like

Slovenia - PKI based solutions

Digital Certificate = Presents a modern alternative to old fashioned forms of identification

Content:

Name and surname of the holder

Unique number

- Public key
- E-mail address
-

DN: cn=Ales Dobnikar, ou=CVI,
c=si

Serial #: 8391037

Start: 30/6/2007 14:20

End: 30/6/2012 14:50

E-mail: Ales.Dobnikar@gov.si

Key:



CA DN: ou=SIGOV-CA, c=SI



Certified
by the certificate authority

Slovenia - Legal Bases

- **Electronic Commerce and Electronic Signature Act (2000, changes in 2001, 2004, 2006)**
- **Decree on Conditions for Electronic Commerce and Electronic Signing**
- **Personal Data Protection Act**
- **Secret Data Protection Act**
- **CA Policy (public and internal part of rules)**

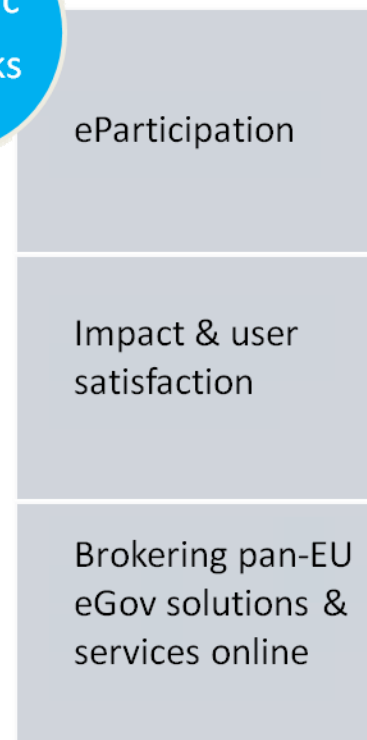
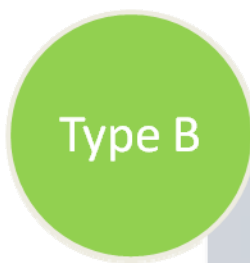


Slovenia - Register of Certificate Service Providers

- **Regulated in ECESA (electronic, digitaly signed form)**
- **Managed by Ministry of Higher Education, Science and Technology**
- **Basis for Certificate-based e-services in Slovenia (instead of cross-certification)**
- **5 CSP's issuing qualified certificates:**
 - SI*CA (CA at MPA)
 - HALCOM CA
 - AC NLB
 - POŠTA CA
 - SI-MoD-CA



eGovernment objectives (ICT-PSP call 2007)



What does **STORK** stand for?



Our Vision:

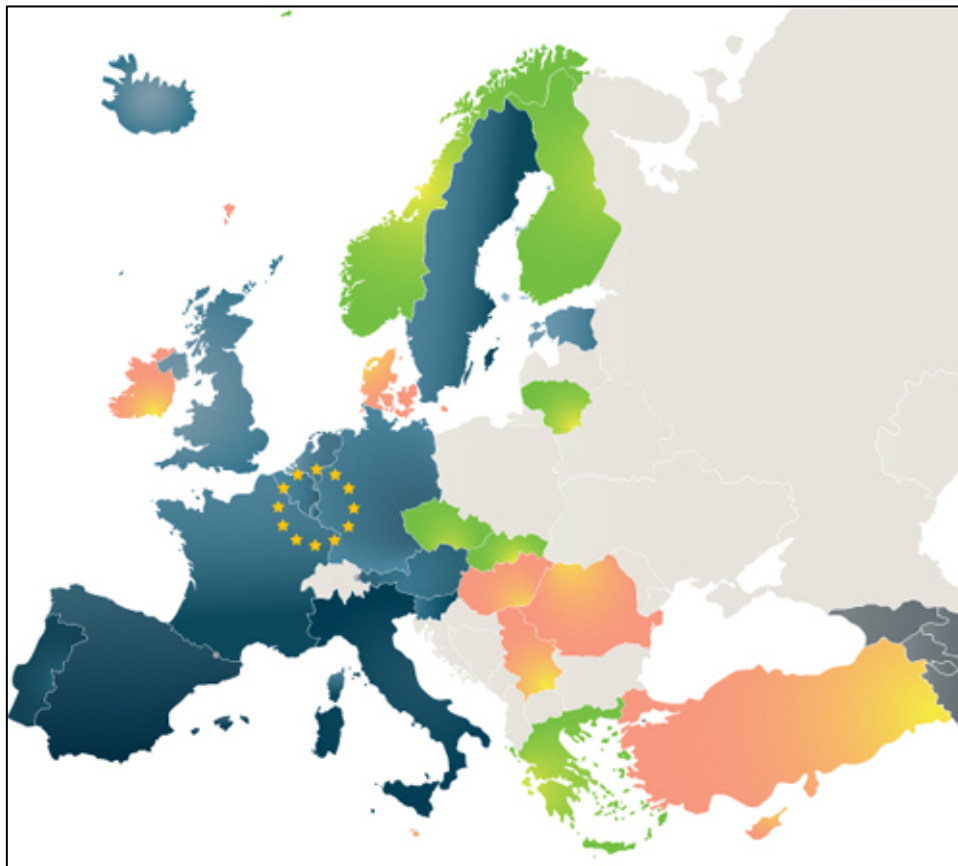
To simplify administrative formalities by providing secure online access to public services across EU borders.



