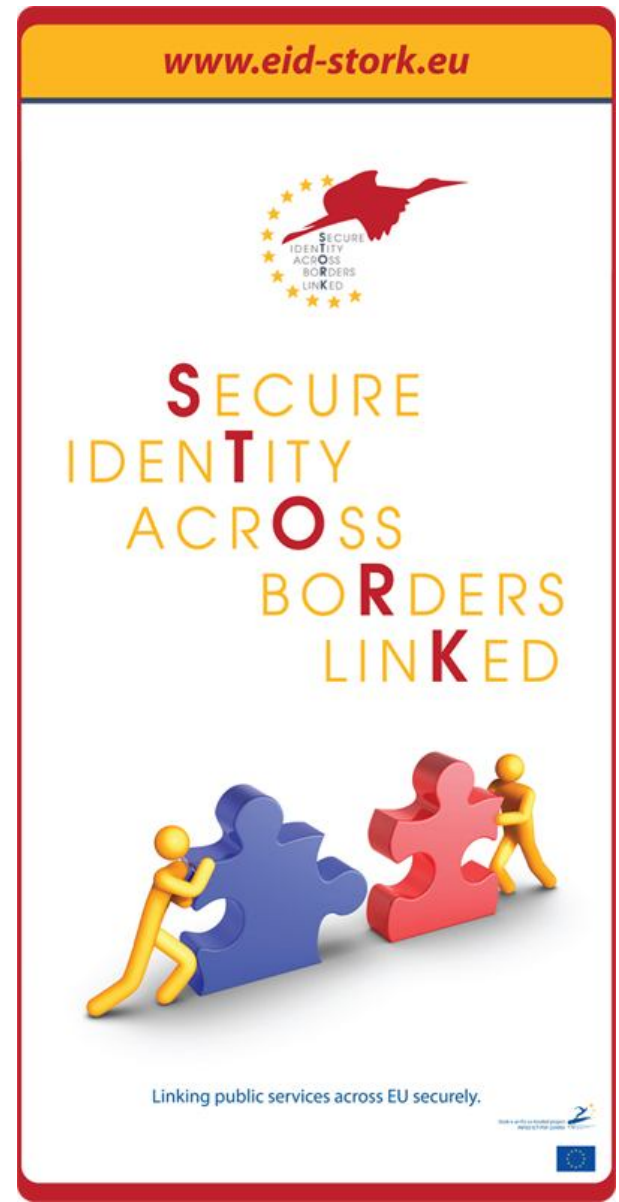


Cross-border authentication for electronic services – STORK project

Volker Reible
T-Systems International GmbH

ITAPA International Congress
25 – 26 October 2011, Bratislava



Erleben, was verbindet.

STORK

Heterogeneous eID landscape

- Technology
 - Smartcards: AT, BE, DE EE, ES, FI, IT, PT, SE,
 - Mobile eID: AT, EE, FI, LU, NL, NO
 - Soft certif.: ES, SE, SI, ...
 - usern./pass.: NL, UK, ...
- Operational
 - Issued by public sector, private sector, combined
 - Issued at federal, regional, or local level
- Legal
 - (limited) use of identifiers; flat, sectoral, combined

User ID & Password

Enter your User ID & Password:

[Digital Certificate](#)

[Chip & Pin - Respond](#)

[Chip & Pin - Identify](#)

[One Time Password](#)

User ID [Forgotten your User ID?](#)

