

How to simplify smart energy application development with FI-WARE technology

...and get funded by the European Commission

Smart Grids Stakeholder Group Graz, 20.05.2014







FI-Ware Introduction

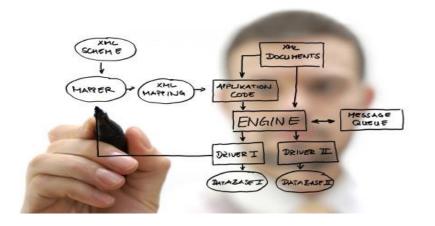


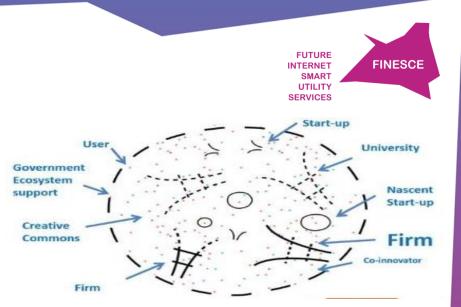


http://www.youtube.com/watch?v=PkrAxS0HBok



FI-WARE and FI-Lab





Technology

A true open innovation ecosystem





3

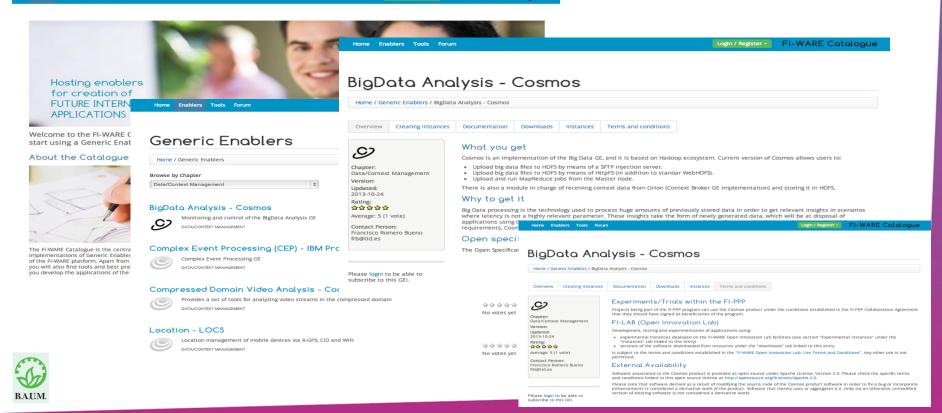


Where to start: The FI-WARE Catalogue (http://catalogue.fi-ware.org)



Home Enablers Tools Forum

Login / Register - FI-WARE Catalogue



Getting Started: Rolling out your FI Apps

FUTURE INTERNET SMART UTILITY SERVICES

FINESCE

- **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

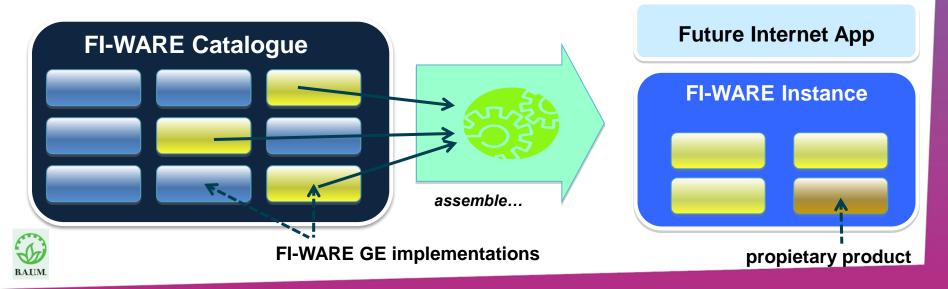
Future Internet Applications run on top of "FI-WARE Instances" that are built by "FI-WARE Instance Providers" upon:

- selection of FI-WARE GEis (products) from the FI-WARE Catalogue
- assembly of selected FI-WARE GE is with proprietary added-value products

FUTURE

INTERNE

FINESCE





FI-LAB: the meeting point where a new Open Innovation ecosystem will be boosted



Application sponsors (business, cities, etc)

- Connect to entrepreneurs
- Put their data at work
- Visibility, promotion
- Costs saving
- Better service to customers



