DSM standardisation actions

Cloud Computing Workshop, Brussels, 28 January 2016

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Agenda

-*ICT Rolling plan*

-*Digital Single Market*

-*Priority ICT Standards Plan*

-*MSP Advice*

-*Public Consultation*

What's New in the Draft Rolling Plan 2016

- 1 new topic area: Robotics

- Consolidated Accessibility and Web Accessibility into single topic area

- Many updates, lots of new information

- Many new proposals for actions

- Dashboard: Monitoring and Progress recording

Benefits of the Dashboard in Promoting the Implementation of the Roling Plan

Snapshot example from the Sheet on Key Enablers & Security:

Policy Area	Chapter Nr	Action Nr	Changes since last version	Short Description	Planned or Started	Completed	Status (r-a-g-w)	Comment
Cloud computing	3.5.1	1		The necessary actions will be determined after the coordination with stakeholders.	y	n	g	CSC phase 2 ongoing in ETSI. [2015-11-16] Results of CSC phase 2 are available on the ETSI web site.
Public Sector Information, (Open) data and Big Data	3.5.2	1		Invitation to the CEN to support and assist DCAT-AP standardisation process.	n	n	w	
		2		promote standardisation in/via the Open Data infrastructure	y	n	g	[2015-09-14] The DCAT-AP is the specification that will be used by the EU Open Data Portal and the Pan-European Open Data Portal, which is part of the Connecting Europe Facility infrastructure
		3		support of standardisation activities at different levels (see examples in section C) as part of H2020 R&D&I	y	n	g	ISO/IEC JTC 1/WG 9 Big Data (incl. reference architecture); New working group that is currently discussed in W3C with the participation of the JRC,

High visibility and awareness of the actions

Reviewing of actions, resolving unclarity, triggering activities required for addressing an action

Some statistics:

Total of 122 actions (one action was split into two since last meeting because it referred to different specs)

95 started, of them 26 completed or marked for completion, 26 not yet (meant to be) started.

Comparison to September 2015 (Total of 121 actions):
80 started, of them 27 completed; 36 not yet (meant to be) started.

Comparison to February 2015 (Total of 121 actions):
47 started, of them 5 completed; 75 not yet (meant to be) started

Outlook – Next Steps
(Horizon First Quarter 2016)

Promote Implementation

- Promote the uptake of actions and starting of activities in response to actions
- Proposal: F2F workshop in February focussing on implementation

Dashboard 2016

- Transpose Dashboard 2015 into Dashboard 2016
- This includes a close review of all actions – including in terms of clarity, feasibility

Rolling Plan 2017

- Schedule review process
- Strengthen interlock with Commission services
- Early planning to avoid schedule issues

Cloud in the Rolling plan

D. Proposed new standardisation actions
D.1 Standards developments

ACTION 1: Publish the results of the Cloud Select Interest Groups and promote them as a key contribution from Europe to the global Cloud community and bring them in into the proper processes, e.g. by submitting them to standardisation.

D.2 Other activities around standardisation

ACTION 2: Facilitate an open stakeholder dialogue on open source and Cloud in relation to standardisation. Encourage Open Source communities in the area of Cloud to submit their APIs for standardisation.

ACTION 3: Facilitate a dialogue with end users' to understand and support their standardi-sation needs and priorities.

ACTION 4: Facilitate a dialogue with stakeholders on standards needs for cloud security, in particular, in the context of cloud certification.

Digital Single Market Strategy

- COM(2015) 192 final published on 6 May 2015
- *4.2. Boosting competitiveness through interoperability and standardisation*
  - **Update of the European Interoperability Framework**
  - **Priority ICT Standards Plan**
  - **EU catalogue**

Priority ICT Standards Plan

Action 15 of DSM: "adoption of the Priority ICT Standards Plan to identify and define key priorities for standardisation"

Objective: to reduce fragmentation of the DSM

- **by increasing interoperability of products, systems and services**

- **through timely standardisation activities in technologies and domains deemed critical for the completion of the DSM**

