SEVENTH FRAMEWORK PROGRAMME

Coordination of the European Future Internet Forum of Member States

D5.5(b) – Future Internet Award

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1. Introduction

The **'Future Internet Award',** supported and organised by the ceFIMS Coordination Action, is an opportunity for European national and regional Future Internet initiatives to promote their work. Initiatives can take the form of innovative products and services that will shape the Future Internet. The award is awarded every six months (in line with the FIA) to the initiative that is adjudged to have the greatest potential to advance the Future Internet and which provides an exemplar for innovate products/services.

Member States and individual projects were invited to submit entries by means of a three-page entry application (Appendix A)

This report gives details on the second running of the Award

2. Judging Process

Entries were adjudicated on the basis of the following criteria:

- Innovative use of technologies
- Inclusion of local entities, citizens, communities
- Universal usability and access
- Contribution towards reducing the Digital Divide
- Involvement and contacts with industry
- Societal impacts
- Environmentally friendly
- Strategic relevance and pilot implementations in place
- Excellence in themed areas and/or cross-domain
- Cross-regional and/or cross-national

Only projects and initiatives that are currently running were considered for the second running of the Award.

2.1. Judging Panel

An independent Judging Panel scored the entries in a two-round process. The members of the Judging Panel were:

- **Chair**: Mr. **Lambert van Nistelrooij**, MEP
- Mr. **Joan Batlle i Montserrat**, Barcelona City Council, Municipal Institute of Information Technology
- Mr. **Danny Goderis**, Vice President Alcatel-Lucent Bell Labs Benelux
- Mr. **Martin Przewloka**, Head of Future Applications & Services Practice, SAP
- Mr. **Nicolas Demassieux**, Orange-FT Group
- Mr. **Robert Szabo**, Budapest University of Technology and Economics
- Mr. **Viktor Mayer-Schönberger**, Oxford Internet Institute

The judges were asked to judge each entry using a scoring card which was provided by the ceFIMS Secretariat (Appendix B)

3. Entries

23 entries were received from 10 Member States. A list of entries is attached in appendix Appendix C.

Entries were limited to currently running projects and the competition was open to entries at European, national and regional levels.

4. The Winner

The winner of the Award was **SmartSantander**

SmartSantander proposes a unique **city-scale** experimental research facility in support of typical **applications and services for a smart city**. Tangible results are expected to greatly influence the definition and specification of **Future Internet architecture** from the viewpoints of Internet of Things and Internet of Services. This unique **experimental facility** will be sufficiently large, open and flexible to enable horizontal and vertical federation with other experimental facilities and stimulate the development of new applications by users of various types, including experimental advanced research on IoT technologies and realistic assessment of **users' acceptability tests**. The facility will comprise more than **20,000 IoT devices** (sensors, nodes, etc), 12,000 of them deployed in the city of Santander and its surroundings, and the remainder in the locations of Lübeck, Guildford, Belgrade,

Århus, and Melbourne. SmartSantander will enable Future Internet of Things and Services become a reality.

The project anticipates a dialogue between cities, businesses, citizens, and ICT researchers and developers applying user driven innovation methodologies to transform prototyped applications into a smart city collective service offering that are useful and accepted by the different stakeholders involved. The applications and services for the smart city are to be used by the citizens in a Living Lab approach, thus allowing the user to take part in the experimental research facility not only for testing final applications and services, but most importantly, to involve the real users in the design processes.

Existing facilities are usually not very large in scale and, moreover, they are not intended to be open experimental research platforms for the Future Internet. SmartSantander will overcome this by allowing every interested research groups to run their experiments on its truly large-scale platform.

Other of the most challenging goals of SmartSantander will be to provide the means for the exposure of service assets to third parties. The diverse procedures for discovering and accessing services that are currently been proposed will be analysed in order to include in the project the means to allow external users to experiment by remotely accessing the facilities.

To date, no secure dynamic reprogramming mechanism exists that is suitable for heterogeneous systems, and this will be also developed within the project. The deployed facility will also be IPv6 aware.

5. Award at FIA, Budapest

The Award was presented during the closing ceremony of the FIA in Budapest, Hungary on 19th May. The Award ceremony was introduced by Mr. Mario Campolargo and the Award presented to the winners by a representative of the Judging Panel, Mr. **Robert Szabo** from the Budapest University of Technology and Economics. Photographs taken during the Award presentation are included in Appendix D.

Entries for the next Award will open in July 2011 with the next Award presented during FIA, Poznan, October 2011

Appendix A. Entry Form

FUTURE INTERNET AWARD

APPLICATION FORM

COMPLETED APPLICATION FORMS (MAX 3 PAGES) SHOULD BE E-MAILED TO CEFIMS PROJECT MANAGER BRIAN FOLEY (BFOLEY@TSSG.ORG) BY MARCH 25TH, 2011

PROPOSERS MAY SUBMIT SUPPORTING DOCUMENTATION BEYOND THE 3 PAGE LIMIT – HOWEVER THIS MAY NOT BE TAKEN IN ACCOUNT IN THE ADJUDICATION PROCESS

IMPORTANT: ALL INFORMATION SUBMITTED SHOULD BE PUBLICALLY AVAILABLE – PLEASE DO NOT SUBMIT SENSITIVE OR CONFIDENTIAL DATA, AS INFORMATION ABOUT THE INITIATIVE WILL BE PUBLICISED AND INCLUDED ON THE CEFIMS WEBSITE

PROJECT IDENTIFICATION

Project name:	
Project website:	
Project coordinator name:	
Contact details (email: postal address: telephone:)	
Nominator name: (if different from coordinator)	

KEY INFORMATION

Proposed project start (month/year):	
Planned completion date (month/year):	
Duration (months):	

KEYWORDS:

e.g. science, technology, health, learning, business, government, media, culture, social, entertainment, etc.

