



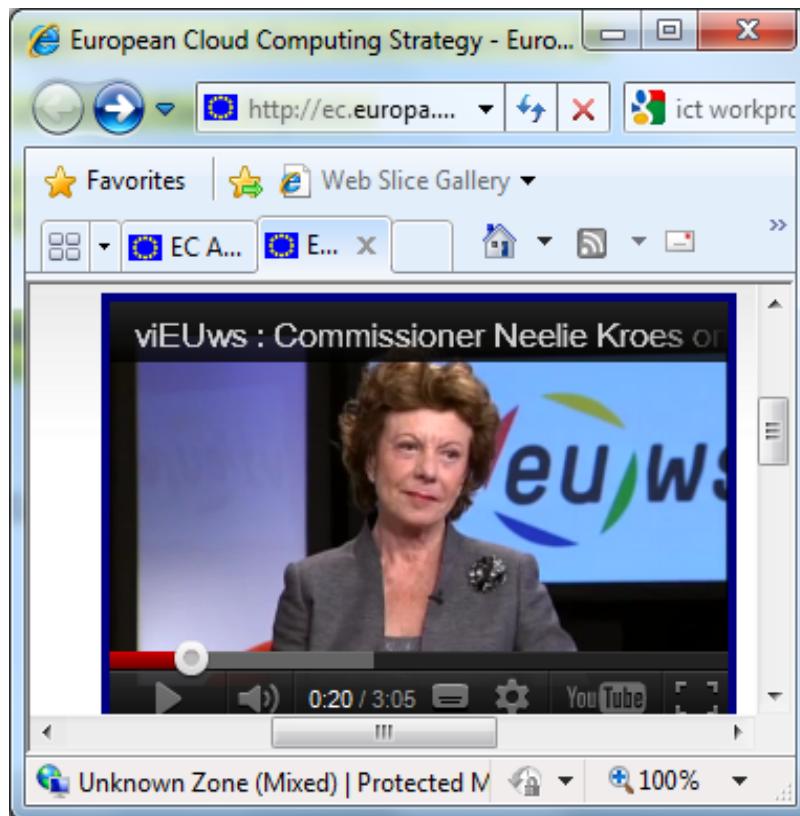
# European Cloud Strategy and Partnership – Demand and Supply

**Dr. Dirk van Rooy**  
European Commission  
DG Connect E2  
Software & Services, Cloud  
Computing

Future Business Clouds, Bundesministerium für  
Wirtschaft, Berlin – 6 June 2013

# European Cloud Computing Strategy

## 27 September 2012



### Communication:

**Unleashing the  
Potential of  
Cloud  
Computing in  
Europe**

## The Cloud computing strategy

The European Commission's strategy 'Unleashing the potential of cloud computing in Europe'

Adopted on 27 September 2012, it is designed to speed up and increase the use of cloud computing across the economy

## Cloud strategy's key actions

Cutting through the jungle of technical standards

Development of model 'safe and fair' contract terms and conditions

A European Cloud Partnership to drive innovation and growth from the public sector.

## DG CONNECT working groups for the implementation of the strategy

ETSI: Cloud Standards Coordination

Launched on 19/12/2012

The Cloud Select Industry Group on Certification Schemes

Launched on 21/02/2013

The Cloud Select Industry Group on Code of Conduct

Launched on 10/04/2013

The Cloud Select Industry Group on Service Level Agreements

Launched on 21/02/2013

Research: The Cloud Expert Group

Now completed

Steering Board

Launched on 19/11/2012

The European Cloud Partnership Pre-commercial Procurement Consortium

To be launched on Q2/3 2013



## Standards map: accomplished work

### Task Group 1: Stakeholders roles & responsibilities

- ▶ To identify & describe stakeholders and responsibilities

### Task Group 2: Use cases selection & prioritization

- ▶ Select use cases (UCs) and related requirements, and prioritize them.
- ▶ Ensure UCs address all stakeholders and their roles and responsibilities



## Standards map: in progress

### **Task Group 1: Stakeholders roles & responsibilities**

- ▶ describe key responsibilities per role/subrole, including related to data protection regulation (data controller, etc)

### **Task Group 3: Specs identification**

- ▶ parallel sub-groups:
  - ▶ SLAs,
  - ▶ Security & Privacy,
  - ▶ Interoperability, Data Portability & Reversibility.

A first list of specifications is expected by July 2013.

### **More information:**

<http://csc.etsi.org/Application/documentapp/documentlist/>



## Standards map: selected use cases

- **SLAs:** end user to cloud; enterprise to cloud; guaranteeing performance against an abrupt increase of the load
- **Security & Privacy:** integration of on-premise resources with public cloud resources, document migration, service continuity, contract billing
- **Interoperability:** broker coordinated hybrid cloud
- **Data portability & reversibility:** changing cloud vendors



## **Certification: main goals**

### **Certification improves transparency and trust**

- **Assist in the development of voluntary EU-wide certification schemes in the area of cloud computing**
- **Establish a list of certification schemes in the area of cloud computing by 2014**