- **and for increasing the competitiveness of the European industry**

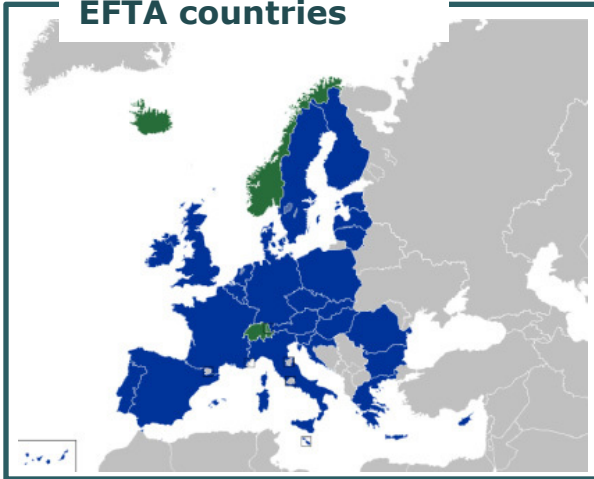## III. Maximising the growth potential of the Digital Economy

Adoption of a **Priority ICT Standards Plan** and extending the **European Interoperability Framework** for public services

MSP – Advisor on ICT standardisation

Member States and EFTA countries
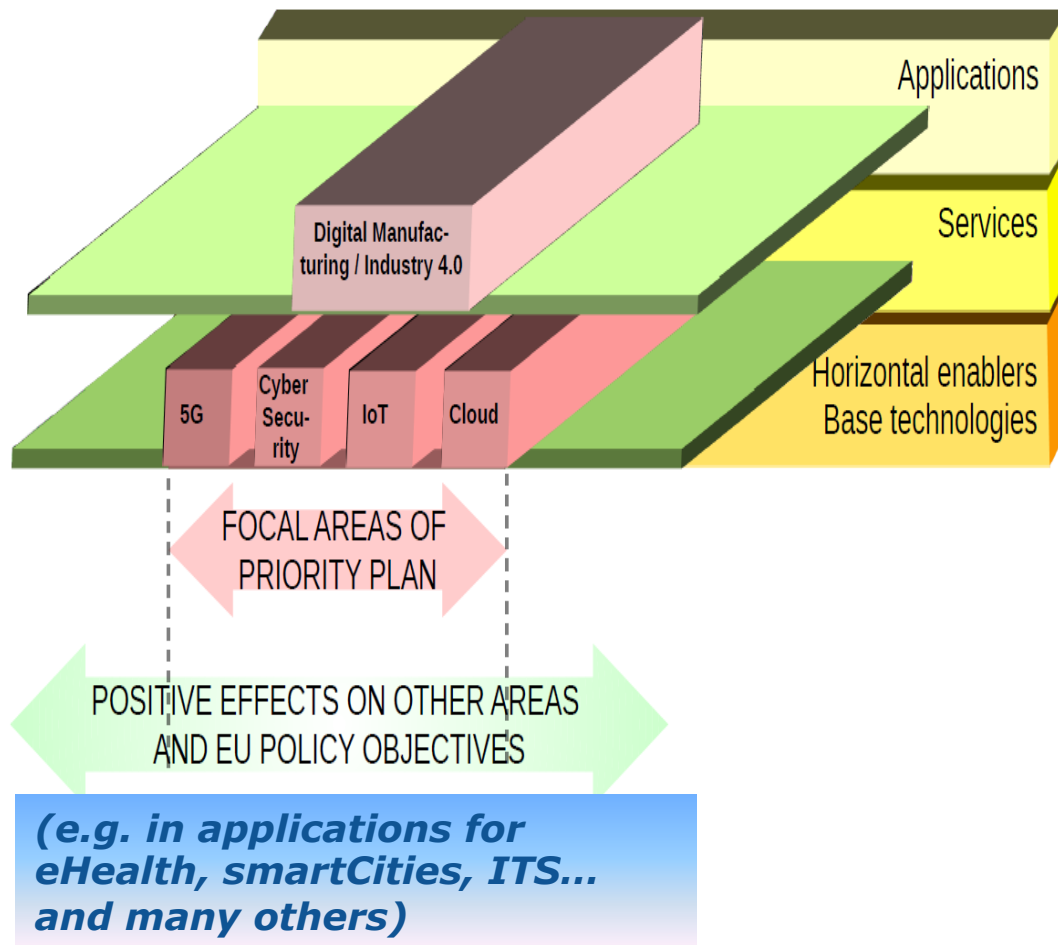
ICT Standardisation Bodies