FI-L m

Added value to just the technology

Connecting to entrepreneurs: Revenue-

FI-WARE Technology Providers

sharing opportunities

Entrepreneurs, Developers

- Ability to test with real data
- Ability to run trials with real users
- Visibility, promotion
- Hosting of permanent showcase
- Connection to potential customers
- Acceleration of product development
 - 100 M€ of funding devoted to entrepreneurs in phase 3 of the FI-PPP
 - 16 accelerator projects proving open calls
 - Start September 2014 in Munich



"European Conference on the Future Internet (ECFI)" in Munich at September 17th

- Get an overview about the technical progress of FI-WARE and experience pilot applications
- Get all information to participate in the Open Calls of Phase 3
- Main Event (Technical University of Munich)
- Evening Event (Hofbräuhaus)
- Techno Brunch (BMW World)



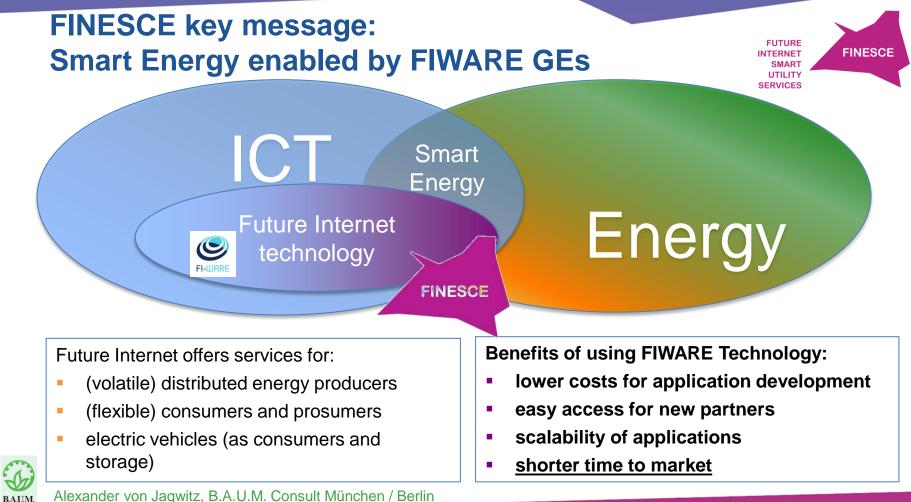




FUTURE

INTERNET SMART UTILITY SERVICES FINESCE





FI-PPP Phase I: FINSENY's 4-Step Approach

FUTURE INTERNET SMART UTILITY SERVICES

FINESCE

1. Scenario description

Identify use cases and actors (market roles as well as systems & devices) according IntelliGrid method

2. ICT requirements

Define requirements for communication & information flows as well as services and middleware. Discriminate **Generic** and **Specific** requirements.

3. Functional Architecture

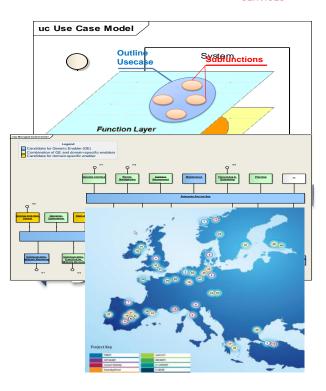
identify key functional building blocks and interfaces, specify data models and communication protocols

