



Photo from Future Internet Forum meeting at NetFutures, Brussels, March, 2015.

In the 3rd ceFIMS-CONNECT Newsletter, you can find an update on the ceFIMS-CONNECT repository database development and ongoing Future Internet and 5G related developments in Austria, Malta, Poland, Portugal and Spain. Moreover, it presents a summary of the latest FIRE workshops and FIRE+ extension with new projects, FIWARE initiatives for boosting FIWARE usage beyond the FI-PPP programme, and first phase projects of the 5G-PPP. Finally, the newsletter highlights the upcoming events including the upcoming ICT 2015 conference, where the 14th FIF meeting will be held also.

A web version of the newsletter can be found at <http://www.cefims.eu/fif/newsletter-august-2015/>.

FIF AND CEFIMS-CONNECT ACTIVITIES

13TH FIF MEETING

The 13th FIF meeting was held on 25-26th March 2015 in Brussels, Belgium, co-located with the "[Net Futures 2015: born to scale](#)" conference organized by European Commission. [Read more ...](#)

The next meeting of the Future Internet Forum will be held in the context of [ICT 2015 conference](#) - Innovate, Connect, Transform, on 20-22 October 2015 in Lisbon, Portugal.



3rd Newsletter

August 2015

CEFIMS-CONNECT FIF REPOSITORY DATABASE

As mentioned in the previous newsletter, the ceFIMS-CONNECT project is developing an interactive repository database tool dedicated to FIF Member's use only, called FIF RDB, which will provide a good platform to share and collect information on nationally funded projects, initiatives and stakeholders on the Future Internet theme, and allow for quick searching and aggregation on particular topics e.g. 5G, FIWARE, etc.

The FIF RDB prototype, which contained data sets from four Member States, Ireland, Poland, Portugal, and Spain, was demonstrated live at the 13th FIF meeting and a number of helpful comments were received for the system from the members and these are being implemented. Some examples included the inclusion of EU funded projects and a method of entering projects in batch mode for quicker entry.

Since the success of this tool and the benefits that the FIF members can gain through it is strongly dependent of the engagement by FIF delegates and the National Funding Agencies to populate the database with running projects, the ceFIMS-CONNECT project is already collecting data from the FIF members.

FIWARE NATIONAL WORKSHOPS RECOMMENDATIONS

Extensive experience of ceFIMS-CONNECT partners extracted from (co-)organizing and running different events and actions related to FIWARE programme promotion in 2014 have been compiled into a [recommendations report](#).

FIWARE programme promotion at local level has been crucial for involving start-ups and SMEs not only to FI-WARE, but also to Europe research and innovation environment. Since no new FI-WARE calls are expected, the content and orientation of these promotion events may evolve. The new focus points we recommend are:

- Promote national funding programmes where using FI-WARE is a plus for the proposals, either creating specific FI-WARE oriented funding instrument or identifying already existing programmes where FI-WARE technology is welcome.
- Promote startups and SMEs having succeed in FI-WARE. These companies and their representatives can share their experience in FI-WARE and is highly recommendable to give them a slot. The benefit is double: for the audience to know more about real experiences, and for the speakers to promote their work.
- Inform about new FI-WARE related initiatives such as the [OASC](#) (The Open & Agile Smart Cities) or the [AIOTI](#) (The Alliance for Internet of Things Innovation). These people can provide to newcomers some keys to approach successfully FI-WARE solutions.

CEFIMS-CONNECT SOCIAL MEDIA

Are you eager to connect with other Future Internet and 5G researchers, innovators, businesses? Join the [ceFIMS-CONNECT LinkedIn](#) group and [@ceFIMS Twitter](#) and share information and events among all interested parties.

CEFIMS-CONNECT MONITOR: NEWS FROM NATIONAL INITIATIVES

In December, 2014, ceFIMS-CONNECT launched a Monitor service, which is an ongoing tool for Member States and Associated Countries to publish and share their national best practices, success stories and developments in the area of Future Internet and 5G, as well for European initiatives to share their news with national stakeholders, on a regular basis. If you would like to publish an item via the ceFIMS-CONNECT Monitor service, please email to the contacts given at the end of the newsletter.

AUSTRIA: THE AUSTRIAN IOT DAY 2015 AND ICTPROFILES SERVICE

Following the great success of the European Internet of Things Conference Global IoT Day Event in Vienna which was attended by over 500 participants, on 04.11.2015, Seidler Consulting and IoT Austria will organize "[The Austrian IoT Day 2015](#)". The conference to demonstrate the potentials of the Internet of Things in Austria (#taid2015) will be held in Vienna's Museum Quarter.