Industry, SMEs and society representatives

MSP advice on ICT standards priorities

- *7 Call conferences and one F2F meeting*

- *Agreement on selection criteria and basic principles*

- *Consensus on 5 priority domains (out of the 12 preselected):*

  - 5G
  - Cloud
  - Cybersecurity
  - Digital Manufacturing
  - IoT

The process: Structuring

Applications

Services

Digital Manufac-turing / Industry 4.0

Horizontal enablers
Base technologies

5G

Cyber Secu-rity

IoT

Cloud

FOCAL AREAS OF PRIORITY PLAN

POSITIVE EFFECTS ON OTHER AREAS AND EU POLICY OBJECTIVES

(e.g. in applications for eHealth, smartCities, ITS... and many others)

Standardisation Actions may have cross-domain implications

Actions may not be related to production of the standards on basic technologies, but vertical levels

Actions can be: process standards, interfaces/ APIs, or reference architectures, roadmaps and use cases; promotion of pilot projects, plug-tests.
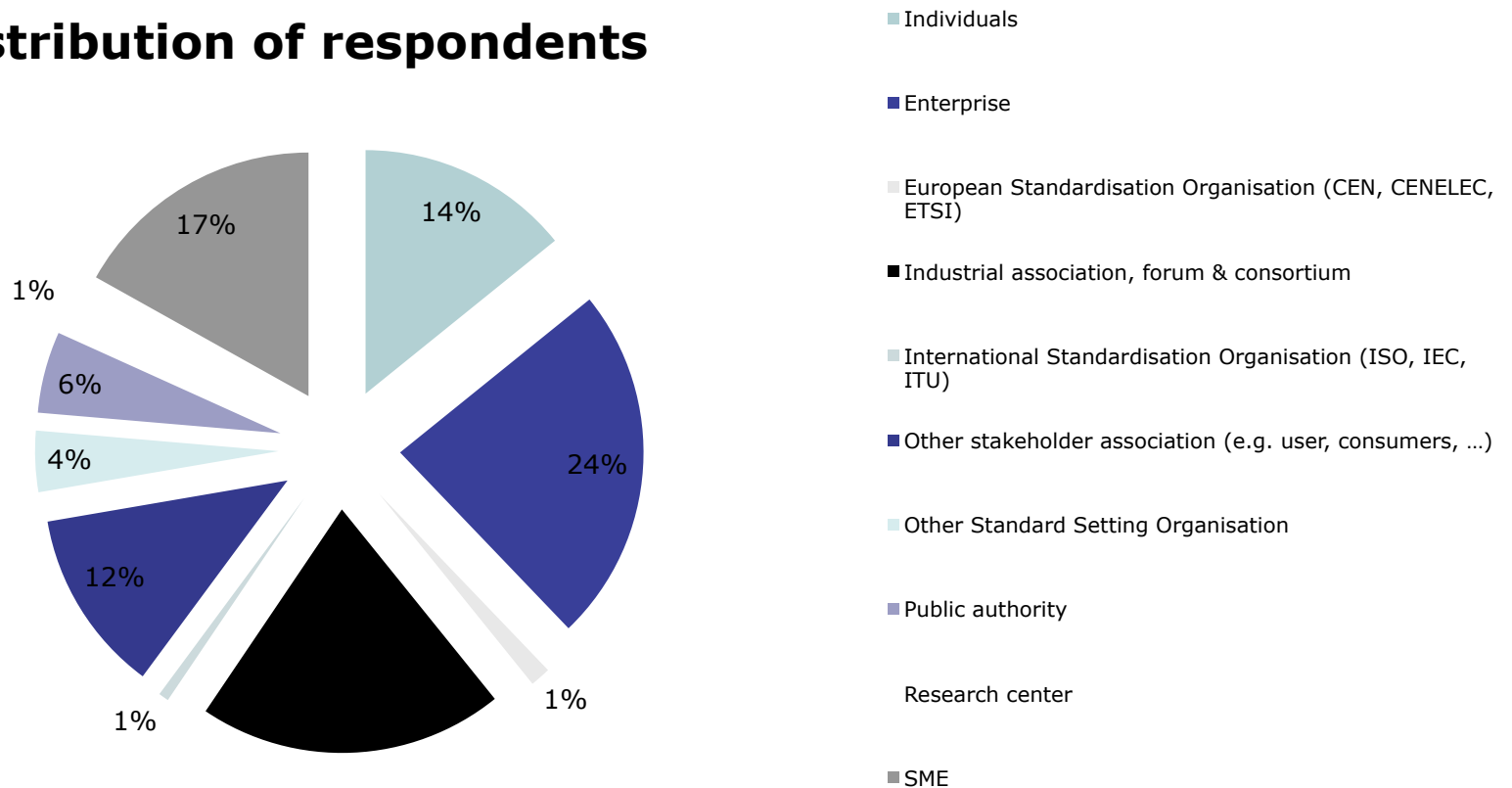
Priority Domain Cloud