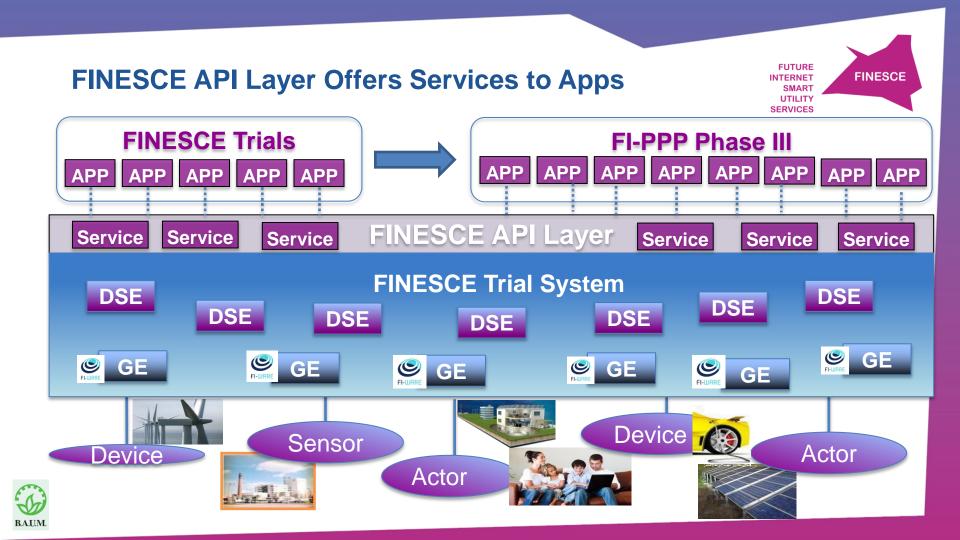
develop ICT architecture based on $\ensuremath{\textbf{Generic}}$ and $\ensuremath{\textbf{Domain}}$ $\ensuremath{\textbf{Specific}}$ enablers

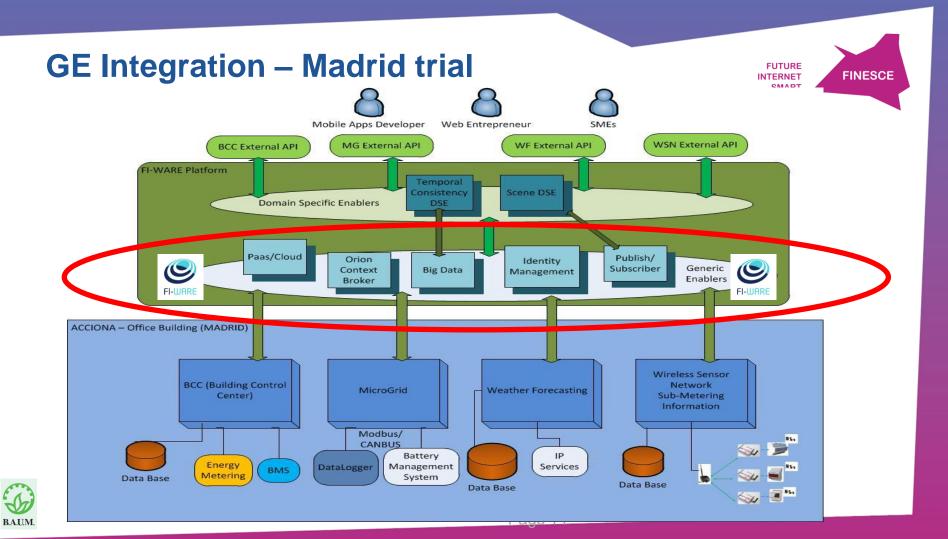
4. Trial candidates

BAUM.

identify trial candidates taking into account relevance, trial setup and reuse of existing trials

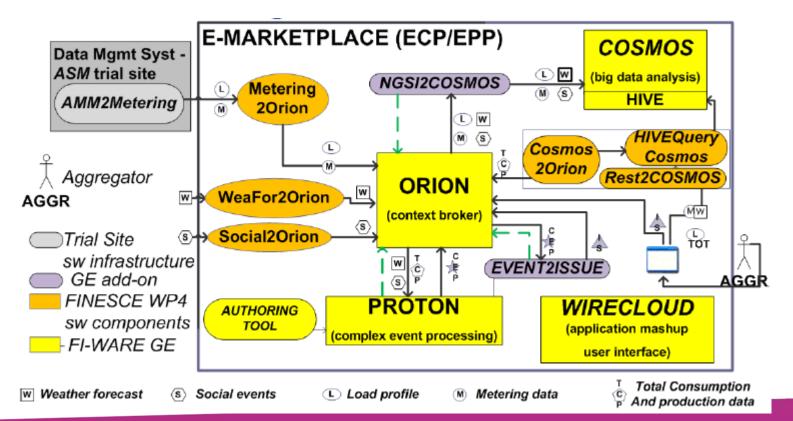






FUTURE INTERNET SMART UTILITY SERVICES

GE Integration Terni Trial



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Thank you for your attention!





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