Is there a sunshine in the CLOUD?

Digital Austria = best practice in eEurope

Christian Rupp, Spokesperson Federal Platform Digital Austria
Austrian Federal Chancellery

The value from a Government Cloud is a foundation for national growth!

Unleashing the Potential of Cloude Computing in Europe
- Analysing based on several studies
- Defines three key actions

EC estimates that actions could by 2020 mean
- 45 € billion direct spend on Cloud Computing
- 957 € billion cumulative impact on GDP
- 3,8 million jobs

October 2013 Council Conclusion (EUCO 169/13)

1) COM(2012) 529 final
2) e.g. IDC-Study „SMART 2011/0045"

EUROPEAN COMMISSION

Brussels, 27.9.2012
COM(2012) 529 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

Unleashing the Potential of Cloud Computing in Europe

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{SWD(2...

and reliable cloud services. The European Commission and the Member States, with the support of the "European Cloud Partnership", should continue to make every effort to put Europe at the forefront of cloud adoption. The European Council calls for the establishment of a strong network of national digital coordinators which could play a strategic role in Cloud.
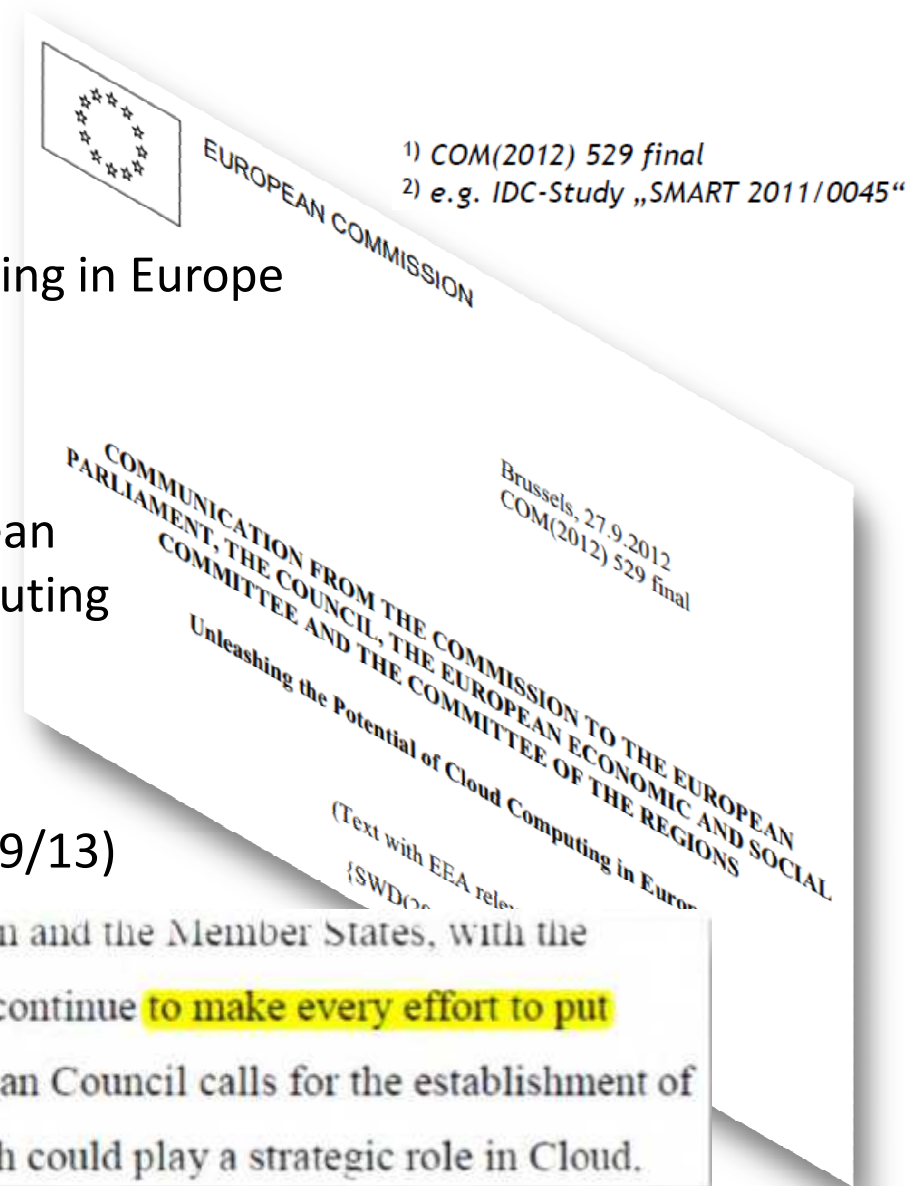
Fragmentation of the digital single market
- Differing national legal frameworks
- Uncertainties over applicable law and data location
- Trust and security, data protection, consumer protection, criminal law, …