Our Mission:

To develop and test common specifications for secure and mutual recognition of national electronic identity (eID) between participating countries.

STORK – Member State involvement



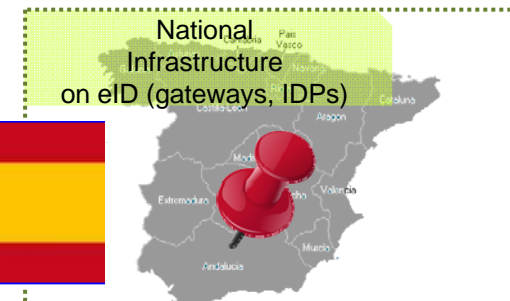
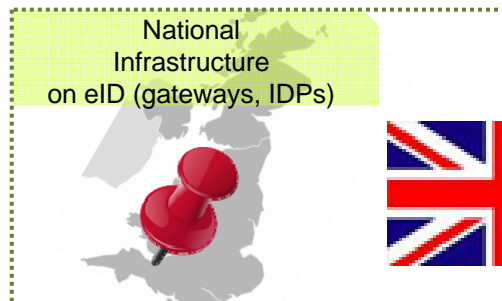
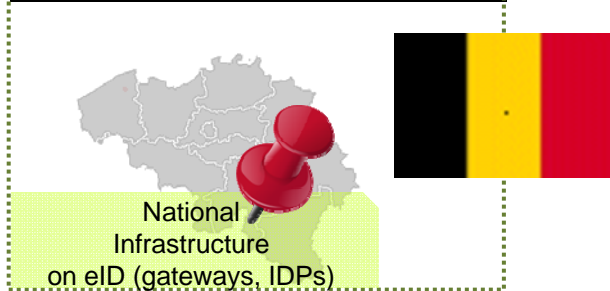
Member States/EEA - STORK

Member States Ref Group

Candidate Countries

STORK – our challenge

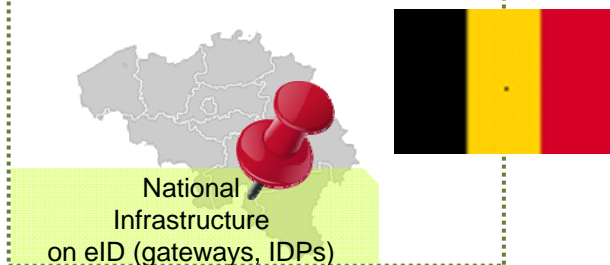
How to build a European eIDM framework?