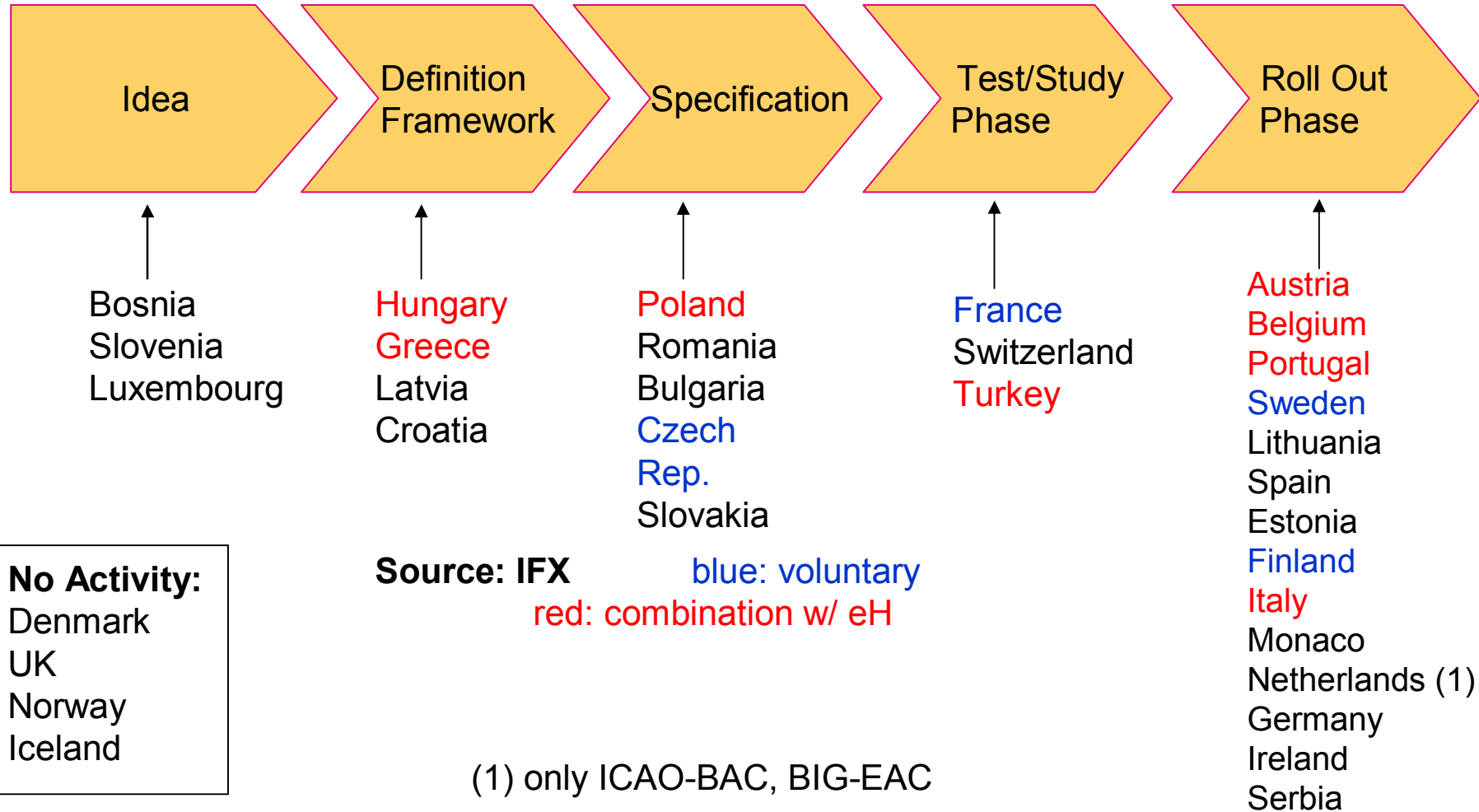
Password [Forgotten your Password?](#)