Problems with contracts
- Worries over data access and portability
- Liability for service failures such loss of data
- Ownership of data
→ Safe & Fair Contract Terms and Conditions
→ Model contract terms, SLAs, code of conduct

Jungle of standards
→ Cloud Standards Coordination, map (ETSI)
→ Security Certification (ENISA)

Groups of action
→ Flexible common framework of best practices
→ Systematic consensus building targeting all stakeholders
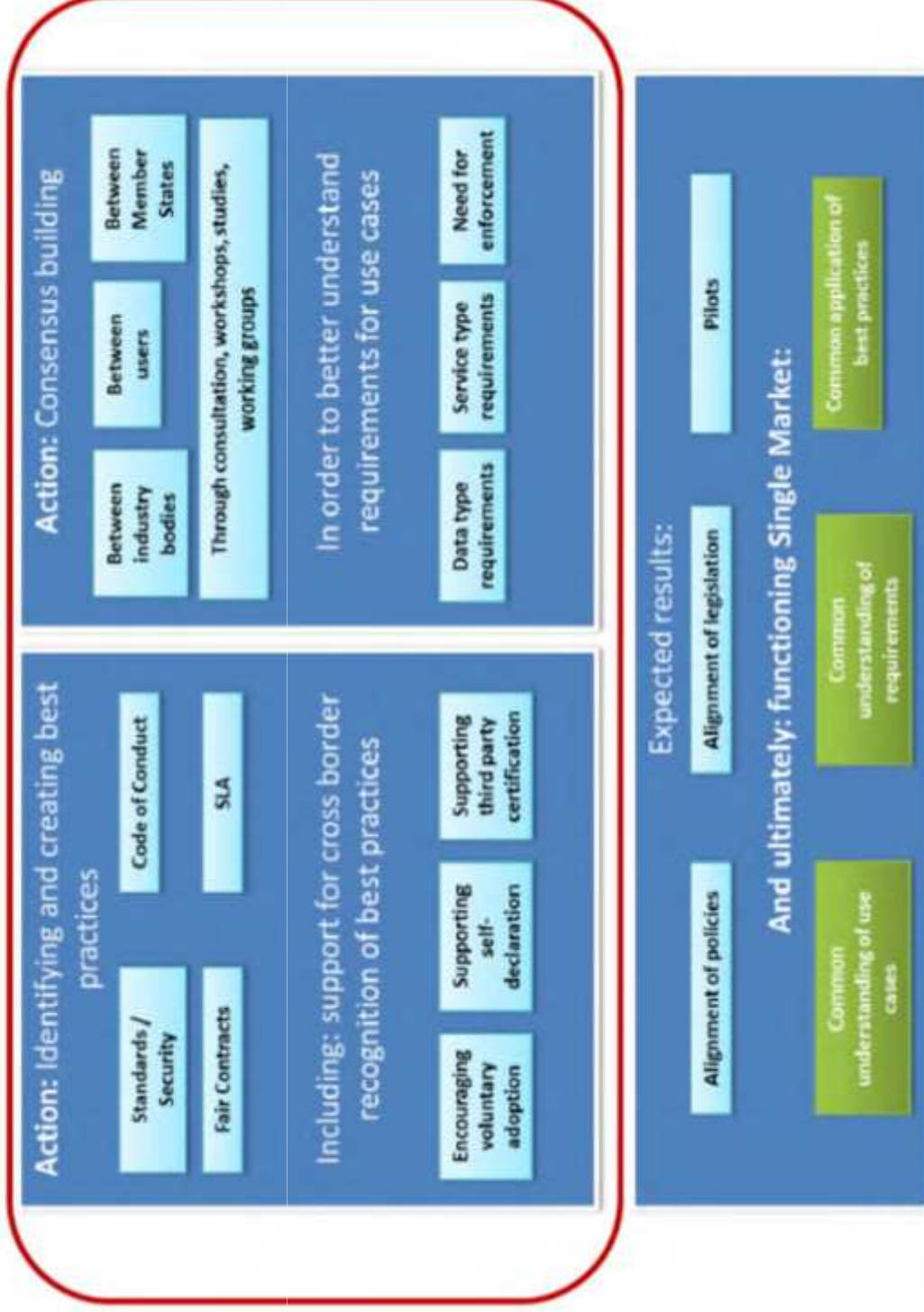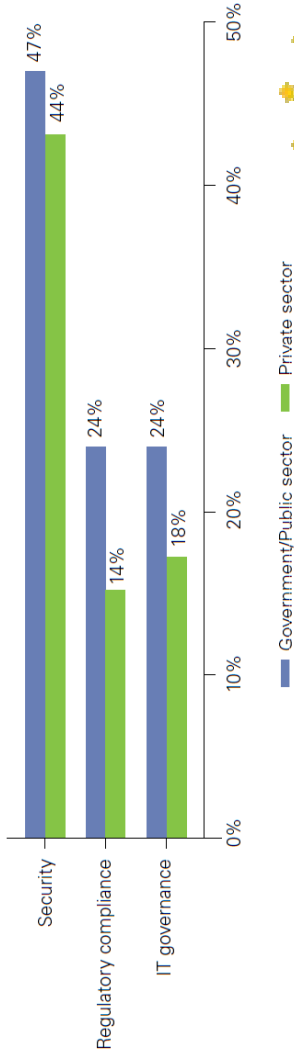
Establishing a Trusted Cloud Europe

