IMPACT project has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 632828

FI-WARE
Open APIs for Open Minds

WEBINAR #1

Technology for IMPACT projects: an overview


INTRODUCTION
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This Webinar

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What is IMPACT?

If you came this far, **you already know what IMPACT is:**

- IMPACT is one of the 16 FIWARE Accelerator Programs selected by the European Commission, in the framework of the Future Internet Public-Private Partnership Programme (FI-PPP), which is part of the EU's Seventh Framework Programme (FP7)
- IMPACT will contribute to the promotion and early adoption of FIWARE Technology by supporting projects focused on **mobile technologies**; i.e. mobile apps or business models based on mobility in the *communications areas, social, video, media & advertising; design, education, entertainment, ecommerce, peripheral devices, content, connected TV, infrastructure, security, productivity, finance, smart cities and social networks*
- It is made up of ISDI, Buongiorno, Teknologiudviking ApS, Seaya Ventures and a network of entrepreneurs and well-known professionals of the digital European ecosystem

What is IMPACT?

IMPACT has **four straight objectives**:

- Accelerate at least 64 European start-ups focusing on Mobile Internet
- Subsidize each start-up up to 100,000 euros without equity consideration whatsoever investing a total of 6,400,000 euros in 2-years time
- Provide Premium Acceleration Service during 6 months consisting in Training and Mentoring under the guidance of key world class digital ecosystem professionals and entrepreneurs
- Manage the most promising start-ups towards the Extended Investment Phase with Business Angels and first class global Funds

What is IMPACT?

And stands on **two thorough values**:

- **Transparency**. We work with open models where the processes are visible and where we all work towards a common goal. Creating an open and independent ecosystem contributes to promoting the IMPACT
- **High performance**. High demands on quality and requisites on accelerated projects and start-ups, urging them to be enthusiastic and daring, but not only towards ourselves, but to the mentors, the assessors and to the committee members as well. Intense pace, execution and determination are our key factors to IMPACT

If you want to know the details, this press release can come in handy

Technology for IMPACT Projects: FIWARE

If you want to participate in IMPACT and have an eligible project at hand, you probably already know that there is an important requirement for you to meet:

Those selected must be committed to:

Use **FI technology**: FI-Ware and/or FI-Content

Yes, indeed, your project needs to make use of FIWARE **technology** in order to be eligible

Technology for IMPACT Projects: FIWARE

FIWARE is a requirement, true, but this would be too straight of a vision. It's an opportunity and a really big benefit for your project.

Technology is key to success for projects in the digital arena, and the European Commission is fully aware of it.

FIWARE is part of a bigger European-wide strategy called Future Internet Public-Private Partnership.


FIWARE TECHNOLOGY
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FIWARE Basics

All digital projects rely on the same generic software services which are used as building blocks for the final product offered to users

FIWARE is a “toolbox” of building blocks ready to be used in your project. FIWARE blocks have been built as:

- **Open**: public and royalty-free
- **Interoperable**: independent and can be used on a per-case basis
- **Reusable**: built once, used many times

FIWARE Basics

Christoph Müller, CEO of FoodLoop, explains his own experience with FIWARE

FIWARE Basics

FIWARE blocks are called "**Generic Enablers**" and are available in the form of consumable APIs so that your application, web or mobile, can make use of their functionality within its own context and scope

What's an **API**? Check it our here. Or here.

With the help of **FIWARE enablers**, your application can gain a whole lot of features without the need to implement them yourself

Other Components

The **FIWARE architecture** comprises a number of technologies that act as complements. Together they form the **FIWARE ecosystem**, and this is where the power of the technology lies

The first and most important of these technologies is what we call FI-Lab. FI-Lab is several things:

