



Analyzing contributions to standardization made by projects so far: conclusions for mapping standardization with IST research in the near future & recommendations for FP7

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Prof. Tatiana Kovacicova, on behalf of ETSI



- **WP3 (Information analysis and project selection)** – two-phase process
  - Direct analysis of the information gathered from the projects
  - Indirect analysis - ‘reverse mapping’ of standards bodies and IST research projects
- Results of ‘reverse mapping’
- Problems envisaged so far ...
- Conclusions & recommendations for FP7

# Direct analysis of the information gathered from the projects

- **Objective** - to analyse feedback & select projects to define most effective cooperation with standardisation bodies
- Two types of questions analyzed
  - General issues (common for all Strategic Objectives)
  - Standardization issues addressing specific areas (specific for different Strategic Objectives)
- Project selection – based on two sets of criteria
  - Primary criteria (relevance, clear view of standardization, experience)
  - Secondary criteria (resources, project's timing, etc.)

# Indirect analysis – ‘reverse mapping’

- Based on recommendations from 1<sup>st</sup> project review
- **Objective** - to determine the extent to which the IST programme is funding research areas where standards bodies and industry consortia are active
- Analysis - based on reviewing publicly available project information
- For the standards bodies - a similar analysis of public information performed
- Results - indicate commonality between general issues addressed by standards bodies and projects

# Standards organizations reviewed

## Standards Developing Organizations

European Committee for Standardisation (CEN)

European Committee for Electrotechnical Standardisation (CENELEC)

European Telecommunications Standards Institute (ETSI)

## Fora and consortia

ATM Forum

European Broadcasting Union (EBU)

European Committee for Banking Standards (ECBS)

European Industry Association (EICTA)

Internet Society (ISOC-ECC)

Global Initiative for Wireless E-Commerce (Radicchio)

TeleManagement Forum (formerly the NMF)  
(OMG)

Digital Video Broadcasting (DVB) Project

World Wide Web Consortium (W3C)

The Open Group

ATM Forum

ERTICO

ECMA International

Liberty Alliance

OASIS

Object Management Group

RosettaNet

The Open Group

## Observers

European Association for the Coordination of Consumer Representation in  
Standardization (ANEC)

The European Office of Crafts, Trades and SMEs for Standardisation (Normapme)



# IST project reviews

- Analysis involved surveying 401 IST projects in FP6 IST Calls 1&2

W3C STANDARDS TOPICS PROJECT	Project Web Site	Non specific	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
PROJECT 1	<a href="http://www.website/">http://www.website/</a>						
PROJECT 2	<a href="http://www.website/">http://www.website/</a>						
PROJECT 3	<a href="http://www.website/">http://www.website/</a>						

# Results (1)

Standards organization	Number of main Standardization areas	Number of areas covered by projects in Calls 1 & 2	%
<b>CEN/ISSS</b>	<b>13</b>	<b>10</b>	<b>76,9</b>
<b>CENELEC</b>	<b>10</b>	<b>5</b>	<b>50,0</b>
<b>ETSI</b>	<b>21</b>	<b>14</b>	<b>66,7</b>
<b>ATM Forum</b>	<b>7</b>	<b>4</b>	<b>50,0</b>
<b>DVB</b>	<b>16</b>	<b>8</b>	<b>50,0</b>
<b>Ecma</b>	<b>9</b>	<b>2</b>	<b>22,2</b>
<b>ERTICO</b>	<b>1</b>	<b>1</b>	<b>100,0</b>
<b>OASIS</b>	<b>19</b>	<b>19</b>	<b>100,0</b>
<b>OMG</b>	<b>7</b>	<b>7</b>	<b>100,0</b>
<b>RosettaNET</b>	<b>7</b>	<b>7</b>	<b>100,0</b>
<b>W3C</b>	<b>9</b>	<b>9</b>	<b>100,0</b>

# Results (2)

- Larger and broadly focused organization, e.g. CEN/ISS, CENELEC and ETSI, seem to be well addressed by the activities deployed by projects
- The same is valid for W3C, especially for Call 2 projects in Embedded systems, Cross-media content, GRID-based systems and eInclusion
- Scope of the analysis limited to ICTSB members, but many projects in Calls 1 & 2 interface directly with organizations operating on a global level, e.g. ITU, IETF, IEEE, ISO-IEC, and OSGi

# Results (3)

- **CEN/ISSS** - almost all the areas covered
- **CENELEC** - 3 areas specifically covered:
  - Electrotechnical aspects of telecommunication equipment
  - equipment for people with special needs
  - Intelligent transport
- **3GPP** issues - well covered by projects in 2 Calls
  - Mobile and wireless systems beyond 3G
  - Applications and services for the mobile user and worker
- **ETSI** – specific areas covered
  - Access & terminals
  - Broadband access networks
  - Next Generation Networks
  - Electronic signatures
  - Smart cards & security algorithms
  - Satellite systems

# Problems envisaged so far ... (1)

- Some larger IP projects plan for the first 18 months and do not always have a complete view in terms of what could be relevant for standardization
- Standardisation is a long process - projects can usually contribute to standards bodies at the end of their lifetime (but, they don't have the resources for this anymore)
- Some projects are approaching standards bodies only to present a project and to make 'a good point'

# Problems envisaged so far ... (2)

- It is more difficult to bring the projects to the traditional SDOs like ETSI, 3GPP without them being members
- Some projects did not know the standardisation process itself – COPRAS developed and published ‘guidelines’ how to build in standardization efforts into project proposals
- Specific procedures followed by the standards body a project intends to interface with, to a large extent will determine how and when interfacing should be arranged

# Conclusions & recommendations for FP7 (1)

- Areas of interest of the ICTBS members are quite well covered by research projects
- Industry consortia, contrary to the traditional SDOs, are usually more focused on specific topics
- Call 1 covers the more ‘traditional’ standardization issues and areas, thus projects in Call 1 address the “traditional” SDOs areas of interest
- Call 2 covers relatively new research topics (Open development platforms, Cognitive systems, GRID, etc.), thus projects in Call 2 also address industry consortia topics (W3C, OMG, OASIS, RosettaNET)

# Conclusions & recommendations for FP7 (2)

- Mechanism how to facilitate cooperation with standards bodies and consortia prior to as well as after the actual launch of the project activities should be considered by the Commission
  - Possibilities to provide additional resources for project that have their contributions to standardization ready, but are at the end of their lifetime should be considered (e.g. contract extension for these special activities)
  - Projects should be explicitly asked to plan resources for standardisation activities in a project proposal form



Thank you for your attention!

Prof. Tatiana Kovacikova, on behalf of ETSI  
University of Zilina, Slovakia  
[tatiana.kovacikova@frkis.fi.utc.sk](mailto:tatiana.kovacikova@frkis.fi.utc.sk)  
Tel: +421-41-5134335



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