A policy vision document by the Steering Board of the European Cloud Partnership

DIGITAL : AUSTRIA

itapa

CloudforEurope

Trusted Cloud Europe framework

Action: Identifying and creating best practices

Standards / Security	Code of Conduct
Fair Contracts	SLA

Including: support for cross border recognition of best practices

| Encouraging voluntary adoption | Supporting self-declaration | Supporting third party certification |

Action: Consensus building

Between industry bodies	Between users	Between Member States
	Through consultation, workshops, studies, working groups	

In order to better understand requirements for use cases

| Data type requirements | Service type requirements | Need for enforcement |

Expected results:

| Alignment of policies | Alignment of legislation | Pilots |

And ultimately: functioning Single Market:

| Common understanding of use cases | Common understanding of requirements | Common application of best practices |

Trusted Cloud Europe Questionnaire

- Harmonise Data Protection Rules
- Provide Clearer Rules to Resolve Contractual or Service Disputes
- Move from Formal to Functional Requirements as regards Data Location
- Allow non-EU Providers
- Allow Providers Adhering to Trusted Cloud Europe framework
- Improve Legal Frameworks
- Encourage Information Security Controls balanced with Consumer & Provider Needs
- Brand 'Trusted Cloud Europe'
- Support Standards & Certification without inhibiting Innovation
- Encourage Cloud-Active Procurement Policies

AGREE ■ NO OPINION ■ DISAGREE

Figure 13: Top challenges of adopting a cloud environment

What do you believe are the top challenges or concerns your organization faces in adopting a cloud environment?

