Launch of FI-LAB at Campus Party by Neelie Kroes

On 3 September 2013, Neelie Kroes, Vice-President of the European Commission responsible for the Digital Agenda, launched FI-LAB, the platform for Future Internet experimentation, at the Campus Party in London.

Juan José Hierro Sureda, technical coordinator of the FI-WARE project, explains the FI-LAB to Commissioner Neelie Kroes.

The FI-LAB was created by the FI-PPP core platform project FI-WARE as a live instance of the project's generic enablers. FI-LAB is available to developers for free experimentation with the technology.

Read more about the launch of FI-LAB at the Campus Party London in this issue and on the FI-WARE website at www.fi-ware.eu

The aliens are coming!

photo: © 2013 Disney Research Zurich

The photo shows Skye Wars – the first iTunes app using cutting-edge research results from the Future Internet PPP programme. The app is based on the pervasive gaming platform developed by Future Internet use-case project FIcontent2.

Read more about Skye Wars and the FIcontent2 project in this issue.

In this issue

Great success of FI-LAB at Campus Party in London

After many months of intense work, the team of the Future Internet PPP's core platform project FI-WARE had the opportunity to show the world at the Campus Party in London's O2 Arena that FI-LAB, formerly known as Open Innovation Lab, is up and running. From 3 to 6 September 2013, FI-WARE presented its FI-LAB and its Generic Enablers to 10,000 developers from all over the world.

FI-LAB launch with Commissioner Neelie Kroes

Reflecting the importance of this milestone for FI-WARE and the whole FI-PPP, Neelie Kroes, Vice-President of the European Commission responsible for the Digital Agenda, made the official announcement of FI-LAB at the launch on 3 September. Ms Kroes was accompanied, among others, by Carlos Domingo, Director of Product Development and Innovation at Telefonica Digital and Executive President of Telefónica R&D, Deborah Rippol, director of Startup Weekend Europe, and the 17-year-old advisor Luis Ivan Cuende, a young entrepreneur.

In her speech Ms Kroes stressed the value of FI-LAB for increasing the competitiveness of European companies and as an asset for start-ups and entrepreneurs. Her enthusiasm clearly showed when she addressed the audience by saying: "You are best placed, not just to innovate, but to turn that innovation into real products, real services, and real jobs. Let's stop with being modest in Europe!"

Neelie Kroes, engaging with the FI-WARE team at the stand

Amazing audience at the launch of FI-LAB

Launching an IT solution or a product to the market is not an easy task, but the endeavour is even more difficult when it arises from the joint effort of many organizations, as it happens in FI-WARE, the core platform project of the Future Internet PPP. This is an EU initiative that already started with the most ambitious goals, but the success and impact seen at the Campus Party has exceeded most people's expectations.

The 2013 edition of the Campus Party has been one of the biggest and best ever, attracting some 10,000 participants ("Campuseros") over the four days. Some figures to highlight the size of this huge event: 3,500 campers from 40 countries around the world, 250 speakers, over 500 hours of content and 16 sponsors, including, Sony, Microsoft, Barclays, Ladbrokes, Facebook, the European Union and UK Government, as well as 35 companies represented at the MarketPlace plus 50 of the brightest new European start-ups. FI-LAB received the high level of visibility it deserved.

FI-WARE technical workshops were always crowded: 180 attendees put their hands on the technology

A special focus of FI-WARE was to involve developers into the the project's activities at Campus Party.

FI-WARE organised three technical workshops, which covered the following topics: (1) Developing your first application using FI-WARE, (2) The FI-WAREcloud: bringing OpenStack to the next level, and (3) Powerful web 3D, augmented reality and media features using FI-WARE. Always crowded, these workshops attracted around 180 attendees. The hackathon got 44 registrations, which led to the submission of 10 proposals.

FI-WARE contest for developers

A special highlight at the Campus Party was FI-WARE's contest for developers. The challenge was "Building your Future Internet application using FI-WARE" in only two dayy. The challenge was successfully accepted by a number of developers. Here are the winners:

Young developers on stage collecting their prize from Juanjo Hierro, technical coordinator of FI-WARE

FIRST PRIZE: "SMADS, smart ads for smart cities"
(Developed by: Alberto Elías, Jorge Izquierdo, Alejandro Perezpayá y Braulio Valdivielso, from Spain; prize: 5000 euro)

With the buzz around smart cities, people are starting to worry about having advertisements everywhere. Smart cities have an enormous potential in this field. That is the reason why the creators of SMADS think that it is important to make use of it. This makes it possible that the ads displayed to a user are chosen based on the information received from different kinds of sensors that measure, for instance, the temperature, the proximity or the humidity. SMADS is a product that makes ads appear just in the most proper moment, according to the information coming from the sensors. This will allow advertisers to reach the users just when they need their products, then the brands will reach them in a more efficient way and will get a better impact.