National eID/eGov based on Smart Cards

Overview in Europe, Status August 2011

Typical steps for Government Projects



National eID/eGov based on Smart Cards

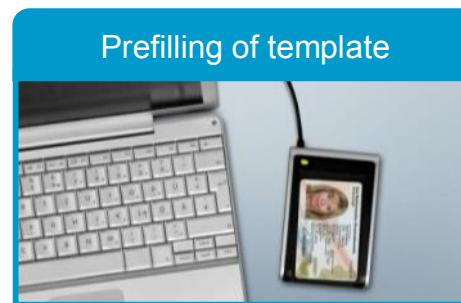
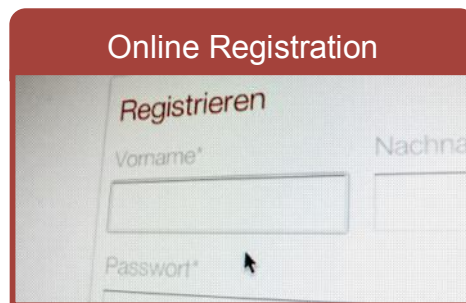
Overview in Europe, Status August 2011

- Germany** Start release nPA November 1st, 2010
- Ireland** Start of the release of the citizen service card from January 1st, 2011
Functional range: social insurance, health and public services.
- Switzerland** Pilot test of the eSignature function with the SwissID since Q4/2010.
- France** Modification proposal of the national identity card law should have been brought in the parliament on April 28th, 2011; the date had to be cancelled.
- Poland** Postponement of the release from July 1st, 2011 to January 1st, 2013 has been announced.
- Romania** Postponement of the release to end of 2012 has been announced.
- Hungary** Electronic identity card is in the specification phase; the health function shall be supported.