Security — 47% / 44%
Regulatory compliance — 24% / 14%
IT governance — 24% / 18%

Government/Public sector — Private sector

Source: KPMG International 2012, Government Cloud Survey
KPMG International 2011, Clarity in the Cloud
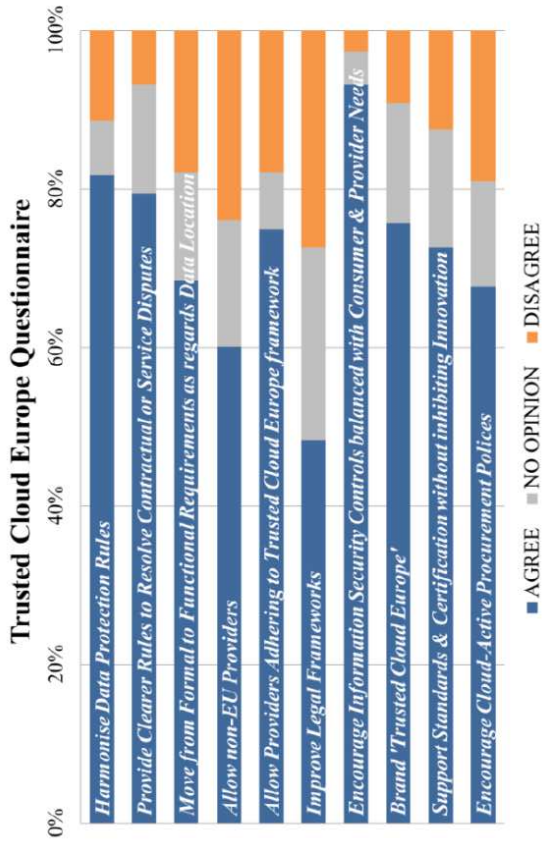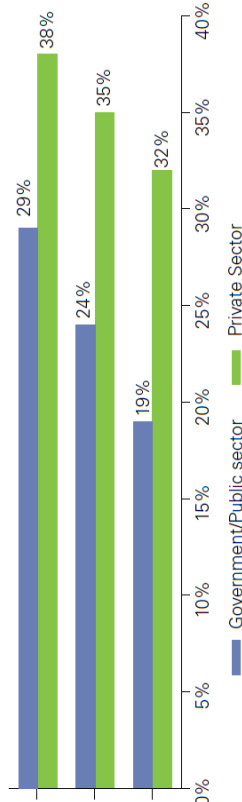
CloudforEurope

Figure 2: Evidence of a shift to cloud

Which of the following activities has your organization undertaken as part of its move toward adopting/implementing a cloud environment?

Developing a strategy — 29% / 38%
g of a proof of concept — 24% / 35%
Partial Implementation — 19% / 32%

Government/Public sector — Private Sector

Source: KPMG International 2012, Government Cloud Survey
KPMG International 2011, Clarity in the Cloud

Figure 6: Need for cost reductions

Are cost reductions/savings necessary for your organization to move to a cloud environment?

Yes — 73% / 75%
No — 27% / 25%

Government/Public sector — Private sector

Source: KPMG International 2012, Government Cloud Survey
KPMG International 2011, Clarity in the Cloud