PROJECT ABSTRACT (MAXIMUM 10 LINES):

PROJECT OBJECTIVES (MAXIMUM 3 BULLETS):

• • •

PROJECT HIGHLIGHTS:

e.g. highlight the innovative character of the project: - innovate use of technologies; involvement and contacts with industry; environmentally friendly; strategic relevance and pilot implementations in place; excellence in themed areas and/or cross-domain; cross-regional and/or cross-national; etc.

EXPECTED IMPACT:

e.g. contribution towards reducing the Digital Divide; societal impacts, universal usability and access, contribution in the member state, region etc.

INNOVATIVE DEVELOPMENT AND USE OF ADVANCED INTERNET TECHNOLOGY:

e.g. IPv6 aware (particularly in real case settings)

INVOLVED CONSTITUENCY:

Describe the partnership and how it works e.g. public bodies (Local Authorities), industrial partners, SMEs, researchers/academia, funding agencies, citizen representative bodies, etc. Highlight any other regions / member states involved.

TOTAL PROJECT BUDGET:

Total budget: funding mechanism (e.g. EU: National Public: National Private: Other)

Appendix B. Scoring Card

Future Internet Award

Scoring Card

Judges are asked to score applications according to three criterion: **Scientific & Technological excellence; Quality of Management; Potential Impact**. These criterion reflect the published criterion for the Award. Each criterion is scored to a maximum of 5.0, according to the scale shown below. Note that half-point (0.5) scores may be given.

Score	Comment	Explanation
0	*Very poor*	Fails to address criterion
1	*Poor*	Criterion addressed weakly
2	*Fair*	Addresses criterion, but there are significant weakness
3	*Good*	Addresses criterion, but improvements are necessary
4	*Very good*	Criterion addressed very well, but improvements still possible
5	*Excellent*	Addresses all criterion – any shortcomings are minor

Please return the completed Scoring Card to:

bfoley@tssg.org

Project Identification

Project name:	
Project coordinator name:	

Evaluation

1. Scientific & Technological excellence (innovative development & use of advanced Internet technologies; excellence in themed areas and/or cross-domain)	**Mark (max. 5.0)**
Comments:	

2. Quality of Management (strategic relevance and pilot implementations in place; quality of consortium – inclusion of local entities, citizens, communities, cross-regional and/or cross-national; involvement & contacts with industry)	**Mark (max. 5.0)**
Comments:	

3. Potential Impact (universal usability and access; contributions towards reducing the Digital Divide; societal impacts; environmentally friendly)	**Mark (max. 5.0)**
Comments:	

TOTAL SCORE	**TOTAL (MAX.15)**
Comments and Additional Remarks:	

Appendix C. List of Entries

No.	Name of Project
1	Creative Selector
2	DINOS
3	IGLUE
4	CrowdSense
5	Robobraille
6	Grandparents-Grandchildren Competition of Informatics
7	ONE-FIT
8	SmartSantander
9	Zonerider
10	VirCA
11	fullXS
12	mindenki
13	I-Beds
14	eBook reader with HTML 5
15	Electronic Medical Prescription Management System
16	Internet System Supporting Female Cancer Prevention and Natural Methods of Planning Family
17	ROLINEST
18	SEANET
19	NOBEL
20	Future Internet Engineering
21	Risc-Expert
22	NOR STA
23	T-City Szolnok

Appendix D. Photographs from Award Ceremony

Photograph 1: The Future Internet Award

Photograph 2: (l-r) Jose Manuel Hernández-Muñoz (SmartSantander), Willie Donnelly (ceFIMS Coordinator), Robert Szabo (Award Judging Panel) and Mario Campolargo (European Commission Director of Emerging Technologies and Infrastructures)

Photograph 3: Jose Manuel & Willie Donnelly inspect the Award

Photograph 4: Members of the SmartSantander consortium pictured at the Award presentation. Picture also includes Robert Szabo of the Judging Panel (far left).

Appendix E. Judges' Comments on SmartSantander (consolidated)

Overall the project scored very highly across all three categories of the evaluation:

- Scientific and technological Excellence
- Quality of Management
- Potential Impact*

Specific Comments received:

1. Composition of the Consortium

- "The composition of the SmartSantander consortium is a perfect example of

  inclusion of local entities, citizens, communities, cross-regional and/or cross-national involvement and contacts with industry"

- "Good mix of authorities, industry and universities"

2. Innovative Methodologies

- "there is a dialogue between cities, businesses, citizens, and ICT researchers and developers applying user-driven innovation methodologies.
- "The LivingLab approach demonstrates a high level of Innovation and the openness is promising"

3. Innovative use of advanced ICT

- "deploying sensors at large scale incorporating dynamic reprogramming features is a good example of use of advanced technologies"
- "The first deployment of sensors is done"

4. **Wide dissemination and targeting Societal Challenges**

- "the exposure of services assets to third parties, the use of open model suitable for replication are key drivers for the dissemination of the result. It could also be replicated in other countries"
- "the user driver method approach, the dialogue with citizen and cities, the test of application in real life are key drivers for the adoption of the applications
- "applications for Smart City by nature are targeting societal challenges and are environmental friendly"
- "Promotes smart services development"