Looking for research partners in Austria? ICTprofiles offers a free online service, tailor-made to help you to find Austrian partners for your ICT research and development projects – either in the context of EU-funded Research and Development projects (Horizon 2020 Programme, Active Assisted Living Joint Programme) or within a broader search for technology-orientated partnerships (Joint Technology Initiatives). [Read more ...](#)

HUNGARY: MTA-BME FUTURE INTERNET RESEARCH GROUP

In the 2nd 5G Monitor, Vilmos Németh from Hungarian National Innovation Office summarizes the research works carried by MTA-BME Future Internet Research Group at Budapest University of Technology and Economics in the area of 5G.

The group was established in 2012 by János Tapolcai as part of the Momentum Program (LENDÜLET) by the Hungarian Academy of Sciences (MTA), at the Department of Telecommunications and Media Informatics of the Budapest University of Technology and Economics (BME). [Read more in 2nd 5G Monitor.](#)

IRELAND: FIWARE MUNDUS VISITS SOUTH EAST IRELAND

A meeting was held in Waterford, Ireland between the [FIWARE Mundus](#) programme representatives from the FI-LINKS project, Orange Labs and InterInnov, and [Waterford Institute of Technology](#) (WIT) and their [Telecommunications Software and Systems Group](#) (TSSG), the FIWARE node of Ireland, [eDIGIREGION](#) project, which is coordinated by WIT, and other interested representatives from South East Ireland, with the view to setting up an official FIWARE region in the South East of Ireland. [Read more ...](#)

MALTA: MOU BETWEEN HUAWEI AND MALTESE GOVERNMENT

Chinese telecommunications giant Huawei has signed a memorandum of understanding with the Maltese government research and develop technologies in the country. The MoU includes a commitment by Huawei to start testing 5G. The understanding also implies that the company will help the country develop its digital Malta strategy. The strategy includes a nationwide fibre-to-home project and fibre wire connectivity to other countries aside from Sicily. [Read more ...](#)

POLAND: PSNC TO LAUNCH COMMERCIAL FIWARE NODE

As a growing number of SMEs funded by A16 Accelerators are bringing FIWARE-based products to the market, Poznań Supercomputing and Networking Center (psnc.pl) has decided to launch a commercial FIWARE node, providing these companies with a highly reliable infrastructure and support. FIWARE related services are going to be launched by the end of 2015 with an initial focus on SMEs from eHealth and mHealth areas. In the beginning of 2016, the node will be opened for all A16 SMEs and other companies interested in using a commercial FIWARE ecosystem to bring innovative Future Internet solutions to the market. [Read more in 2nd FI Monitor.](#)

PORTUGAL: AIOTI MIRROR PLATFORM AND FIWARE AND H2020 EVENT

Recently Portugal has launched the “AIOTI” mirror platform. [Read more...](#)

Moreover, to foster growing Future Internet ecosystem, the Fundação para a Ciência e a Tecnologia (FCT), in collaboration with the IPN – Instituto Pedro Nunes, organized a whole day event dedicated to the Future Internet and FIWARE opportunities within the Horizon 2020. [Read more ...](#)

SPAIN: FUTURE INTERNET AND 5G INITIATIVES

Following the previous year's support activities to Future Internet in Spain, the Administration (mainly Ministry of Industry, Energy and Tourism) and the ICT industry (AMETIC – Spanish ICT industries association – through the Future Internet Spanish Technology Platform, es.INTERNET) have kept on providing information and encouraging national SMEs participating on FI-PPP as well as on national calls. Periodic coordination meetings have been held in order to plan and organize strategy and events.

Highlighted actions are:

- The heroes of the Future Internet (Madrid, 21st May 2015)
- International conference on Future Internet (planning in progress, expected date: October 2015)

Moreover, the Digital Economy and Society Strategic Action mobilized 200 M€ for 2015 call including future internet related topics as well a specific line on 5G technology.

Finally, the Spanish Government, through the Ministry of Industry, has approved in July 2015 the allocation of 78 M€ to promote smart cities.

For more information read [2nd FIF Monitor](#).

NEWS FROM JOINT EUROPEAN INITIATIVES

FIRE

FIRE projects have **organized some workshops** focused on celebrating FIRE success stories to date, finding new ideas to re-use existing FIRE testbeds for the 5G and IoT testing, and finding potential new business leads. First was the [5G Testbeds and Hands-On Experimental Research Workshop at EuCNC 2015, organized by AmpliFIRE, CREW, and WiSHFUL](#) projects. The sessions initiated a general discussion on 5G and experimental test beds, as well as on specific technical issues that are on the table at this stage, and the steps that can be taken to resolve these issues. The workshop proceedings are available on the [FIRE workshop web page](#). The **FIRE workshops during the IoT Week 2015** in Lisbon, Portugal, on 16-18 June 2015 focused on two topics: “How will FIRE support the Large-Scale Pilots needs and the Research platforms?” and “Large-Scale IoT needs vs. FIRE IoT available offerings and Value”. The full report and presentation slides are available on the [FIRE IoT workshops website](#).