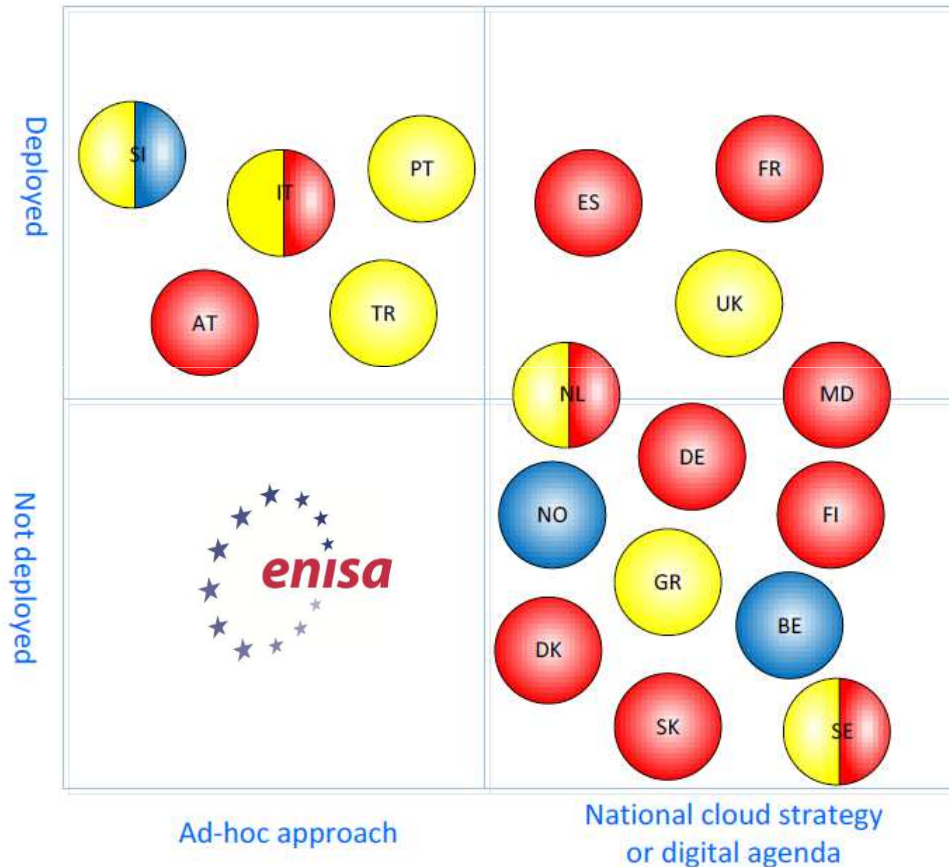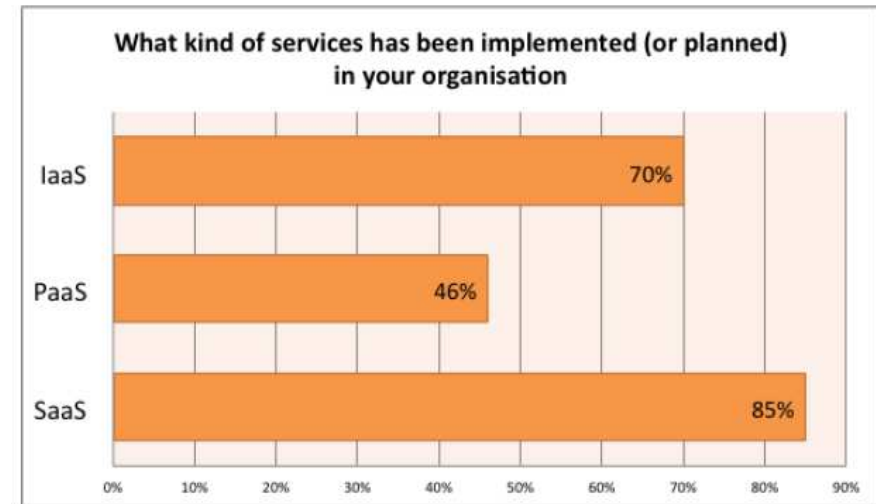ENISA Good Practice Guide for securelydeploying Governmental clouds (2013)