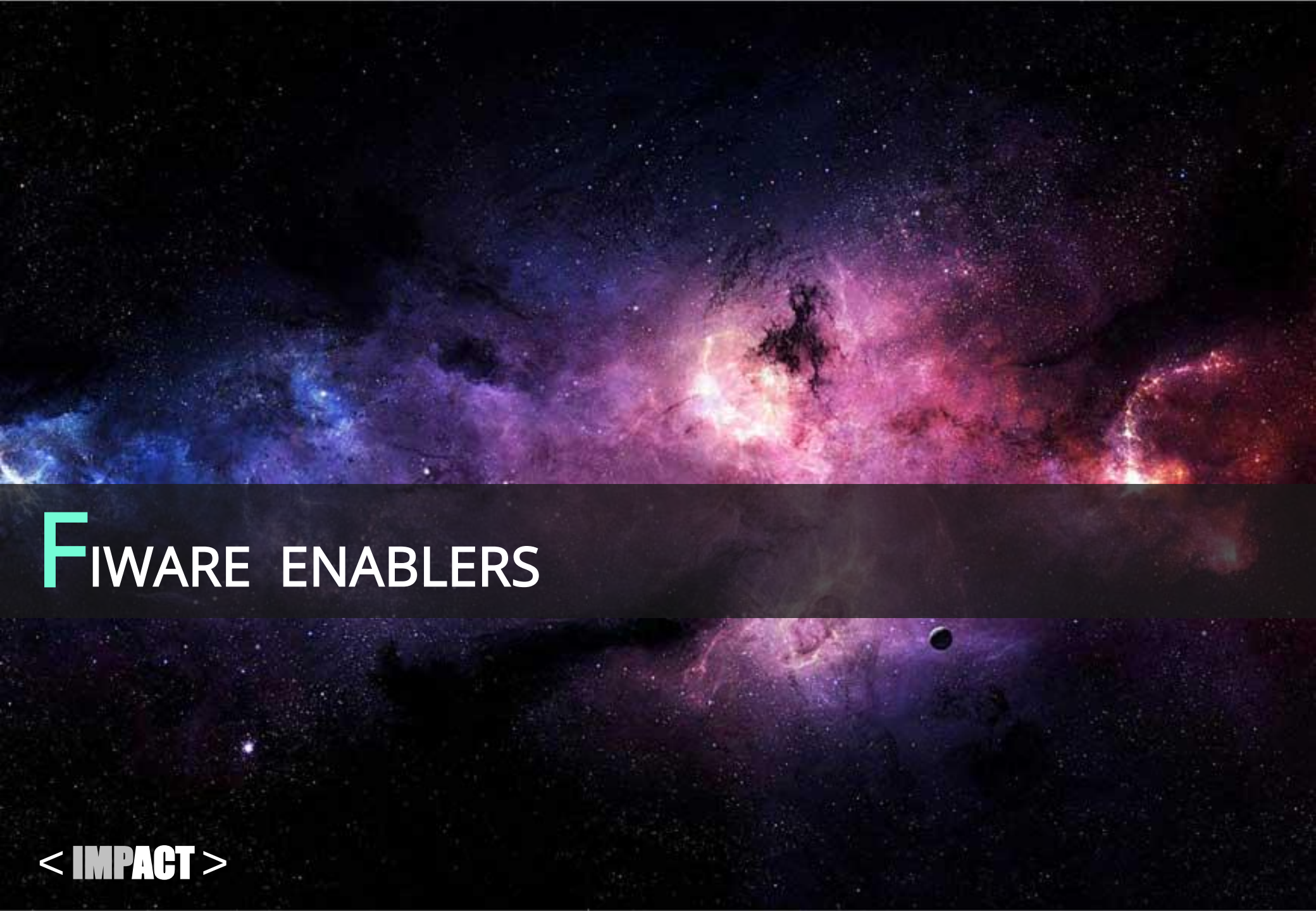
- A **working instance** of FIWARE
- A **meeting point** for everyone in the ecosystem
- A **free** resource!

Another piece of the FIWARE architecture which is somehow special for Impact projects is FI-Content

We will see these components in our next webinars

FIWARE Seen by Others

Carlos Domingo, the CEO of Telefonica R&D, gives a clarifying explanation of FIWARE at the Campus Party


FIWARE ENABLERS
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FIWARE Cloud Architecture

FIWARE is an **infrastructure** for the creation and deployment of Internet services and applications. It is based on a cloud computing structure and its goal is to become an open alternative for developers

FIWARE has a traditional cloud computing structure, so the **Generic Enablers** which make up its building blocks are organized in three main layers:

- Infrastructure (IaaS)
- Platform (PaaS)
- Software (SaaS)

Specific Enablers, most of them in the SaaS layer, will be the goal of IMPACT webinars in the near future

Generic Enablers

Generic Enablers that form the FIWARE platform are organized in traditional cloud computing layers, and linked to the following Technical Chapters:

- **Cloud Hosting**. This is the fundamental layer which provides the computation, storage and network resources in which services are provisioned and managed. Feel free to browse the Catalogue, and to learn more about this Chapter's architecture
- **Data/Context Management**. This layer includes the facilities for effective accessing, processing, and analyzing massive data volumes, transforming them into valuable knowledge available to applications. Feel free to browse the Catalogue, and to learn more about this Chapter's architecture

Generic Enablers

Generic Enablers are linked to Technical Chapters:

- **Architecture of Applications / Services Ecosystem and Delivery Framework**. This is where you can find the infrastructure services to create, publish, manage and consume services across their life cycle, addressing all technical and business aspects. Feel free to browse the Catalogue, and to learn more about this Chapter's architecture
- **Internet of Things (IoT) Services Enablement**. Constitutes the bridge where FI services interface and leverage the ubiquity of heterogeneous, resource-constrained devices in the Internet of Things. Feel free to browse the Catalogue, and to learn more about this Chapter's architecture
- **Interface to Networks and Devices (I2ND)**. In this group you will find open interfaces to networks and devices, providing the connectivity needs of services delivered across the platform. Feel free to browse the Catalogue, and to learn more about this Chapter's architecture

Generic Enablers

Generic Enablers are linked to Technical Chapters:

- **Security**. One of the most important groups, these GEs provide the mechanisms which ensure that the delivery and usage of services is trustworthy and meets security and privacy requirements. Feel free to browse the Catalogue, and to learn more about this Chapter's architecture


FAQ AND NEXT STEPS
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Let's Sum Things Up

The basics of **IMPACT technology** shall now be clear:

- To be considered for the IMPACT program, your architecture shall include the use of FIWARE technology
- By using FIWARE technology in your project and adapting it to your specific needs you will be saving time and money
- The core of FIWARE consists of a set of Generic Enablers organized in traditional cloud computing layers
- You can selectively use the GEs to fit your project's needs
- FIWARE is just the core of this ecosystem, but there are many more projects around that add value to it

In the coming weeks we'll be following up with you on IMPACT Technology

Where Do I Go From Here?

Next steps for you to follow are:

1. Check all the online information about FIWARE at reach. You can find all the links in this webinar
2. Select the GEs that are handy for your application and fit its architecture and include them in your designs
3. Setup an account at FI-Lab and start testing your developments in a live environment
4. Stay tuned for our next webinars, where we'll give you more information and tips about FIWARE and the European technology ecosystem

THANKS

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