STORK

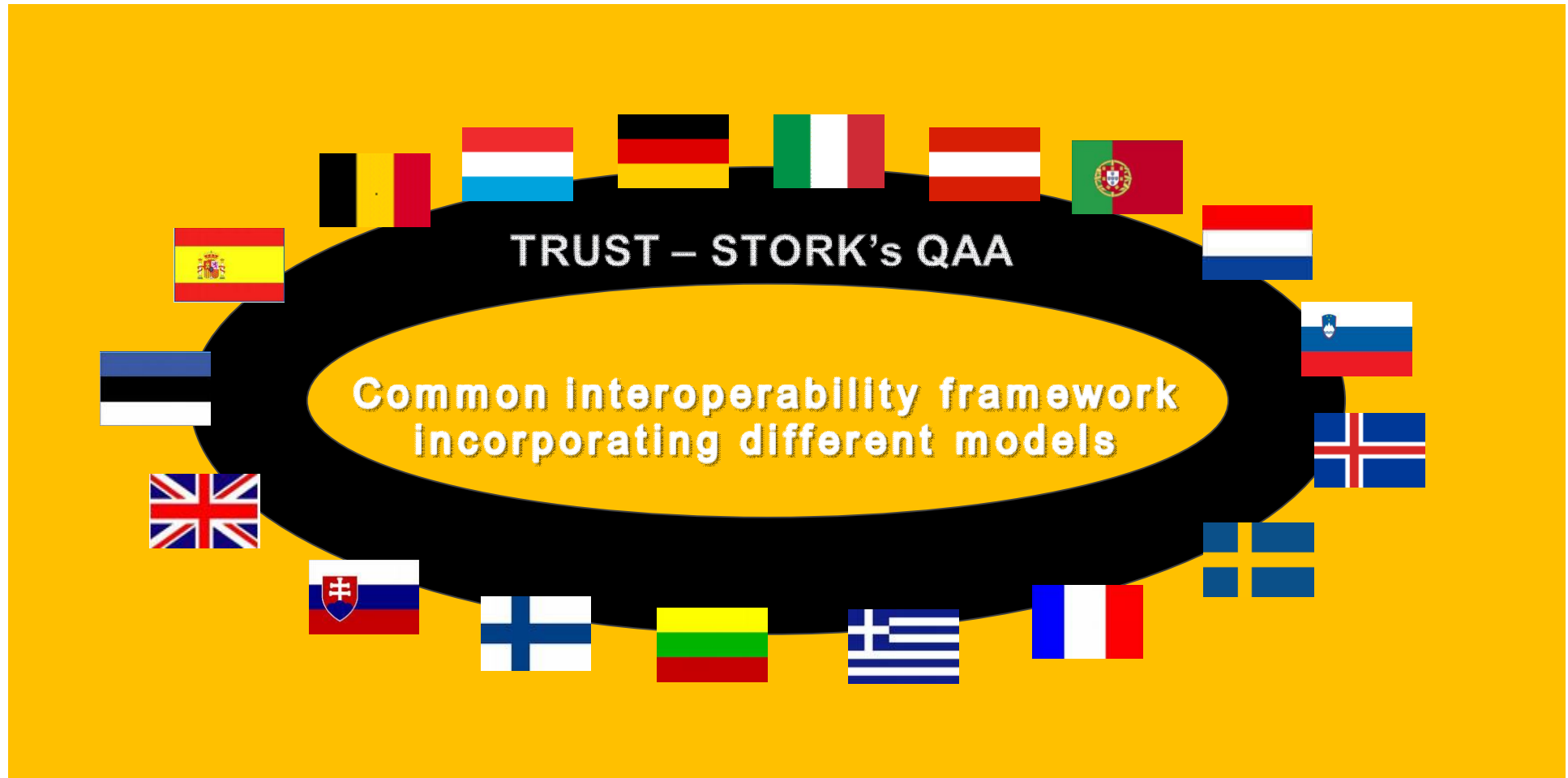
Economic factor eID

- Internet does not know borders
- eCommerce growing rapidly
- mutual recognition of actors