What kind of services has been implemented (or planned) in your organisation

IaaS — 70%

PaaS — 46%

SaaS — 85%

The preferred **deployment models** (Public Cloud, Private Cloud or Community Cloud) implemented or planned to be implemented depicted in Figure 1.
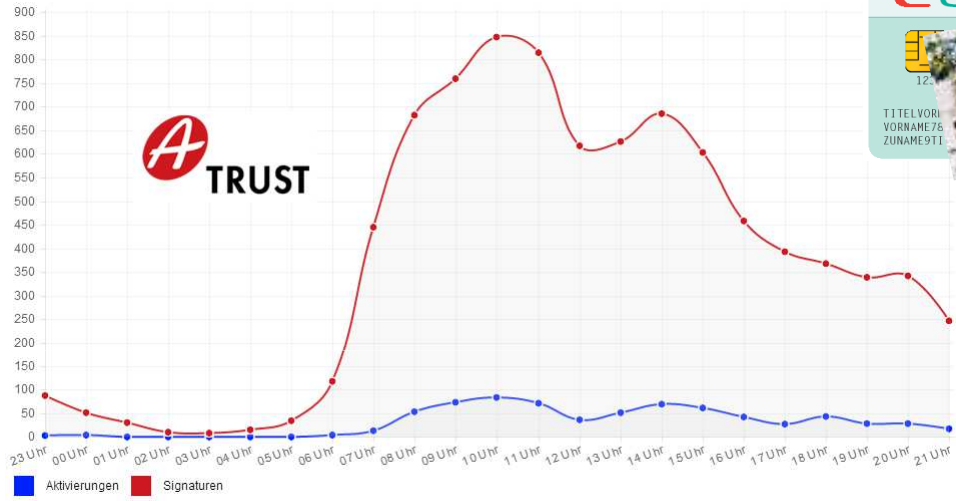
Deployed

SI

IT

PT

ES

FR

AT

TR

UK

Not deployed

enisa

NL

MD

DE

NO

FI

GR

BE

DK

SK

SE

Ad-hoc approach

National cloud strategy or digital agenda

Figure 5 Visualization of the deployment models of gov Clouds

In the image above we depict the categorization of the EU governmental Clouds according to the information described above: red circles refer to private Cloud services, yellow to public and blue to community Clouds. In some countries, two implementation types could exist.

WINNER
Euro Cloud
AWARD 2013
EUROPEAN AWARD
EuroCloud

MINISTERIUM FÜR EIN LEBENSWERTES ÖSTERREICH

EDM Portal
Version 5.6.34

eID and Mobile Devices

eIdentity – it's me in Austria and Europe

- **mobile phone signature (since 2009)**
- **smart cards (since 2003)**

- **100s of online procedures**
- business registration, criminal record certificate
- tax online, social security, signing documents (e-bill)
- Electronic health record (ELGA)
- eDelivers (officially / private), eSafe
- ....

www.handy-signatur.at
www.buergerkarte.at

Actually 500.000 user
Around 10.000 signatures and
around 1.000 new users per day

easy
secure
free

1. Schritt
- Die Signaturanfrage wird gestartet
- Geben Sie Ihre Handy-nummer und Ihr Signatur-Passwort ein

Demo-Login
Mobiltelefonnummer:
+43664123456
Signatur Passwort:
●●●●●
Identifizieren   Abbruch

2. Schritt
- Per SMS wird Ihnen ein TAN-Code (Transaktions-nummer) auf Ihr Handy geschickt

3. Schritt
- Geben Sie den TAN-Code auf der Authentisierungs-seite ein

Demo-Login
Vergleichswert: xhrzäk
Signaturdaten
TAN:
Signieren

eIDAS: HOW IT WILL BENEFIT YOUR BUSINESS ?

A SWEDISH COMPANY WANTS TO PARTICIPATE IN A PUBLIC CALL FOR TENDER IN CROATIA

The Regulation (EU) N°910/2014 on electronic identification and trust services for electronic transactions in the internal market (eIDAS Regulation)