		Action	Time frame
2.1		**Promote standards for portability for cloud service customers**	
		2.1a Identification and encourage use of standards to ensure application portability	2016
		2.1b Identification and encourage use of standards for moving data between service providers	2017
2.2		**Encourage collaboration between SDOs and cloud open source communities**	
		2.2a Role of open source for successful market adoption of cloud technologies and service	2016-2018
		2.2b Incorporation of interfaces developed by open source communities into standardisation deliverables	2016-2018
2.3		**Promote trusted cloud on a global basis**	
		2.3a Promote the EU's priorities and requirements	2016-2018
		2.3b Promote standards for personal data protection in cloud	2016-2018
		2.3c Promote standards to ensure stability of cloud APIs	2016-2018

Public consultation (24/09 to 04/01)

- *156 replies via EU Survey and 12 additional replies*

Distribution of respondents

Legend:
- Individuals
- Enterprise
- European Standardisation Organisation (CEN, CENELEC, ETSI)
- Industrial association, forum & consortium
- International Standardisation Organisation (ISO, IEC, ITU)
- Other stakeholder association (e.g. user, consumers, …)
- Other Standard Setting Organisation
- Public authority
- Research center
- SME

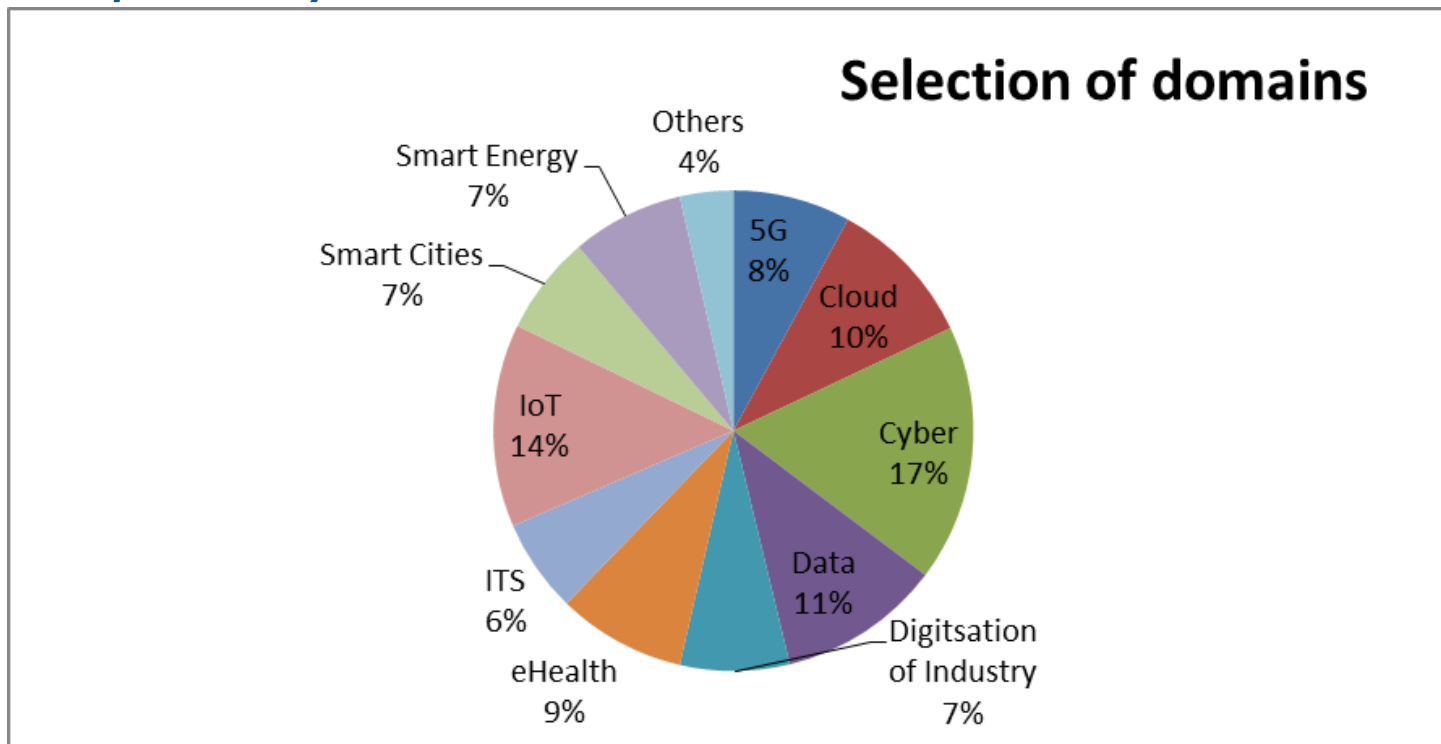Pie chart values: 14%, 24%, 1%, 1%, 12%, 4%, 6%, 1%, 17%

Highlights from public consultation

-The consultation responses highlight the importance of promoting timely standard-setting processes that reflect European interests as much as possible.

-Stakeholders also agree on the importance of improving the European standardisation ecosystem

-The majority of respondents further agreed on the importance of setting priorities to pursue European global leadership and on the need of reinforcing European presence in global standardisation.

