

How to simplify smart energy application development with FIWARE technology

...and get funded by the European Commission

FINESCE Open Day Portlaoise, 22.09.2014





FIWARE Introduction





OPEN APIS FOR OPEN MINDS

http://www.youtube.com/watch?v=PkrAxS0HBok

Where to start: The FIWARE Catalogue (www.fiware.org)



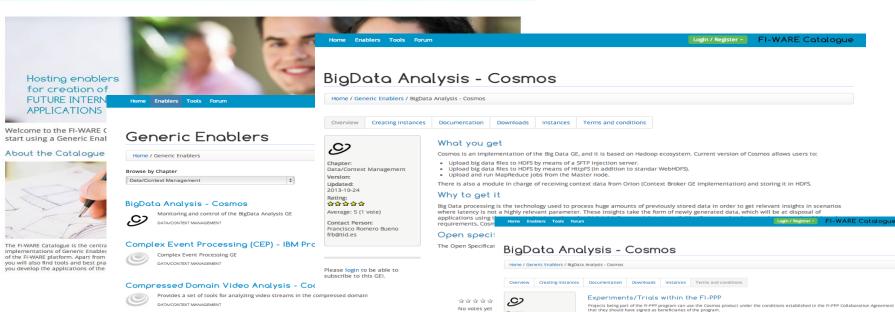
Login / Register - FI-WARE Catalogue

Login / Register - FI-WARE Catalogue Home Enablers Tools Forum

Location - LOCS

DATA/CONTEXT MANAGEMENT

Location management of mobile devices via A-GPS, CID and WIFI



enhancements is considered a derivative work of the product. Software that merely uses or aggregates (i.e. links to) an otherwise unn

FI-LAB (Open Innovation Lab)

"Instances" tab linked to this entry)

External Availability

Development, testing and experimentation of applications using:

Software associated to the Cosmos product is provided as open source under Apache License, Version 2.0. Please check the specific terms and conditions linked to this open source license at http://opensource.org/licenses/Apache-2.0. Please note that software derived as a result of modifying the source code of the Cosmos product software in order to fix a bug or incorporate

is subject to the terms and conditions established in the "FI-WARE Open Innovation Lab: Use Terms and Conditions". Any other use is not

· experimental instances deployed on the FI-WARE Open Innovation Lab facilities (see section "Experimental Instances" under the

versions of the software downloaded from resources under the "downloads" tab linked to this entry

Please login to be able to

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Average: 5 (1 vote)

Data/Context Management

Version:

0.0000000

No votes vet

Getting Started: Rolling out your FIWARE Apps

FUTURE INTERNET SMART UTILITY SERVICES



- 1. DEVELOP YOUR IDEA
- 2. SELECT ENABLERS
- 3. ACCES FI-LAB /BUILD INSTANCE
- 4. DEPLOY YOUR CLOUD VMs
- 5. DEVELOP YOUR APP
- 6. INTEGRATION & TESTING





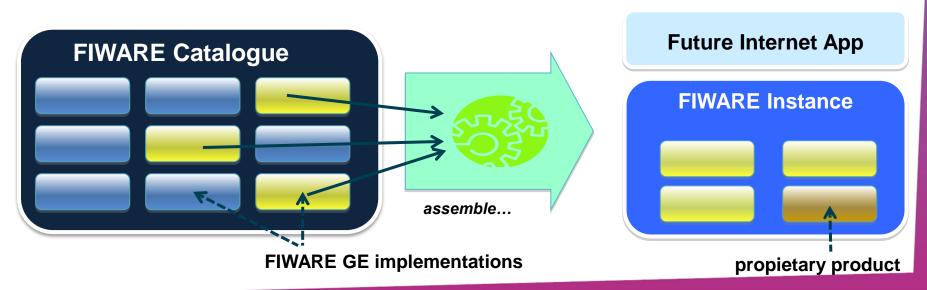


A key concept: FI-WARE Instances



Future Internet Applications run on top of "FIWARE Instances" that are built by "FIWARE Instance Providers" upon:

- selection of FIWARE GEis (products) from the FIWARE Catalogue
- assembly of selected FIWARE GEis with proprietary added-value products



Domain-specific platforms = FIWARE instance + specific enablers

FUTURE INTERNET SMART UTILITY SERVICES



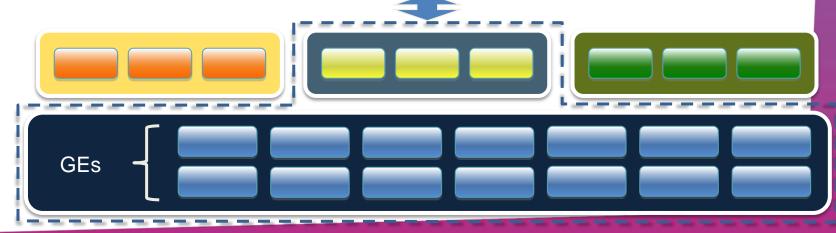






Domain specific enablers

FIWARE



FINESCE key message: Smart Energy enabled by FIWARE GEs







Energy

Future Internet offers services for:

