

FI-Media participates with the EU delegation on Future Internet PPP and Smart Cities Lab through FIWARE forum and 2nd Smart Cities India Expo 2016.

On May 11th, 2016, the FI-MEDIA project, in conjunction with a distinguished team from the EU, led by Mr. Olaf-Gerd Gemein, actually chairing the Steering Board of the Future Internet PPP (fi-ppp.eu) and Co-Founder of the Smart Cities Lab, organized a follow up session to their C2C on [Bringing FIWARE to India in the setting of Smart Villages/Cities.](#)

The networking sessions was co-located with the [2nd Smart Cities India 2016 Expo](#) being held 11-13th May, 2016 in New Delhi, in which [FIWARE](#), the EU's Open Technology Platform, was being presented.

The purpose of the networking meeting was to identify interested business partners in India and to explain the FIWARE technologies involved and benefits in more detail and talk about the establishment of real business opportunities in areas related to Smart cities and FIWARE, and to explain a strategy for a follow-up consisting of a larger group coming to India in the autumn (1.-7. November, 2016) showcasing the potential of Smart Cities solutions with FIWARE.

India is on the way to speed up the process of becoming a smart country. The actual ambitious Smart Cities program paves the way towards a better quality of life for 100+ Million Indians in the next three years. Starting with 20 cities in 2016, the next wave of 45 cities will join the program in 2017. The preconditions are tremendous: India is the world's largest democratic country and have proven its capability towards innovation and flexibility. The momentum today is coasting towards fast implementation, and initiatives like these will raise awareness and act as role model for the cities. International experts have co-designed the programs with various ministries in India working in close cooperation, as the local adoption is crucial for ultimate success. FIWARE have proven to be the platform of choice for Smart Cities, not only in Europe, but in other countries like Brazil.

WHAT IS FIWARE

FIWARE is an **open software platform** for the creation of innovative **Cloud-based applications and services**. It brings both **powerful and easy to use modules** that allow developers to quickly and cost-effectively build their applications. Development of **context-aware applications**, which connect to the Internet of Things, carry out **real-time processing of data and content**, perform **BigData analysis** or incorporate advanced user interface capabilities has never been so easy, saving developers time and effort.

FIWARE components provide **APIs that are public and royalty free**, supported by open source reference implementations. Its open nature allows **FIWARE providers** emerge faster in the market, activating the kind of competition and freedom of choice that are essential for innovation and growth.

But FIWARE isn't just about technology: it's a growing community, a truly **open innovation ecosystem** engaging entrepreneurs, developers, data providers, cities and users from all over the world.

Cloud
IoT
Apps/Data Delivery
Data/Media Content Management
Advanced Web-based UI
Security
Advanced middleware and interfaces to Networks and Devices

FIWARE FOR SMART CITIES

FIWARE brings an open standard platform and a sustainable ecosystem, therefore it represents the ideal solution for Smart Cities. Cities can publish their open data on the online FIWARE sandbox, FIWARE Lab, which is then available for developers to create applications using standard FIWARE APIs. This way FIWARE Lab becomes a meeting point for cities and talented web entrepreneurs who can showcase cities applications supporting a more efficient management of services or bringing new innovative services to citizens.

1 Avoid vendor lock-in, reduce costs

Working with FIWARE both cities and web developers gain two major advantages: on one hand, thanks to FIWARE's open approach, they avoid vendor lock-in and can choose not only who will operate their applications but also who hosts their data. On the other hand, smart city applications developed and tested in one city can be ported and adapted to other cities, which means scale opportunities for developers and lower costs for cities.

2 Transform your city into an ICT enabler for innovation and economic growth.

At FIWARE we believe that Smart Cities should go beyond offering more efficient municipal services. Making a city "smart" means turning your city into an innovation platform, a driver for economic growth and well-being.

With FIWARE cities can achieve this transformation without changing their existing infrastructures. Data can be gathered from their current systems, from applications developed by third parties or contributed by citizens. By collecting this context information at a large scale cities lay the foundation of creating an application that is context-aware. But data by itself is of no use: the next step is to make the most of that data, so that applications can exhibit a smart behaviour. And that is where FIWARE provides all the tools necessary for it to unleash its potential.

3 Towards a standard model for Smart Cities

In an effort to transform cities into engines of growth and innovation, both cities and the private sector have launched initiatives leading to standardized APIs and data management models. The enterprises Telefonica, Orange, Engineering and Atos have been pioneers in announcing their commitment to create a **FIWARE Open Source Community** aiming to support the evolution of standards for Smart Cities. This commitment, announced in Barcelona during 4YFN (Mobile World Congress), is but the first step of a path that must also be followed by cities themselves.