In the end of June, one of the core FIRE CSAs - the **CI-FIRE project - has finished**. The ultimate goal of CI-FIRE was to help establish mechanisms to translate outstanding research results into innovation to boost European competitiveness and to foster new multidisciplinary experimental research and the implementation of sustainable business models for FIRE facilities. CI-FIRE set out to change this by providing an innovative business framework and establishing a model collaboration with EIT ICT Labs and its FanTaaStic Broker Service and collecting success stories. **AmpliFIRE will have an extension till end of 2015**. During the extension period AmpliFIRE will continue to facilitate the FIRE Community and FIRE Board & the Dissemination and Communication Working Group, send Newsletters, maintain the FIRE web and support FIRE projects in the ICT 2015 dissemination.

In turn, five new FIRE facility projects of the CALL 1 / ICT11-H2020 focusing on development of a strategic experimental infrastructures, that started this year are now online: [FIESTA](#), [MONROE](#), [ORGANICITY](#), [RAWFIE](#), and [WISHFUL](#). To find out the FIRE success stories and information how to get access to FIRE facilities together with the FIRE project descriptions, check FIRE brochure 2015 and other [FIRE publications](#).

Keep in contact as the projects will offer several funding opportunities 2016 and 2017. Also the **Fed4fire, CREW and OneLab continues to offer Open Access**, for the usage of their facilities free of charge. [Read more...](#)

More about FIRE news in the [FIRE Newsletters](#) and see [FIRE events](#).

FIWARE

Most Open Calls of FIWARE Acceleration programme has been closed, however, the Phase 3 of FIWARE open initiative continues boosting FIWARE usage.

A few remaining open call can be found at <http://www.fiware.org/accelerators/>. For example, there are four open accelerator calls: [CreatiFI](#) designed to bridge the innovation gap between European Creative Industries and other regions in the world, while also boosting Europe's unique strengths of cultural

diversity, which define its creative output, [INCENSE](#), focused on energy and clean technologies, [SOUL-FI](#), with topics on smart cities and sustainable mobility (deadline of these three on **30th September, 2015**) and [CEED Tech](#) addressing the domains of Smart Cities, Energy & Environment, Media & Content, Manufacturing & Logistics (**deadline end of October, 2015**). [IMPACT](#), an accelerator focused on mobile based solutions, opens its new and last call next 15th September.

Now the FIWARE programme focuses on initiatives contributing to the sustainability of Future Internet Public-Private-Partnership (FI PPP) and FIWARE.

In the beginning of March 2015 [at the 4YFN in Barcelona](#), [Telefonica](#), [ORANGE](#), [ENGINEERING & ATOS](#), [announced joining forces](#) to support those who are working in FIWARE platform through the **establishment of a Foundation for FIWARE** committed to deliver commercial offerings and provide their support to the establishment of an open source community around FIWARE. Few days later in the context of the Mobile World Congress, [Telefónica I+D and the Korean operator KT have announced](#) a strategic partnership to promote the adoption of FIWARE technologies.

CeBIT 2015 conference brought two more important announcements. On 16 of March the [launch of Open & Agile Smart Cities \(OASC\) initiative has been announced](#). Signed by 31 cities from Finland, Denmark, Belgium, Portugal, Italy, Spain and Brazil, the initiative aims to kickstart the use of FIWARE standards to foster the development of Smart City applications and solutions. The [2nd Wave is now open](#), with more than 25 new cities from 10 countries lined up. Signing deadline to join the initiative is August 31, 2015. In turn, SpeedUP! Europe FIWARE accelerator HUB and DTS Systems Germany signed, also at the CeBIT 2015 event, an agreement to operate the first commercial FIWARE node designed for use in the productive environment of the European Initiative FI-PPP.

Incubating Internet Innovation Hubs (I3H) is a project born out of the collaboration between [EIT Digital](#), [FI-PPP/FIWARE](#) with the aim to create a European network of Internet Innovation Hubs. A group of 13 Hubs have been selected to become Internet Innovation Hubs and new members of the I3H network, chosen from the first open call. Second open call was open until March 31st, 2015. [iHub.eu](#) is a network of business incubators-accelerators throughout Europe, covering almost every region of the continent and even beyond based on the I3H project.