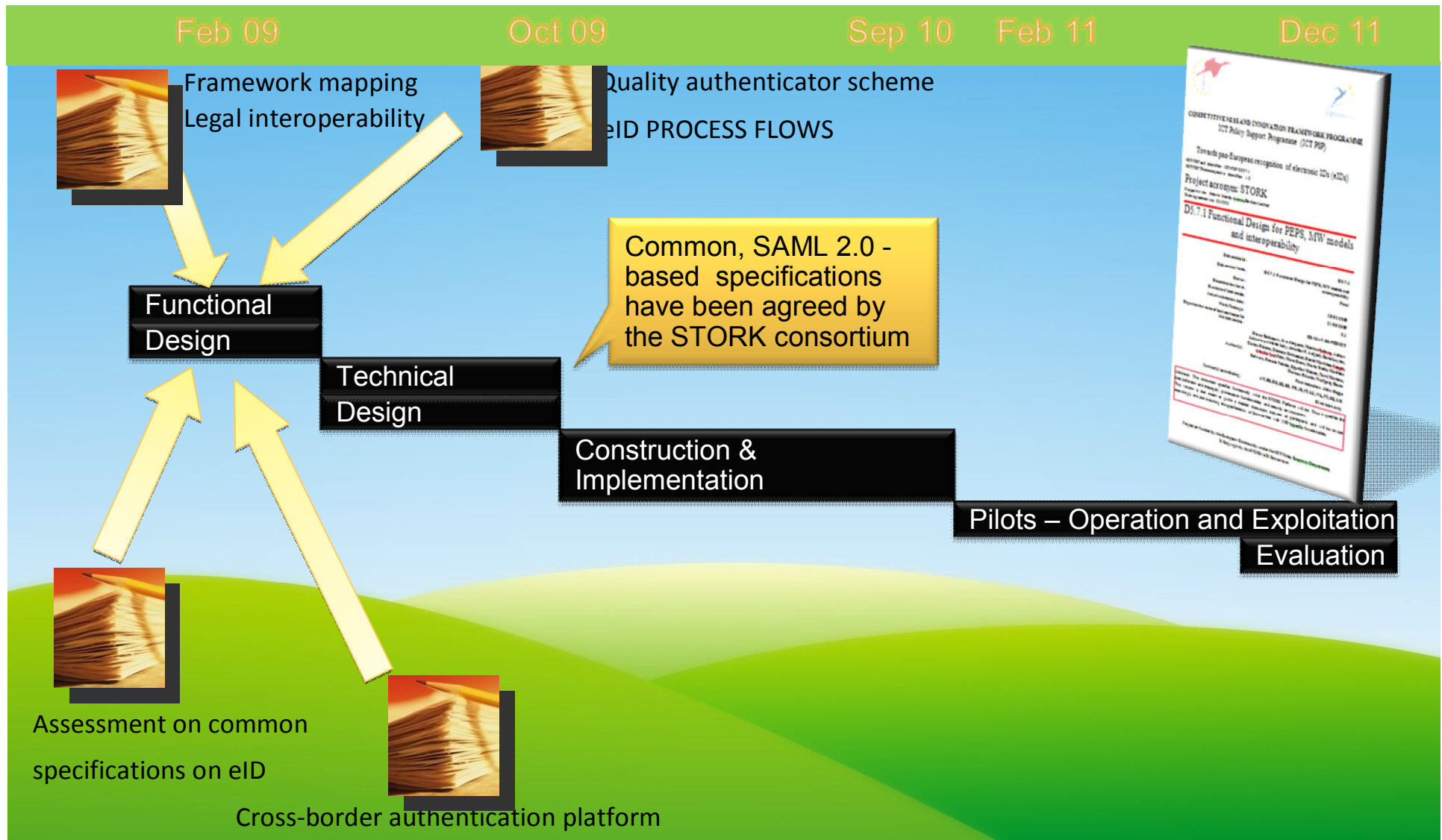


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EU Member States co-operate



Project structure



STORK

Use cases

- STORK assumes online-access of citizen with eID
 - User-centric model
 - Four use cases
 - **Authentication:** in an online access to a service provider
 - **Attribute Transfer**
 - STORK defines eID as the identifier (e.g. national citizen ID),
 - “the rest” (name, date of birth, qualification) are attributes
 - **Attribute Verification:** is a certain attribute presented by the citizen correct?
 - **Certificate Verification:** for electronic signatures