SECOND PRIZE: "Traffic monitor"
(Developed by Justas Salkevicius, from Lithuania; prize: 3000 euro)

This application monitors the crowdedness of a location. It warns if the limit of people that can be in a place is reached and about constant crowdedness.

"Traffic monitor" analyzes the behaviour in big events and traffic data to better allocate the flow of participants. It also gathers data about shop display windows and ad efficiency.

THIRD PRIZE: "EnPhi, Feedback-Driven Environment Evaluating Platform"
(Developed by Ivan Trancik, from Slovakia; price: 1500 euro)

This application is about finding, processing and displaying correlations between people's feelings about some place and objective sensor data. In this way, you can figure which data (humidity, illumination, temperature, etc.) is what makes people feel better. This application will enable users to thumb-up or thumb-down their feelings about a particular place. When the user makes his move, the subjective data are sent to the server, where a context is being created showing the user reviews by colors.

FOURTH PRIZE: "SociWare"
(Developed by Pau Contreras, Adrián Crespo, Pablo Iglesias, Jesús Iniesta, Jorge Lavin and Luis Polo, from Spain; price: 500 euro)

This application is giving the customers the chance to feel part of a business or an event. Using the power of smartphones, the Raspberry-Pi device and the versatility of the FI-WARE cloud, SociWare is a solution that provides the customers the possibility to execute codes via Twitter, generating events inside the event, like taking part in a poll to choose a favorite song or make a decision.

BEST CONNECTED TO THE INTERNET OF THINGS: "Hotel Automation"
(Developed by Daniel López and Antonio Sánchez, from Spain; price: 2500 euro)

This application controls and manages the sensors in a hotel room. Using the sensors, it improves the comfort of the guests and their experience.

BEST USER INTERFACE PRIZE: "Tweetbolt, a social charger"
(Developed by Pablo García-Nieto and Adrián Martín Piñas, from Spain; price: 2500 euro)

Tweetbolt is targeted to technological events such as Campus Party, music festivals and congresses like MWC, where no power supply is available for users as they go. It is about bringing new facilities for these places, based on charging stations with real-time notifications through the twitter API. With this software, the user can be notified whenever a device is fully charged, including security settings specifically designed for public charging stations.

Finally, FI-WARE awarded the Young Developer Prize to Alberto Elías, a member of the team who developed the project "SMADS, smart ads for smart cities".

The FI-WARE team expects that this is just the beginning and that many more developers will engage in using FI-LAB. The soundness of the technical concept and the amazing opportunities enabled by the technology available in FI-LAB convinced the audience at the Campus Party.

Huge interest by young developers at FI-WARE stand

Further information:

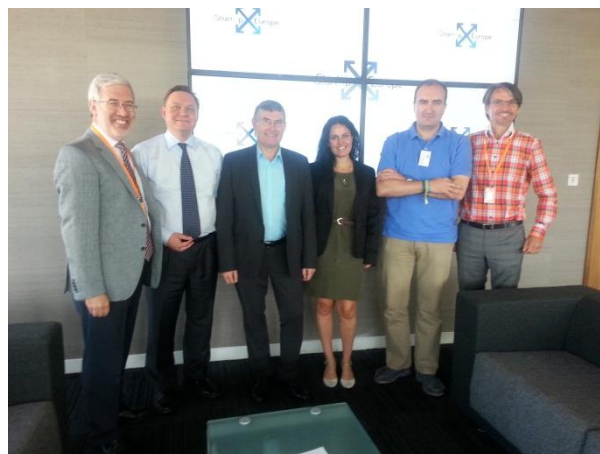http://www.fi-ware.eu/hackaton

http://www.campus-labs.com

http://www.campus-party.eu

www.campuse.ro

Videos from the event are available at http://www.youtube.com/fiware

Powering web entrepreneurship and innovation to drive growth in the Digital Economy

Pre-Campus Party workshop in London

On 2 September 2013, a group of leading European industry, government and academic experts gathered to promote and debate European activities to spur future entrepreneurship and innovation. The organizers of the event, StartUp Europe and the Lisbon Council, laid out critical topics for the evolution of the European Digital Agenda and making it a concrete force in European economic development.

