



FIWARE Coaching for INCENSE

INCENSE/FINESCE Camp

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Bio

- Involved into FI-PPP activities since 2011

2011-2013

- FINSENY Project – FI-PPP Phase I
- Use case specification for Energy Marketplace

2013 – *ongoing*

- FINESCE Project – FI-PPP Phase II
- Energy Marketplace Trial development (Terni)

2014 – *ongoing*

- Member of FIWARE Coaches Team
- FIWARE Coach assigned to INCENSE

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 **FIWARE**
OPEN APIs FOR OPEN MINDS



Outline

- What is FIWARE?
 - FIWARE Catalogue
 - FIWARE Lab
 - Other useful resources
- Coaching activities for INCENSE SMEs
 - Mailing list
 - Upgrade to Community Account
 - What's next?
- FINESCE offer
 - FINESCE DSE Catalogue
 - FINESCE API

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WHAT IS FIWARE?

What is FIWARE? *(from user's point of view)*

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- Library of Generic Enablers

- GEs are general purpose and independent from any domain
- GE reference implementations are released under Open Source model



- FIWARE Lab

- OpenStack-based Cloud infrastructure
- XaaS – everything as a service

FIWARE Catalogue 1/2

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- Entry point: <http://catalogue.fiware.org/>



Data/Context Management

Easing access, gathering, processing, publication and analysis of context information at large scale.



Security

Make delivery and usage of services trustworthy by meeting security and privacy requirements.



Internet of Things (IoT) Services Enablement

Make connected things available, searchable, accessible, and usable.



Cloud Hosting

Provides computation, storage and network resources to manage services.

FIWARE Catalogue 2/3



Advanced Web-based User Interface

3D & AR capabilities for web-based UI.



Architecture of Applications / Services Ecosystem and Delivery Framework

Co-create, publish, cross-sell and consume applications/services, addressing all business aspects.



Interface to Networks and Devices (I2ND)

Build communication-efficient distributed applications, exploit advanced network capabilities and easily manage robotic devices.

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FIWARE Catalogue 3/3

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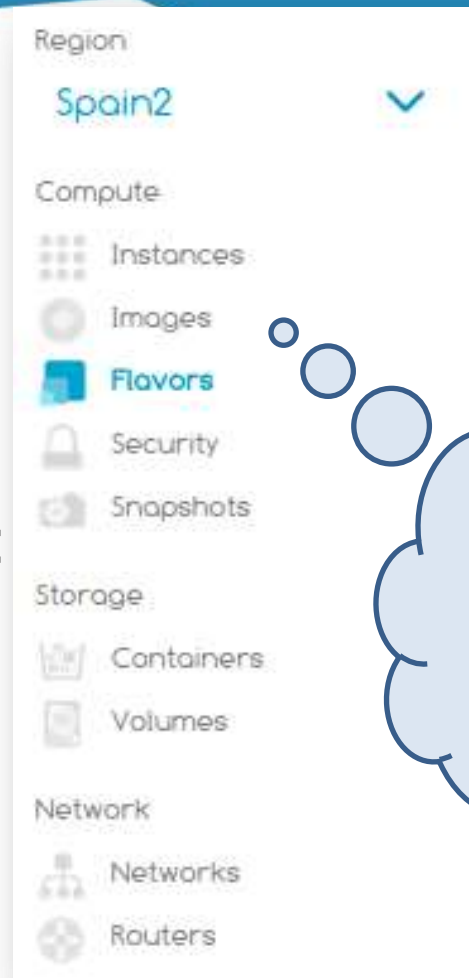
- Each GE catalogue entry contains:
 - Overview
 - Creating Instances
 - Documentation
 - Downloads
 - Instances
 - Terms and Conditions

Publish/Subscribe Context Broker - Orion Context Broker

[Overview](#) [Creating Instances](#) [Documentation](#) [Downloads](#) [Instances](#) [Terms and conditions](#)

FIWARE Lab

- Entry point:
<https://cloud.lab.fiware.org>
- OpenStack-based Cloud infrastructure to manage mainly:
 - Computing resources
 - Storage resources
 - Networking resources
- Many nodes across Europe!