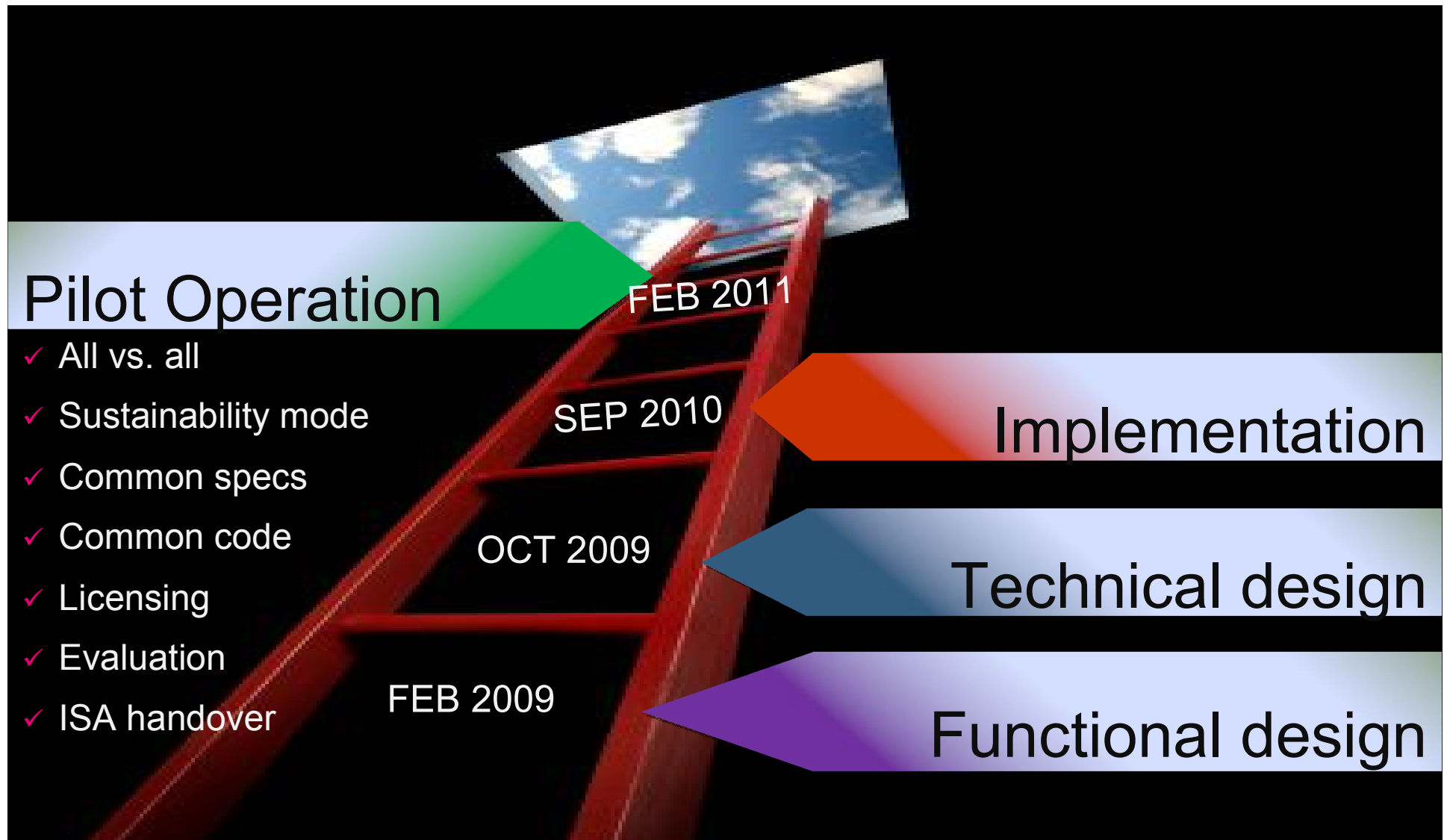
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Architecture and Models

- One Interoperability Framework, Two Basic Models
 - **Middleware (MW)**
 - **Pan-European Proxy Services (PEPS)**
 - ... and its combination: MW→PEPS, PEPS→MW
- The common specifications have been designed so that major components operate on the same protocols, irrespective of the model or its combinations.