At the pre-Campus Party workshop (from left): Mario Campolargo (Director Net Futures at the European Commission), Ilkka Lakaniemi (chairman of the FI-PPP), Thierry Nagellen (Program Manager Future Internet at Orange Labs, FI-WARE project), Nuria de Lama (Atos, FI-WARE project), Juan José Hierro Sureda (FI-WARE project), Peter Fatelnig (European Commission).

The event was directly linked to the Future Internet PPP when discussing the transformational role of the Internet in European societies. For all participants, it was obvious that Future Internet-enabled services, goods and talented workforce were in the process of reinvigorating European entrepreneurship and innovation. Similarly, obvious to all was the large number of existing challenges that hinder the full force of the digital transformation in Europe.

These challenges are familiar to all FI-PPP stakeholders. They include the slow progress of the Digital Single Market (DSM), regulatory burdens in setting up and expanding cross-border businesses, uneven access to capital, especially for the growing startups and lack of supportive national policies to move beyond rhetoric in removing obstacles and opening new, harmonized markets.

To tackle these challenges and stimulate European innovation, Neelie Kroes, Vice-President of the European Commission, called for direct action by the European digitally-savvy youth, web developers, startup entrepreneurs and industry leaders. To further this call for action, Commissioner Kroes led the launch of a European StartUp Manifesto that brings forward concrete, short-term recommendations.

Ilkka Lakaniemi, chairman of the FI-PPP, welcomed the EC's initiative and said: "The FI-PPP stakeholders welcome and support the Commission's call for actions. We look forward to see the Commission's recommendations being implemented to create new business opportunities for Future Internet-based innovations in Europe. The FI-PPP contributes to this by demonstrating the transformational effects of Future Internet technologies, solutions and services. "

Further information:

StartUp Europe Manifesto - www.startupmanifesto.eu

Lisbon Council - www.lisboncouncil.net

Augmented-reality gaming in the Skye

The Pervasive Games platform of FIcontent2

In July 2013, the first iTunes app was launched which is based on technology developed by Future Internet PPP use case project FIcontent2. The online gaming app Skye Wars showcases the potential of FIcontent's augmented-reality technology and its Pervasive Games platform.

Pervasive Games platform

Together with the Social Connected TV platform and the Smart City services platform, the Pervasive Games platform is one of the three axes along which the FI-content project moves to drive innovation at the crossroads of content, media, networks and creativity.

The Pervasive Games platform shows advances in 3D and virtual world environments in an immersive and realistic way. It focuses on multiplayer mobile gaming that leverages Future Internet technology in order to enable large groups of users to participate in innovative mobile gameplay experiences, going beyond the traditional paradigm in which a user is fixed in front of a console or display.

Skye Wars

In line with the platform's ambitions, the Skye Wars app enables an immersive experience merging reality with the virtual events of the game into a multiplayer mobile gaming experience.

The game is set in a far-away future, where an unknown invasion force is threatening the Human Conglomerate. Players are asked to join Project Skye, a defense unit capable of intercepting enemy incursions over short distances.

Project SKYE

Project SKYE is also the name of a technological joint venture between the Swiss Federal Institute of Technology Zurich and Disney Research Zurich. Both are members of the FIcontent consortium, together with other major European and global companies and research centers.

Another major outcome of the Swiss collaboration is Skye, a device that combines the elegant and energy efficient flight of a blimp with the precise handling characteristics of a quadcopter. Agile motion is supported by long flight duration, safe deployment around people, and an integrated camera system. Inter LEDs are used for the creation of aerial visual effects.

Skye's potential has been successfully demonstrated on 21-25 July 2013 at the major international event on computer graphics and interactive techniques, the SIG-GRAPH 2013 Computer Animation Festival in Anaheim, California.

Conference attendees were invited to download the Skye Wars app, which met great interest among the audience: just after SIGGRAPH the iTunes page of the app has become very popular, reaching over 2000 downloads.

Further information:

FIcontent2 project website – www.ficontent.eu

Strengthening the EU media sector

Interview with Pieter Van Der Linden, FIcontent2

Advances in the audio-visual content area happen at a stunning pace, and they are propelled by tomorrow's Internet technologies. We talked about the future of the European media sector and how the Future Internet PPP contributes to its progress with Pieter Van Der Linden, Director of Technicolor's Research and Innovation Center in Paris and coordinator of the FIcontent2 use case project.

What are in your view the most important technological trends in the content and media area for the coming seven years?