Other useful resources

- FIWARE eLearning Platform @ <http://edu.fiware.org/>
 - Online courses about Generic Enablers
- Quick FIWARE Tour Guide for Developers @ <https://www.fiware.org/tour-guide/>
 - Getting started mini guides about common use cases involving one or more GEs
 - It is a very good starting point to verify your ideas about FIWARE usage

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COACHING ACTIVITIES FOR INCENSE SMES

FIWARE / INCENSE mailing list

- Mailing list where all the SMEs are subscribed:

fiware-incense-coaching@lists.fi-ware.org

- Few notes:
 - use the mailing list for any request of support about FIWARE
 - contact me if you need more people to be subscribed

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FIWARE LAB: Upgrade to Community Account

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- Update your FIWARE Lab Trial account to a Community Account!

- Evaluation of requested resources will be performed by FIWARE Team (and myself) ASAP
- Maximum quotas are (*up to now*):

VM Instances: 5	Public IP: 1
VCPUs: 10	Routers :1
Hard Disk: 100 GB	Networks: 1
Memory: 10240 MB	



What's next?

- Assessment process for SMEs about FIWARE usage
 - Purpose is to discover how SMEs / startups is using FIWARE and where to put more effort in supporting it
 - Questionnaire is under construction
 - Plan is to complete the process by the end of July 2015

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FINESCE OFFER

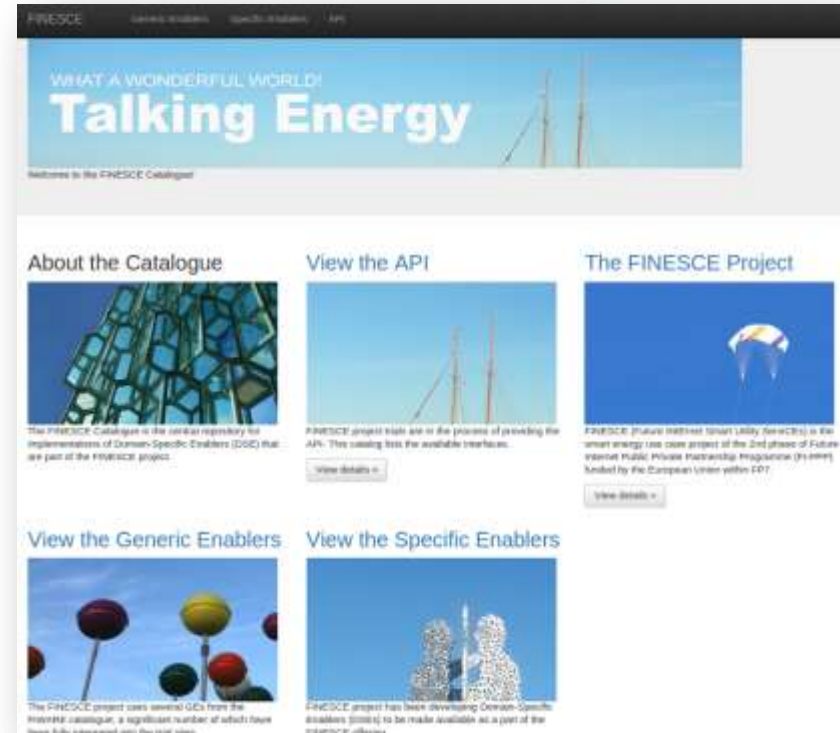
FINESCE DSEs Catalogue

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FINESCE



- The FINESCE DSEs have been packaged as stand-alone components with adequate documentation and support to allows 3rd parties to use them
- FINESCE catalogue is accessible at <http://finesce.github.io>
 - Source code moving on GitHub is ongoing!



FINESCE API

- Provide a single point of entrance for all 7 FINESCE Trials
 - quick access to energy-related data
 - not limited only to energy consumption & production monitoring
- FINESCE API documentation is available both on
 - Apiary - <http://docs.fam.apiary.io/#>
 - Swagger - <https://130.206.82.22/finesce/api/docs/>
- Access to some of the trial may need an NDA to be signed

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