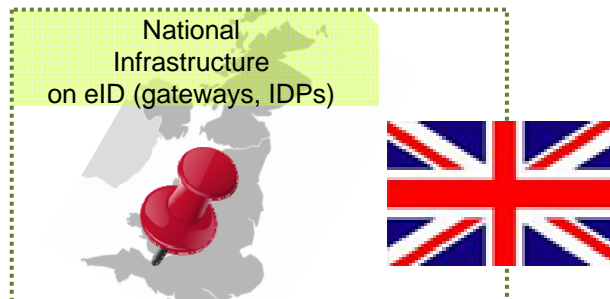
STORK – our challenge



SERVICE PROVIDERS



National Infrastructure on eID (gateways, IDPs)

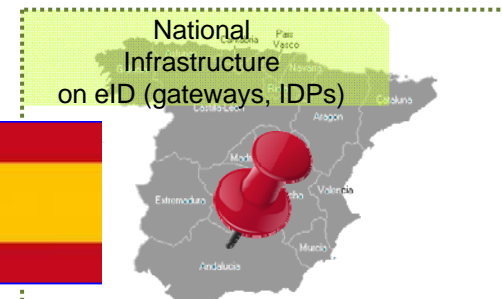
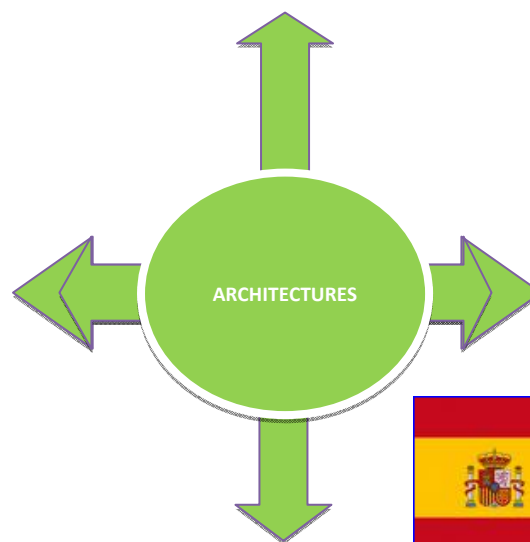


National Infrastructure on eID (gateways, IDPs)



SERVICE PROVIDERS

Definition of interoperable Architectures on eID



National Infrastructure on eID (gateways, IDPs)



SERVICE PROVIDERS

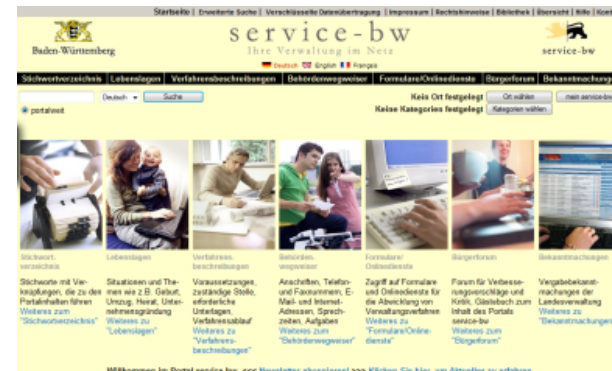
STORK – High Level Architectural Approach



Easy integration at the Service Provider with smart-cards as means of eID



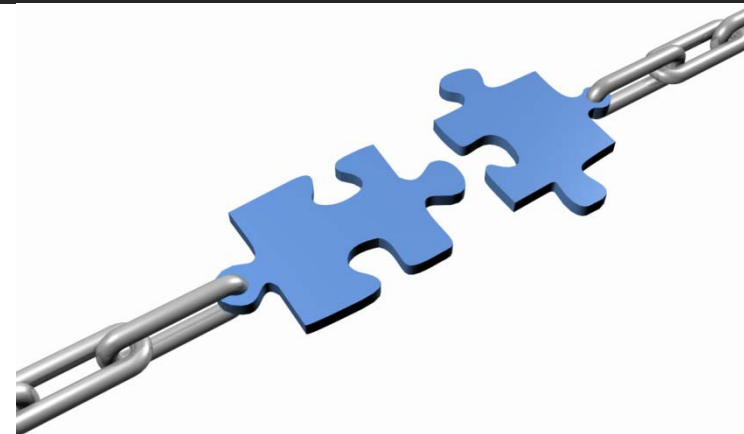
Middleware



STORK – Making Governments to co-operate



STORK Pilot 1 – Cross border authentication



Objectives:

- To connect and test existing national portals and services to the EU interoperability layer defined and implemented;
- To test the trust framework defined;
- To test that the integration works with a variety of login methods and tokens;
- To assess ease of use and take-up of cross border eID services;
- To implement an EU portal providing a set of links to the cross border services.