Van Der Linden: In my opinion seven years is a very long period at Internet speed and at even faster Internet media speed. Companies such as Facebook and Twitter, who are currently reshaping consumer behaviours and consumption patterns, did not exist seven years ago. We may safely assume that some of the most prominent actors of the media sector in seven years from now do not yet exist either. This being said, I believe that the current trend towards more personalization of the media consumption experience, and more interaction with the media will continue. Subsequently the most important technologies are data analysis, user interaction and social science.

How is the FIcontent2 project adding value for Europe in the content and media area?

Van Der Linden: Traditionally Europe has a very strong position in the cultural space. Europe is the home area for world famous writers, composers, painters, photographers, film directors, and game designers. Europe also hosts many important cultural events. By developing and deploying advanced technologies, and by experimentally testing them with end users, FIcontent2 helps Europe's media industry to remain a world leader. The main idea of the project is to foster the emergence of an infrastructure allowing to shorten the path between a concept or technical invention and its concrete use by end users. By doing so the project is expected to have a clear business impact for the European media industry in the short and longer term.

What will be the single most important result that FIcontent2 will have achieved when the project ends in 2015?

Van Der Linden: By 2015, FI-CONTEN 2 will have achieved the availability of a wide eco-system of media producers, media designers, media technologists, media distributors and media consumers. Through this eco-system, they will be collectively able to take advantage of leading-edge open platforms to boost their business.

How does FIcontent2 contribute to the overall goals of the Future Internet PPP programme?

Van Der Linden: Likes all FI-PPP projects, FIcontent2 contributes to designing and validating an Internet open infrastructure at the forefront of international developments, which is the overall aim of the FI-PPP programme. More specifically, the technologies de-

ployed and tested in FIcontent2 aim at optimizing the content creation and distribution circuit and at increasing the potential for commercial exploitation. By doing so we participate in strengthening the competitive position of the European media sector, which is indeed an objective embedded in the FI-PPP aims.

What do you personally consider the most important goal that the European Union should aim to achieve in the content and media area over the next seven years?

Van Der Linden: Tricky question, but a very simple answer. The EU should just do whatever possible to make sure that among those companies reshaping the media sector over the next seven years several are European. One possible way for making sure this happens is to make sure European citizens are the happiest content consumers in the world with ultra-fast content access and a highly reliable and comprehensive protection of individual liberties, in particular privacy.

Open Calls for new project partners

Opportunities to participate in the FI-PPP

All projects that have started phase 2 of the Future Internet PPP programme are currently running Open Calls for new project partners to complement their work.

The following calls are available:

XIFI Open Call
Submission deadline: 27 November 2013

FIcontent 2 Open Call
Submission deadline: 8 January 2014

FI-STAR Open Call
Submission deadline: 20 November 2013

FIspace Open Call
Submission deadline: 18 December 2013
(to be confirmed)

FINESCE Open Call
Submission deadline: 13 November 2013

FITMAN Open Call
Submission deadline: end-November 2013
(to be confirmed)

The latest list of Open Calls, including links to detailed call information, is available on the FI-PPP website at www.fi-ppp.eu/how-to-participate

US-EU seminar on digital ecosystems

Presentation by FI-PPP chairman in Berkeley

FI-PPP chairman Ilkka Lakaniem from Aalto University

On 5-7 September2013, the 100-year old Claremont Hotel in the foothills of Berkeley, California provided a tranquil setting for a gathering of more than 30 US-EU industry, academia, venture capital and industry representatives discussing "Chaos and Turbulence in Digital Ecosystems".

The participants included US Internet company executives, economists and political scientists from University of California at Berkeley and Stanford universities and invited European speakers, including Ilkka Lakaniemi, the FI-PPP Programme Chair.

Mr Lakaniemi presented the objectives of the Fi-PPP to an audience that quickly analyzed the potential impact of the European FI-activities in relation to global trends in e-commerce, cloud computing, Big Data, revitalization of the US manufacturing sector and the transatlantic ICT-industry consolidation.

In response to Mr Lakaniemi's presentation, US participants acknowledged the European private-public collaboration approach as vital at times of industrial transition. FI-PPP use case areas ranging from agriculture to smart manufacturing were considered topical in building new Internet-enabled economies on both sides of the Atlantic.

Most noteworthy was the US acknowledgment of European leadership in areas of common interest such as European manufacturing prowess and the continuous innovation in European product quality. Europe is providing examples for the US in the integration of Future Internet-enablers in all areas of economic activity. This was seen as a clear differentiator to the ICT-centric paradigm of the Silicon Valley.