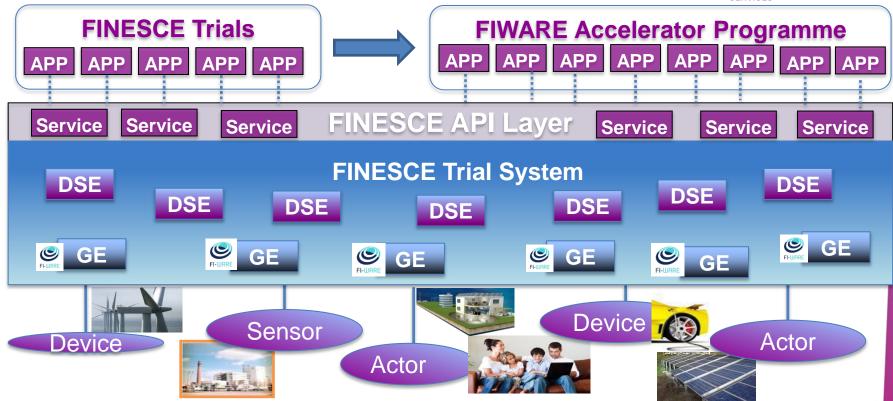
- (volatile) distributed energy producers
- (flexible) consumers and prosumers
- electric vehicles (as consumers and storage)

Benefits of using FIWARE Technology:

- lower costs for application development
- easy access for new partners
- scalability of applications
- shorter time to market

FINESCE API Layer Offers Services to Apps

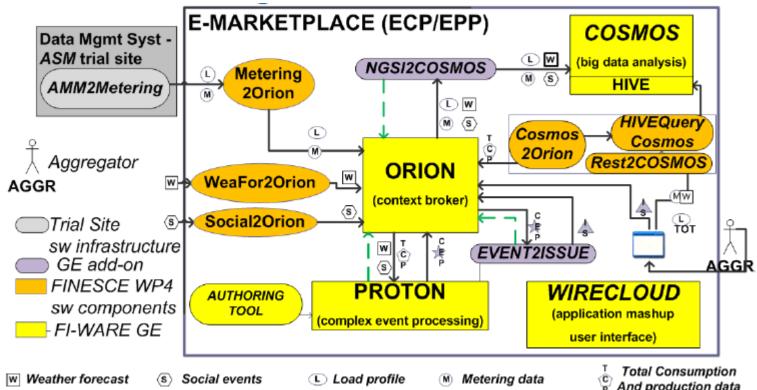




GE Integration – Madrid trial FUTURE FINESCE INTERNET CMADT Mobile Apps Developer Web Entrepreneur **SMEs** WSN External API MG External API **BCC External API** WF External API FI-WARE Platform Temporal Scene DSE Consistency **Domain Specific Enablers** DSE Paas/Cloud Publish/ Orion Identity Generic Subscriber Context Big Data Management Enablers Broker ACCIONA - Office Building (MADRID) Wireless Sensor BCC (Building Control Network MicroGrid Weather Forecasting Center) Sub-Metering Information Modbus/ **CANBUS** Battery IP DataLogger Management Services BMS Metering System Data Base Data Base Data Base



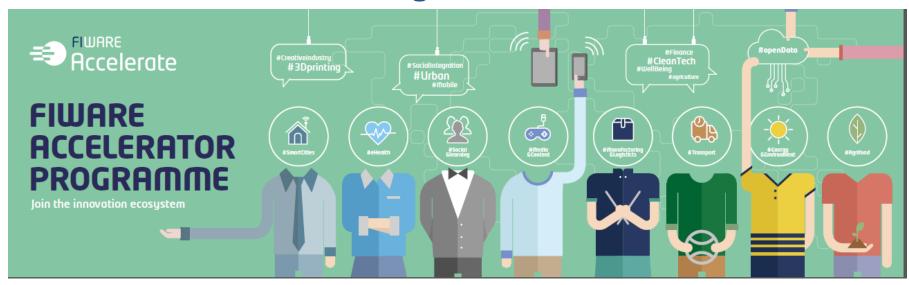
GE Integration Terni Trial



And production data



FIWARE Accelerator Programme



http://www.fi-ware.org/



Thank you for your attention!