STORK Pilot 2 – Safer chat



Objectives:

- To build a platform for safer online environment where people can communicate on-line after authenticating with their eIDs.
- Safer chat is aimed to make chatrooms more secure where people authenticate with their eIDs
- In addition to using an eID to access to these chatrooms access can be limited by attributes such as age and gender

STORK Pilot 3 – eID Student Mobility



Objectives:

- To facilitate student's mobility across Europe.
- To enable students to register online with their trusted identity
- To enable students to transfer their academic qualifications online to facilitate trusted access to services online.

STORK Pilot 4 – eID electronic delivery



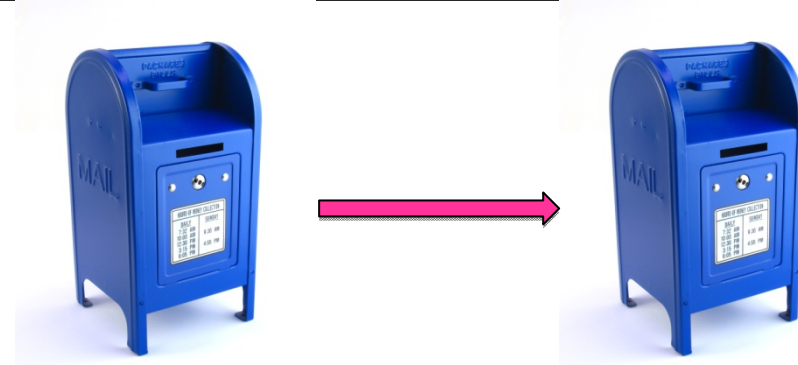
Affiliate MS



Objectives:

- The objective of this pilot is to demonstrate cross-border electronic delivery based on the existing domestic infrastructure
- The scope ... is to provide a concept for an interoperable e-delivery framework.
- Concentrates on identity related issues thus deals with the e-delivery process in general and focuses on how to identify and authenticate involved entities in all phases of e-delivery. Legal aspects are addressed in an analytic way.

STORK Pilot 5 – EU Citizen Change of Address



Objective:

To test the electronic process of address change of EU citizens that move abroad to other MS.

STORK – Community



STORK – Getting involved

Industry group:

The STORK Industry Group has been set up as an open forum where industry stakeholders can remain informed of developments throughout the project and feed back their comments to the Consortium. The Industry Group includes large, medium and small companies and associations in the ICT sector that manufacture, supply and consult on infrastructure and end user related products for electronic ID.



Members to date:

Tractis, CSF BV, Cryptolog, Corestreet, Institute of Medical Technology and Equipment, Sun, Jacob-Steen Madsen, Unisys, CA Inc, Ecebs Ltd, Safe BioPharma Association, Izenpe, PWC, SAFELAYER Secure Comm, Ascertia Ltd, Agilesoft, EADS... etc

STORK – Getting involved

Member State reference group:

The STORK Reference Group has been set up as an open forum where EU Member States, associated countries and EU institutions which are not already part of the project can remain fully informed of developments throughout its duration and feedback their comments to the Consortium. More specifically, the MS Reference Group is composed of representatives of MS national authorities, EEA member states, EU candidate states, and potential EU candidate states, in charge of national identity.



Members to date:

Slovakia, Turkey, Malta, Lithuania, Cyprus, Greece, Hungary, Poland, Czech Rep, Norway, Denmark are members...



STORK – Open standards

The meaning of open standards:

- results of the project adopted and maintained openly
- results fully published and available for use, re-use, copying, and distribution without constraints for free or for a nominal charge
- intellectual property irrevocably available on a royalty-free basis
- solutions based on open standards where possible



STORK – Deliverables

Final versions published online and available to non-partners:

- reports (legal aspects, process flows...)
- functional design and technical design for PEPS/MW models
- interface specification
- software architecture design
- functional specification for each pilot
- PEPS/MW common code
- etc.



STORK – Timeline

Timeframe of 3 years (May 2008 – May 2011):

- Y1: analysis and specification (legal framework, functional and technical specification...)
- Y2: PEPS/MW design and implementation, common and country- specific development
- Y3: running pilots, evaluation, sustainability...