On 23 March, a FIWARE Mundus delegation, with the participation of Peter Fatelnig from the European Commission, attended several meetings and the "Beyond Today's Internet: Experiencing a Smart Future!" **summit in Toronto, Canada** to speak with representatives from Canadian public authorities and research initiatives about potentially [use of FIWARE together with local Canadian platform](#).

Recently, [FIWARE also strengthens its presence in Latin America](#). The initiative [attended Campus Party México 2015](#) to present the new FIWARE node that is to be open and that will become the biggest node in Latin America. This node was presented earlier that week in Mexico D.F. in collaboration with Infotec and the Mexican 1Technology Platform (MTP). This will allow Mexico, as Juanjo Hierro stated during Campus Party, to be the first Latin American country to deploy FIWARE and its acceleration programmes.

The FIWARE accelerator ([FRACTALS](#)) has a currently running challenge called the [Smart Urban Farming Challenge](#), encouraging web developers to create innovative services and solutions addressing the challenges in urban farming. Please note the **deadline is 25th of September, 2015**.

The [FI-Links](#) project (Linking FI Globally) has officially become the FIWARE ecosystem element known as [FIWARE Mundus](#), which is supporting the process of evolving the FI-PPP to a worldwide audience of Internet innovation by taking into account the specific business requirements of both large European industries and SMEs, supporting the adoption of the FI-PPP in non-covered EU regions and beyond, and validating the long-term vision of FI-PPP. More details on the successes to date of FIWARE Mundus can be found at their [web site](#).

For more detailed information on FIWARE, please follow [FIWARE news](#) and [FIWARE blog](#).

5G-PPP

On the 1st of July, 2015, [Europe launched a 3.5 Billion investment in 5G](#). The first phase projects of the 5G-PPP (European 5G Infrastructure Public Private Partnership (5G-PPP)) were started with a joint meeting organised in Paris. The first call for projects of a 3.5 Billion investment in 5G held at the end of 2014 has resulted in 19 projects being selected addressing a rich cross section of the research challenges leading to a 5G infrastructure by 2020. Predictably, the majority of the projects are focusing on radio and wireless technologies to find ways to maximize the efficiency of the wireless interfaces, optimize the use of scarce resources – such as spectrum and energy – and dramatically increase the throughput capability of the infrastructure. The 5G Infrastructure Association, the private side of this public-private partnership, in collaboration with the Network2020 ETP community, has already started working groups on key items such as pre-standards, spectrum requirements, and maintaining a 5G Vision to guide the work. The 5G-Vision work group held a workshop in Paris on June 29, 2015, co-located with [EUCNC'15](#).

The EuCNC'15 “5G, Shaping the Vision” provided insight and results from EU funded research and innovation at the leading edge of the 5G global developments. The videos from the plenary sessions, including a lot of 5G related topics are available at [EuCNC website](#).

Moreover, earlier this year, two MoUs for 5G were signed, on March 2 in Belgium between the [4G Americas and 5G PPP](#) initiative and on March 25 in Frankfurt, between [5G Infrastructure Association and the 5GMF](#) (5G Mobile Communications Promotion Forum Japan). Also, the 5G Infrastructure Association released a [vision paper](#) on March 3, 2015 at the Mobile World Congress 2015 in Barcelona.

NEM – NETWORK2020 WORKING GROUP

As reported in the last newsletter (V2), the two European Technology Platforms (ETPs), [Networld2020](#) and [NEM](#), have joined forces in a dedicated working group in order to align the developments of their strategic research and innovation agendas. Their work has progressed well and a draft version of the position paper is completed and their next F2F meeting will be held on 30th September, 2015 at the premises of Orange Labs in Paris. For more information on the joint WG, please contact Pierre-Yves Danet at [pierreyves\[DOT\]danet\[AT\]orange\[DOT\]com](mailto:pierreyves[DOT]danet[AT]orange[DOT]com).

UPCOMING EVENTS

Most important Future Internet and 5G related events planned in the coming weeks:

Annual privacy forum 2015	7-8 October 2015	Luxembourg
ICT 2015 Conference	20-22 October 2015	Lisbon, Portugal
The Austrian IoT Day 2015	4 November 2015	Vienna, Austria
ECFI 3	4-7 November 2015	Hamburg, Germany
Smart City Expo	17-19 November 2015	Barcelona, Spain
ICIN 2016	1-3 March 2016	Paris, France

More information on Future Internet related events at <http://www.cefims.eu/events/>

If you would like to add events to the ceFIMS-CONNECT portal, please email to the contacts below.

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