Public consultation (24/09 to 04/01)

- *The respondents selected the following domains as priority domains:*

Selection of domains

- 5G 8%
- Cloud 10%
- Cyber 17%
- Digitsation of Industry 7%
- Data 11%
- eHealth 9%
- ITS 6%
- IoT 14%
- Smart Cities 7%
- Smart Energy 7%
- Others 4%

- *Next step: adoption of COM in April 2016*

EU Catalogue: what are the issues?

- *ICT is a complex, technical area*
- *Public procurers know about policies or use cases to implement, not always about sometimes competing ICT standards*
- *Risk of vendor lock-in with proprietary solutions*
- *Lack of interoperability of ICT solutions*
- *Lack of coordination on ICT standards adoption*
- *National catalogues are developed independently*
- *Fragmented EU market*
- *Industry lacks visibility on which standards to adopt*

Fragmented DSM market

Lack of interoperability

Vendor lock in

What would be in the EU catalogue?

- *A (structured) list of*
  - **Use cases (meaningful for the procurer)**
  - **EU and International standards**
  - **Identified technical specifications and profiles**
- *In which domains?*
  - **Selection criteria:**
    - maturity
    - CEF deployments
    - political relevance
    - political endorsement
  - **Envisaged domains:**
    - eGov/Bus: eID, eSign, eDelivery, eInvoice, eProcurement
    - Smart appliances
    - Intelligent transport system
    - Cloud computing

EU Catalogue: next steps

- *Launch a study to*
  - **Analyse national catalogues**
  - **Define a global EU standards adoption process**
  - **Organise workshops and survey key stakeholders**
  - **Build a first prototype for the EU catalogue**
- *Assess the impact of the EU catalogue*
  - **What policy options?**
  - **What socio economic benefits?**
    - Lower costs for MS
    - Lower total cost of ownership of ICT solutions
    - Increased interoperability

Questions?