Further information:

University of California at Berkeley –
www.funginstitute.berkeley.edu/center-entrepreneurship-and-technology

Stanford University – www.fsi.stanford.edu

Future Internet event in Poznan

A two-day event on "Innovative partnerships and Future Internet development in the enlarged EU" in Poznan, Poland, on 17-18 September 2013 attracted an international audience of over 100 participants. The information and networking event focused on the innovation and business development aspects of the Future Internet.

The event was organised by the Polish Ministry of Science and Higher Education (MSHE) and the Poznan Supercomputing and Networking Center (PSNC) and supported by the European Commission, the Future Internet Public-Private Partnership (FI-PPP) and the Ideal-IST project. It had a strong networking and brokering component and attracted local SMEs, Future Internet Research Institutions, and potential FI-PPP phase 3 proposers from different locations in Europe.

In the opening session of the first day, Cezary Mazurek, PSNC, and Piotr Kępski, MSHE, highlighted their main objective to bring together the FI-PPP, European national and regional Future Internet initiatives, projects

and business stakeholders to support them in building innovative and inclusive Future Internet ecosystems.

Arian Zwegers from the European Commission provided an overview of the Future Internet in Horizon 2020. The FI-PPP was seen in this context as a front-runner towards the Horizon 2020. Nuria de Lama from ATOS Research provided specific information about the Future Internet Core Platform, FIWARE, in the context of an FI-PPP overview.

Cezary Mazurek, PSNC (left), and Piotr Kępski, MSHE

Cezary Mazurek opened the second session of the day by providing an appealing overview of the infrastructure for Future Internet development in Poland. His presentation was followed by three other national and international initiatives in Hungary (Future Internet Technology Platform, presented by Peter Bakonyi), Sweden (Cluster 55 initiative presented by Micael Gustafsson) and Finland (Living Labs, presented by Jarmo Eskelinen). The day ended with a panel on "Building the ecosystem: Identification of own strengths" and a series of pitches by local SMEs who presented their innovative Future Internet services and products. These pitches stimulated networking and helped the audience to understand the great potential of innovation of the Polish local ecosystem.

"European brokerage event for umbrella organisations and clusters in the context of FI-PPP" was the heading for the second day, which was fully dedicated to the Future Internet PPP.

Arian Zweger, European Commission

Arian Zwegers from the European Commission provided detailed information for potential FI-PPP Call 3 proposers, covering the programme architecture, the steps taken from the platform components, to platforms and to third-party applications and users. He emphasized the focus on SME intermediaries in this 3rd call and the possibility of building proposals based on domain specific ecosystems, company ecosystems or territorial based ecosystems.

Sjaak Wolfert from FIspace

FI-WARE (Nuria de Lama), INFINITY (Cezary Muzarek), FI-CONTENT (Barbara Zambrini) , FIspace (Sjaak Wolfert), FINESCE (Rafael Artych), FIStar (Joanna Modlawska) and XIFI (Martin Potts) were present in

this second day, and provided the audience with relevant information for call 3 proposers.

The afternoon session of this second day hosted some presentations from potential proposers including some project ideas and interested partners.

Further information and presentations can be found at http://infoday.fi-ppp.pl/poznan2013/

UPCOMING EVENTS

The FI-PPP is involved as organiser or contributor in the events listed below. Please note that this is only a selection of the most important events.

3-4 October 2013
Call 3 Information Days
Brussels, Belgium
https://ec.europa.eu/digital-agenda/en/fi-ppp-call-3-information-days

28-30 October 2013
NEM Summit
Nantes, France
http://nem-summit.eu

5-7 November 2013
ICT 2013
Vilnius, Lithuania
https://ec.europa.eu/digital-agenda/en/ict-2013

13-14 November 2013
Slush 2013
Helsinki, Finland
http://slush.fi

18-20 March 2014
11th Future Internet Assembly – FIA Athens 2014
Athens, Greece
https://osqa.eurescom.eu – site for submission of working session proposals at

About the FI-PPP programme

The Future Internet Public-Private Partnership, short: FI-PPP, is a European programme for Internet-enabled innovation. The FI-PPP will accelerate the development and adoption of Future Internet technologies in Europe, advance the European market for smart infrastructures, and increase the effectiveness of business processes through the Internet.

Website: www.fi-ppp.eu

FI-PPP on Twitter: @fi_ppp

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Editor: Milon Gupta, Eurescom (CONCORD project)

Contributors: Nuria de Lama, Atos (FI-WARE), Marta Arniani, Sigma Orionis (FIcontent2), Pieter Van Der Linden, Technicolor (FIcontent2), Ana Garcia, ENoLL (CONCORD), Ilkka Lakaniemi, Aalto University (CONCORD)

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