## Certification: progress

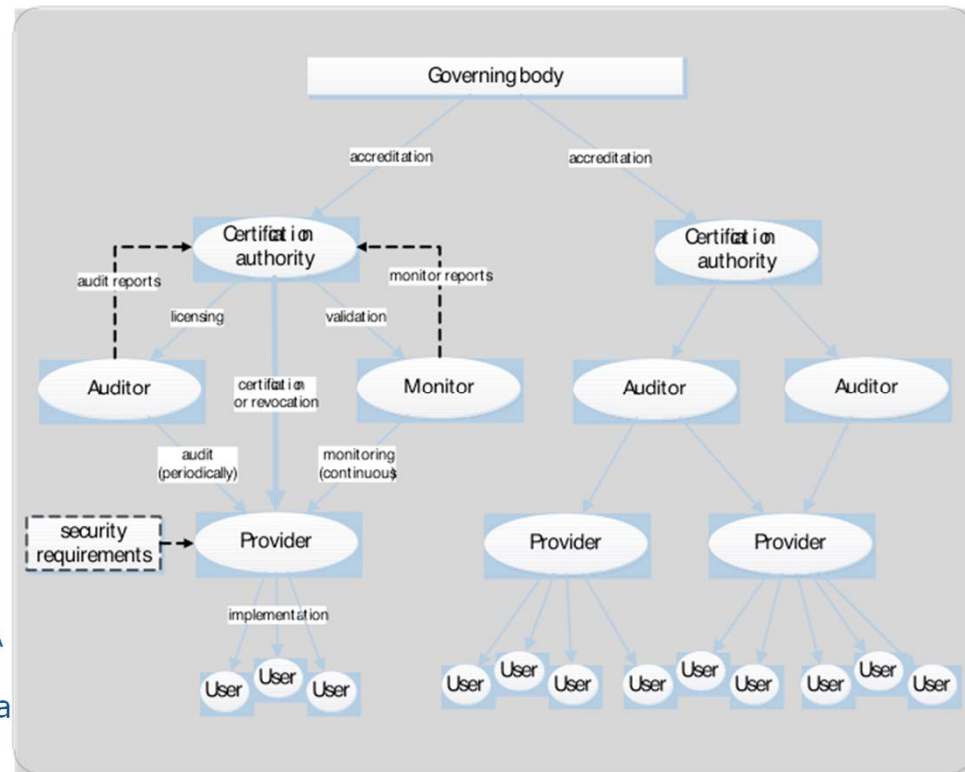
- expert group questionnaire on principles and features of cloud certification (draft discussed April 18, to be presented at ECP Steering Board meeting in July)
- mapping of security schemes by European Network and Information Security Agency (ENISA) (first half 2013)
- EC-study on existing schemes and implications of cloud certification (regulatory, financial and organizational) - to be completed after summer 2013)



## Certification: draft list of schemes

- CSA (STAR),
- ISO 27001,
- Eurocloud,
- AICPA SOC,
- FISMA,
- PCI-DSS,
- Europrise,
- ITIL,
- Security Rating,

Note: initial responses such as Fedramp and HIPAA were removed from the list because they were not found to qualify as 'real' certification schemes with a certification authority, auditor or monitor, etc.



Source: ENISA, "schemes for auditing security measures" (draft), 2013



## Service Level Agreements

- Service Level Agreements for transparency and reducing transaction costs and QoS
- The Commission will develop with stakeholders model contract terms for cloud computing service level agreements between providers and professional users.



## Service Level Agreements cont.

- expert group initial work: checklist, flowchart and attributes for service level agreements (in progress)
- Issues that should be included in SLAs:
  - problem resolution,
  - reporting,
  - security provisions
- Issues that are under the consideration:  
Data Location, Auditability, Penalties, Certification and Compliance, Data privacy conditions, Interoperability, Limitations



## **Service Level Agreements: progress**

- Mapping of service level agreements schemes by European Network and Information Security Agency (ENISA) (first half 2013)
- EC-study on model terms for cloud computing service level agreements for model contracts between providers and professional users.



## Code of conduct: main goals

- The Commission will work with industry to agree on a code of conduct for cloud computing providers.
- The codes of conduct will support uniform application of data protection rules and may be submitted to the Article 29 Working Party.
- initial discussion paper for the proposed EC Data Protection Code of Conduct in preparation



## **Key Action 3**

### **European Cloud Partnership: What?**

- ▶ **Identify common requirements for public sector cloud procurement and use**
- ▶ **Modulating and matching demand and supply for public sector**
- ▶ **Preparing, stimulating and shaping the market to benefit public sector, private use, SMEs, industry, etc**
- ▶ **Towards common & joint public procurement of cloud services**





## **Key Action 3**

### **European Cloud Partnership: how?**

**Steering Board: IT and Telco industry,  
Member States, associated countries, SME**

**Implementation action: pre-commercial  
procurement action for public sector with  
industry input**





## Cloud implementation action

ICT WP2013, Obj. ICT-2013.11.3

**High quality cloud computing environment for public sector needs, validated through a joint pre-commercial procurement (PCP)**

- **Eligible partners: public sector from EU Member States and associated countries (min. 3)**
- **Funding scheme: one CP-CSA for PCP**
  - one instrument; one grant
  - two activities: CSA 100%; CP 75% funding
- **Indic. Budget: EUR 10 million, max 30 % for CSA**

**Pre-commercial procurement.**

**Call for proposals => contract procedure in progress.**





## **Cloud implementation action** in progress – currently confidential

- **Pre-commercial procurement by public sector organisations across Europe.**
  - **Umbrella initiative adding to and building on national initiatives**
  - **A vehicle for getting a wide range of interested countries on-board through consultation, dissemination, awareness raising and training.**
- launch expected around summer**



# Steering Board of the ECP

19 November 2012

[http://europa.eu/rapid/press-release\\_IP-12-1225\\_en.htm](http://europa.eu/rapid/press-release_IP-12-1225_en.htm)



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## **EU Cloud strategy 2.0 ?** possible themes

**Com 529(2012): "Commission will report on the progress of the full set of actions and present further policy and legislative proposals initiatives as needed..."**

- 1. Report on Progress**
- 2. A cloud first policy for the EU?**
- 3. Aim at the global market for cloud?**
- 4. Incentives for cloud investment in Europe?**
- 5. Broadband capacity**