STORK – Current status

All pilots in production.

Major activities:

- minor improvements, new versions
- dissemination, marketing
- evaluation
- sustainability



STORK – Sustainability

Some facts:

- interoperability systems (PEPS/MW) up & running
- pilot applications operative in several MS
- additional pilot for EC services
- need for further cross-border services
- etc.

What will happen after May 2011?

- still undecided yet
- part of the EC ISA Work Program
- meeting STORK-EC



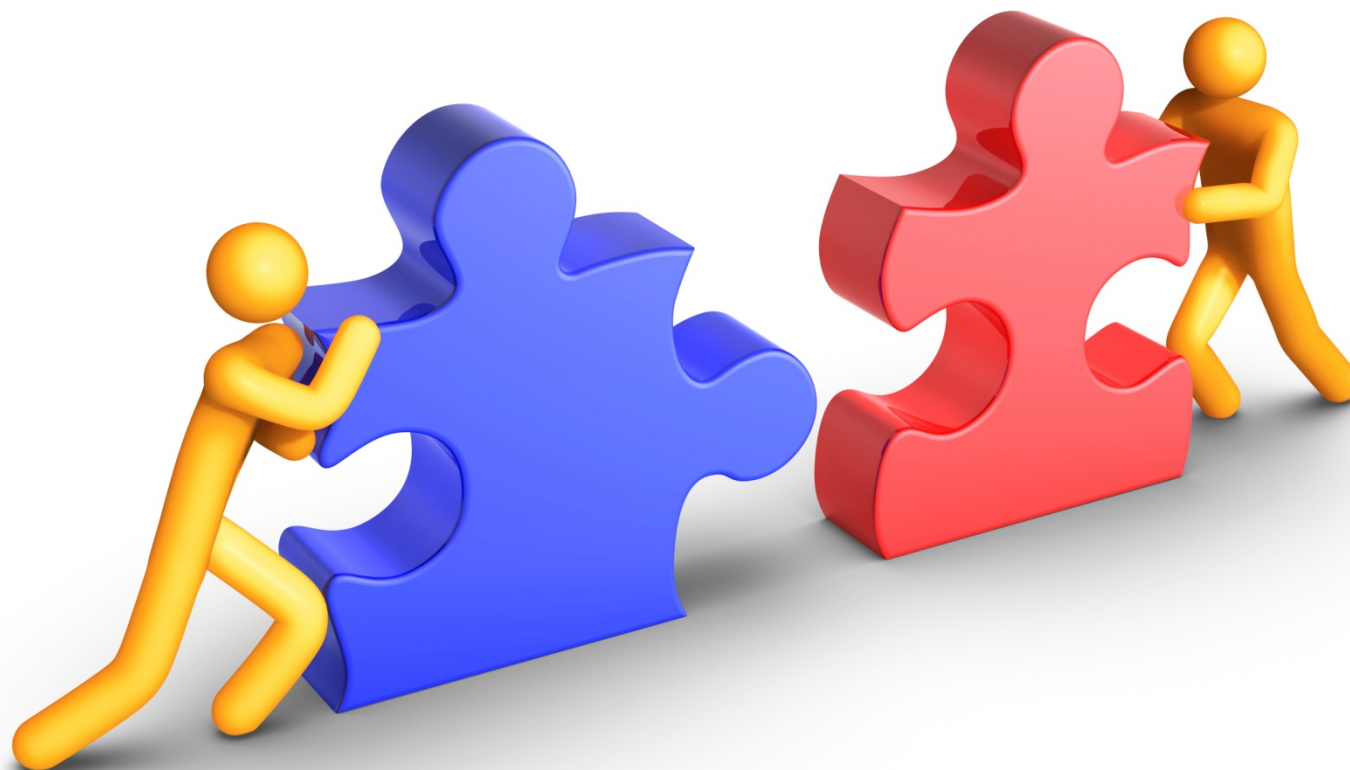
STORK – Hands on

Try it yourself:

- Slovenian Change-Of-Address STORK enabled service:
<https://peps.mju.gov.si/COA/>
- authentication: qualified digital certificate SIGEN-CA or PoštarCA



STORK – eID interoperability



info@eid-stork.eu
<http://www.eid-stork.eu/>