STORK Overview



STORK Pilots



Pilot 1 – Cross border authentication



Pilot 2 – safer chat



Pilot 3 – eID Student Mobility



Pilot 4 – eID electronic delivery



Pilot 5 – EU Citizen Change of Address



Pilot 6 – ECAS integration



STORK

Cross-border authentication for electronic services



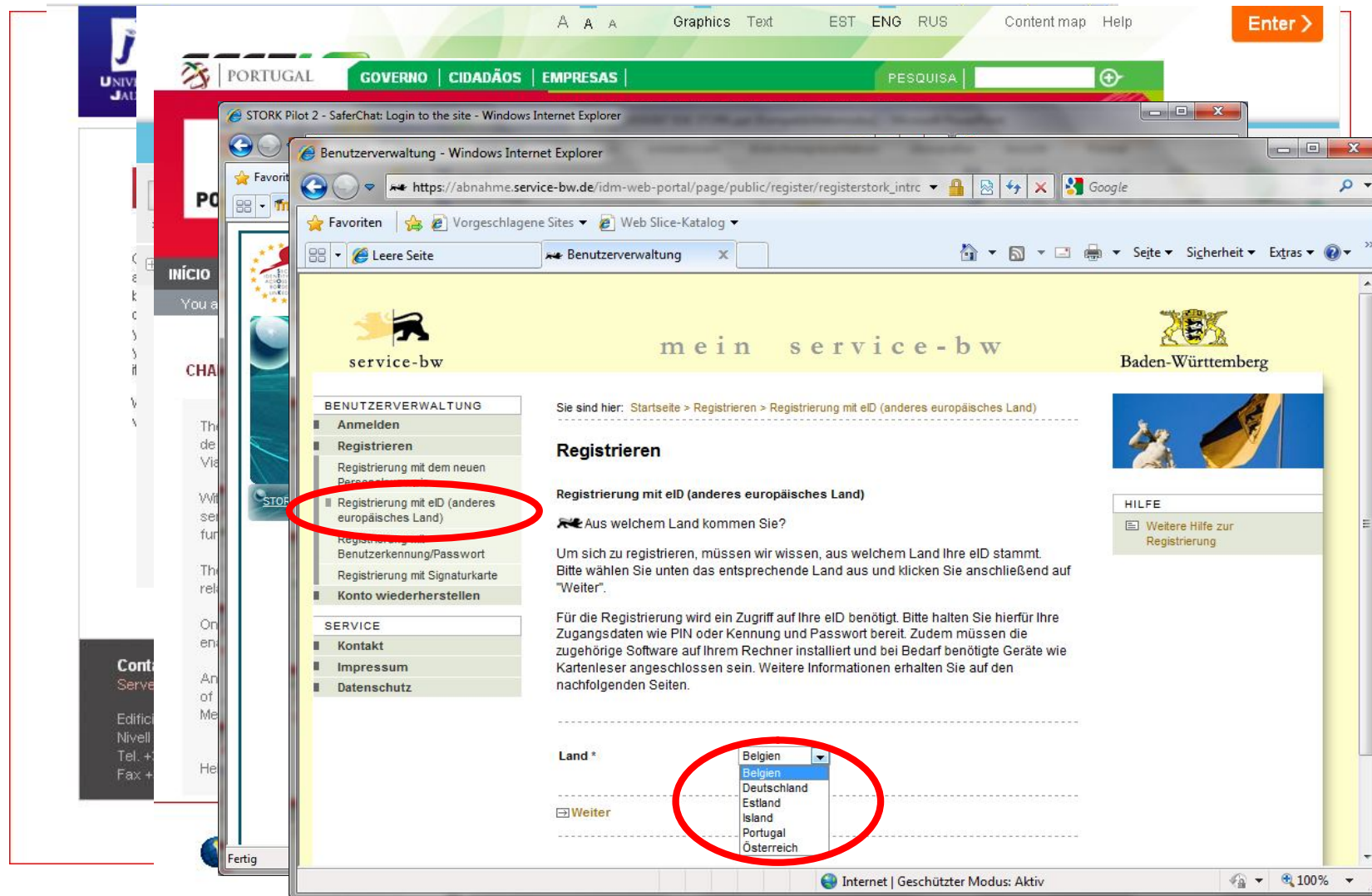
- enables citizens to access services in a secure way, by using their own electronic identity issued by their own country
- the user is in control of her data, a high level of trust is generated and a more efficient service is provided
- the pilot demonstrates that cross-border electronic services can operate in a number of European Countries

European Countries involved in this service:

Austria, Belgium, Estonia, Germany, Iceland, Portugal, Finland, Lithuania, France, (Greece).



STORK Pilots are alive



STORK

Interoperability matrix

		Credentials from														
		AT	BE	DE	EE	ES	FI	FR	GR	IS	IT	LT	LU	PT	SE	SI
Pilot#	Website															
1	http://www.myhelp.gv.at/															
2	https://www.stork-kids.at/moodle19/login/index.php															
3	https://online.tugraz.at															
4	www.meinbrief.at															
1	www.limosa.be															
1	abnahme.service-bw.de															
1	https://www.eesti.ee															
3	www.sais.ee															
4	https://digidoc.sk.ee/															
5	https://www.eesti.ee															
3	www.uji.es															
5	cambiodomicilio.060.gob.es/cambioDomicilio															
2	http://saferchat.eid.is/															
3	www.polito.it															
1	https://www.portaldocidadao.pt/Portal/AltMorada															
3	www.ist.pt															
5	https://www.portaldocidadao.pt/Portal/AltMorada															
5	http://www.skatteverket.se/coa															
4	https://mpstork.posta.si/epprasp/															
5	http://ecrp.gov.si															
5	https://coa.suomi.fi															