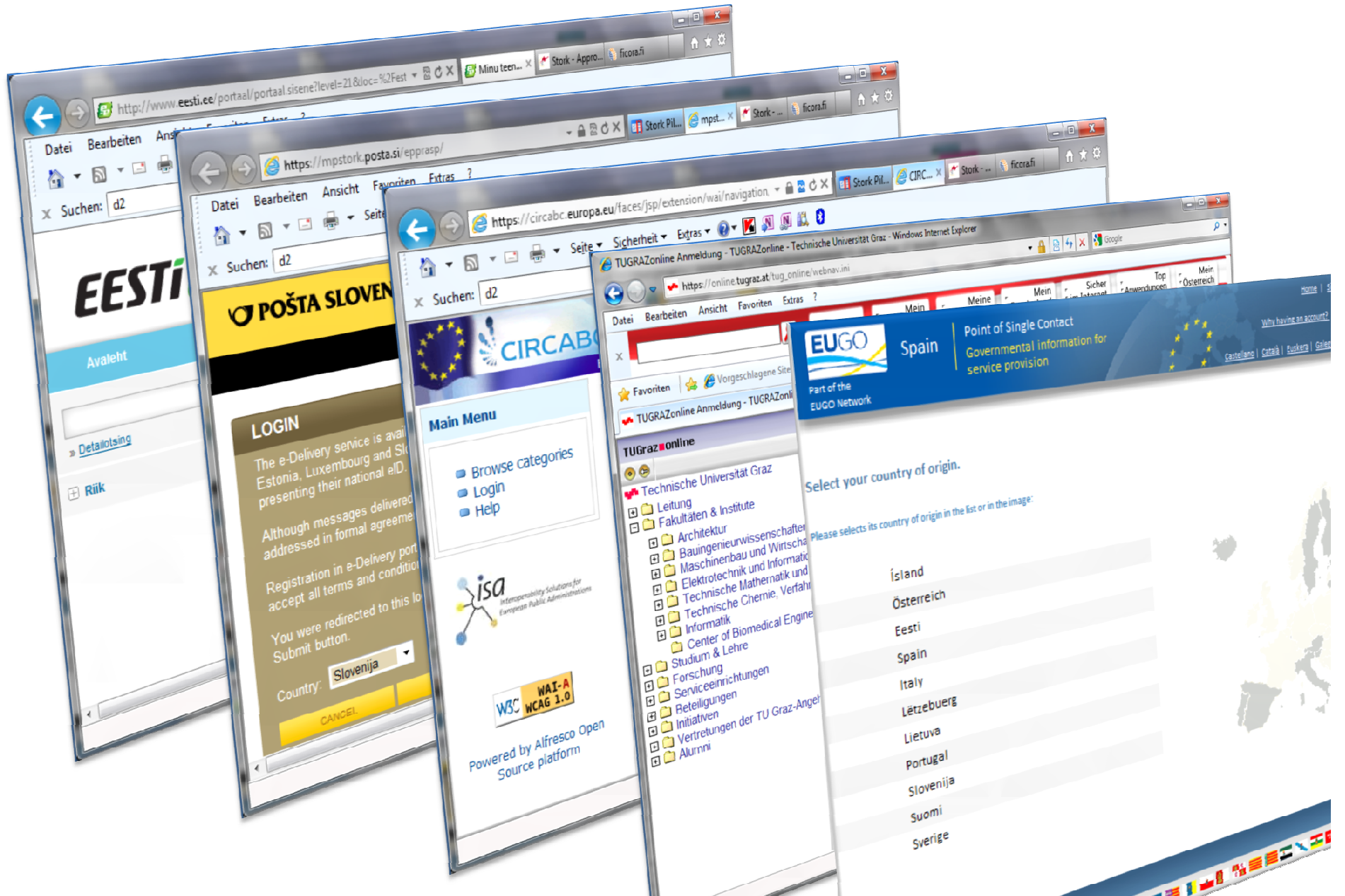http://ec.europa.eu/digital-agenda/en/trust-services-and-eid

Member States cooperate in key policy areas

www.eid-stork2.eu

- eID interoperability

www.epsos.eu

- eHealth

www.e-codex.eu

- eJustice

www.eu-spocs.eu

- Service Directive

www.peppol.eu

- eProcurement

Interoperability across Europe…

DIGITAL : AUSTRIA

eGovernment :

it's a journey not a destination!

Christian.Rupp@bka.gv.at
Austrian Federal Chancellery

www.digital.austria.gv.at

itapa