To this effect, **thirty-one cities from seven countries** (Finland, Denmark, Belgium, Portugal, Italy, Spain and Brazil) have also launched the **"Open & Agile Smart Cities"** initiative, targeted to accelerate the adoption of common standards around FIWARE that will radically change the way in which citizens live and coexist. Achieving commitments both at a public and private level is extremely important if we really want to walk towards a standard model for Smart Cities.

Would you like to be the next city to join us? Please, write to fiware-smart-cities-reg@lists.fmw.org

Learn more at: www.connectedsmartcities.eu

Find more information:

FUNDING FOR SMART CITY BUSINESSES

There are even more incentives for embracing FIWARE. The FIWARE Accelerator Programme is dedicating **80 million euros in funding and support for SMEs and web entrepreneurs** that develop their projects with FIWARE. Out of 16 accelerators 8 of them are specialized in promoting Smart City Applications! Connect with the large talent pool of entrepreneurs that are working on FIWARE!

OASC City Map: India is the next step



The OASC (Open & Agile Smart Cities Initiative) is bringing together various city clusters aiming to collaborate in the the deployment and smart usage of the FIWARE platform for smart cities. See actual video -> <https://youtu.be/p0dSlzhZZow>

The participants on behalf of the FI Media project included Cluster to Cluster (C2C) representatives from IIT Delhi (FI-MEDIA partner), Beyond Evolution Tech. Solutions (Gurgaon, FI-MEDIA partner), Orange Labs (New Delhi), Forthcode Technologies (Bangalore), Voxomos Technologies (Noida). The EU team was comprised of representation from the Steering board of the Future Internet PPP, co-founder of Smart Cities Lab, Olaf-Gerd Gemein, who opened the session with, „*Let’s take advantage from global democratization of expertise in the FIWARE eco-system. The process is of collecting knowledge from all societal stakeholders to put it to the test in solving contemporary challenges, in order to customize local solution.*“

Smart Cities Lab India combines global expertise, specific know-how and technical implementation of a service-, product-, and application portfolio, based on generic open source components to avoid vendor-lock-in. The Lab integrates all stakeholders along the value chain powered by FIWARE, integrating "us" technically and operationally in the existing technical structures (agnosticism) and provision of smart solutions for the requirements of today and tomorrow.

The FIWARE team from Europe was also represented by Rahul Tomar (right), CTO of a developer team in Germany for smart urban logistics solutions, co-funded in the acceleration phase 2015.



Also, Dr. Faizan Mohhammad (left), founder of comfnet, an SME acting to matchmake potential interests from Europe with India in the FIWARE Eco-System, and leading the scientific collaboration task.

Furthermore, Dr. Giuseppina Pavesi (right) joined the delegation as expert for Public Private Partnerships, frequently involved in European Commission public grants as reviewer and evaluator and former CEO of an industry partner in India.



Mr. Abhishek Sharma of Beyond Evolution Tech. Solutions (left) gave an explanation of the FI-MEDIA project, including its objective, deliverables and the present status, emphasizing upon the approach to the desired cluster 2 cluster (C2C) partnerships including research and industry, which brings a strong synergy to work together with the FI PPP framework. This talk led to a good degree of appreciation of the project's goals amongst the participants present there. There were also exchanges on the utilization of FIWARE and they too were well appreciated. This led to general consensus on supporting the FI Media objectives of creating a C2C cluster on Bringing FIWARE to India in an Smart Cities / Smart Villages setting, along with the business interests of the FI PPP team.

The Orange Labs India representatives also presented their support of carrying forward the FIWARE awareness and utilization campaign in India with the support of FI Media and FI PPP partners.



Prof MP Gupta's (left) proposal of organising an awareness raising / education based event at IIT Delhi, in the timeframe of September-

October 2016, was also shared and it was well taken as a good prelude to the larger showcasing roadshow event during 1.-7. November, 2016.

On 12th May 2016, Prof MP Gupta and Mr Abhishek Sharma, took part in the Smart Cities India 2016 Expo (right), which included a dedicated Future Internet session, in which Mr. Olaf-Gerd Gemein was one of the speakers (below). This participation enabled the further spreading of the message of C2C clustering within FI Media with the delegates of the Conference.



Mr. James Clarke, of Waterford Institute of Technology, coordinator of the FI-MEDIA project, concluded that the coming together of participants from FI-MEDIA project, FIWARE Mundus, the Future Internet PPP and Smart Cities Labs will enable greater momentum of the take-off of FIWARE in India, in particular, within the important business setting of Smart Cities, including Smart Villages.