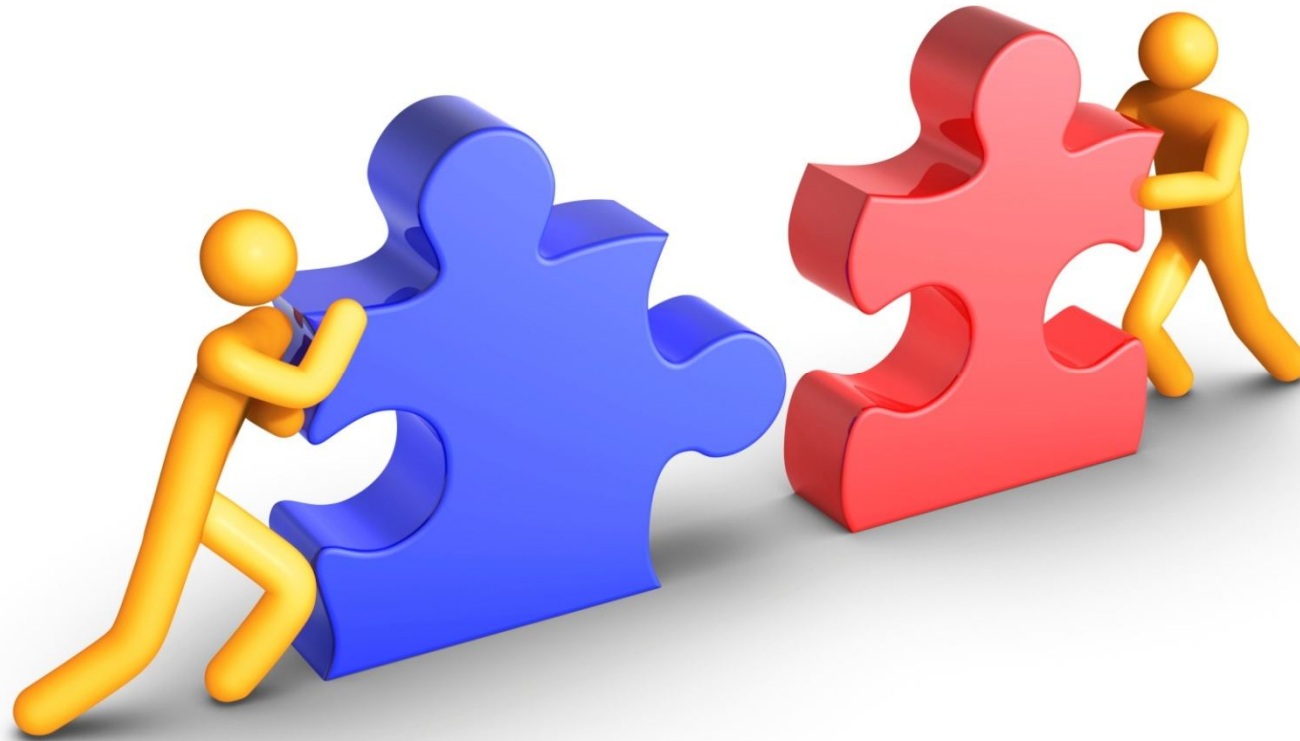


STORK

Current Status and Highlights

- High visibility at the Commission (N. Kroes, DAA, ...) and in the Member States, Prio-Topic for Polish presidency
- Procedural and legal constraints plus mixture of laboratory -, pilot -, and production infrastructure
- V-IDP roll-out in cooperation with AT
- Successful Go Live in 15 MS
- ECAS pilot and continuation through ISA program (DIGIT)





THANK YOU FOR YOUR
ATTENTION

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