



# THE CORE PROJECT

What is the Core platform?



An empty placeholder?

Or rather...



**The core of the PPP?**

# Our objective



# What services?



## Future Internet Core Platform

**Provisioning – Hosting – Brokering – Consumption**



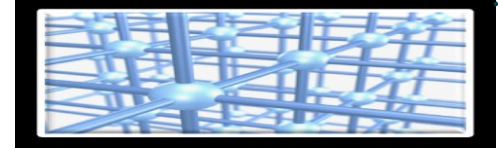
**App/Services ecosystem and delivery framework**



**Internet of Things**



**Cloud Hosting**



**Interface to Networks**

# Our (real) objective



# Some figures and data



## Main data

26 partners

5 Universities

4248 Person Months  
(excl. open calls)

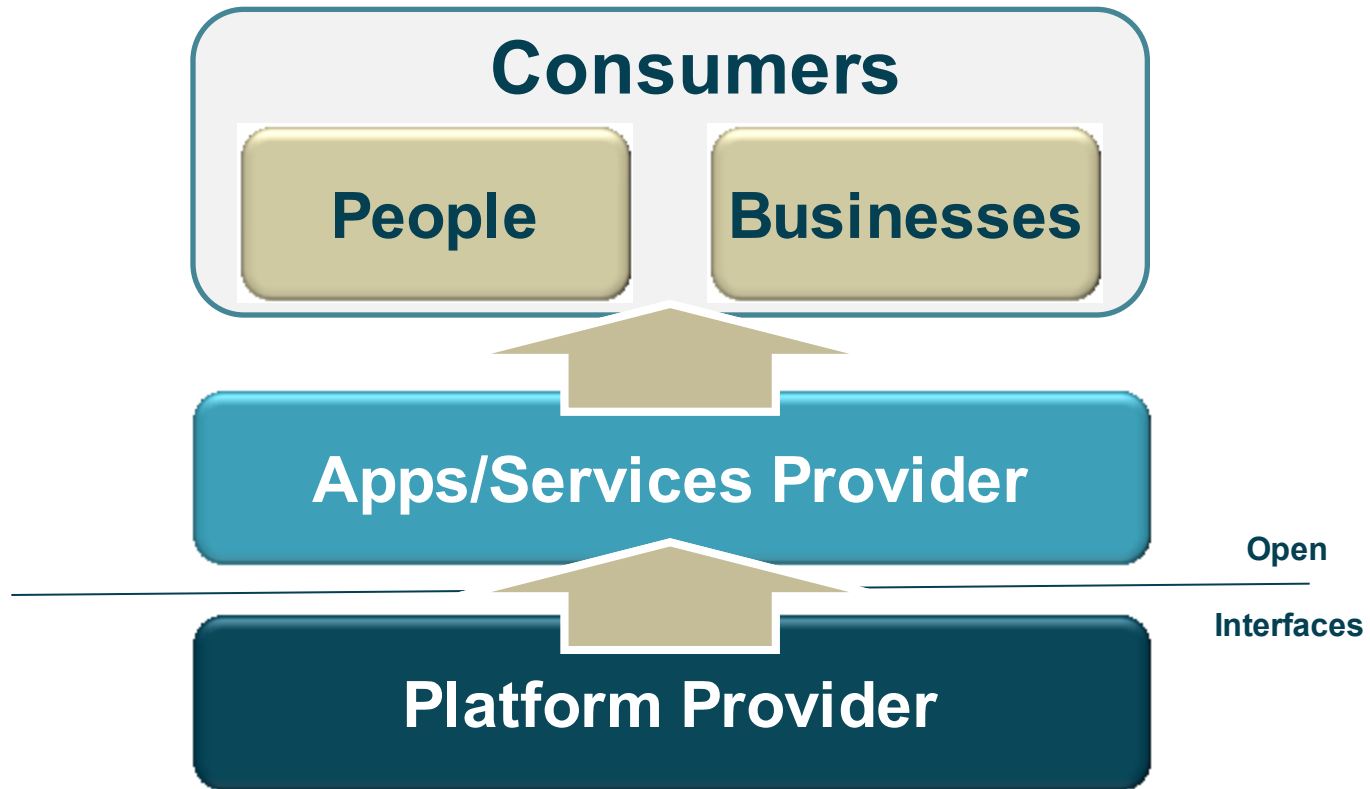
Total Funding 41 M€

Open calls 12,3 M€

Total budget 66,4 M€

Three years duration

# Driven by developers needs



Provide “Generic Enablers” to the usage areas...and beyond



# In collaboration to Usage Areas



FI-WARE platform will serve objectives of usage areas and will have the ambition of fulfilling the needs of a broader market



Smart city  
(OUTSMART)



Content  
(FI-CONTENT)



Energy  
(FINSENY)



Traffic and Mobility  
(Instant Mobility)



Agriculture  
(SmartAgrifood)



Safety  
(SafeCity)



Logistics  
(Flnest)

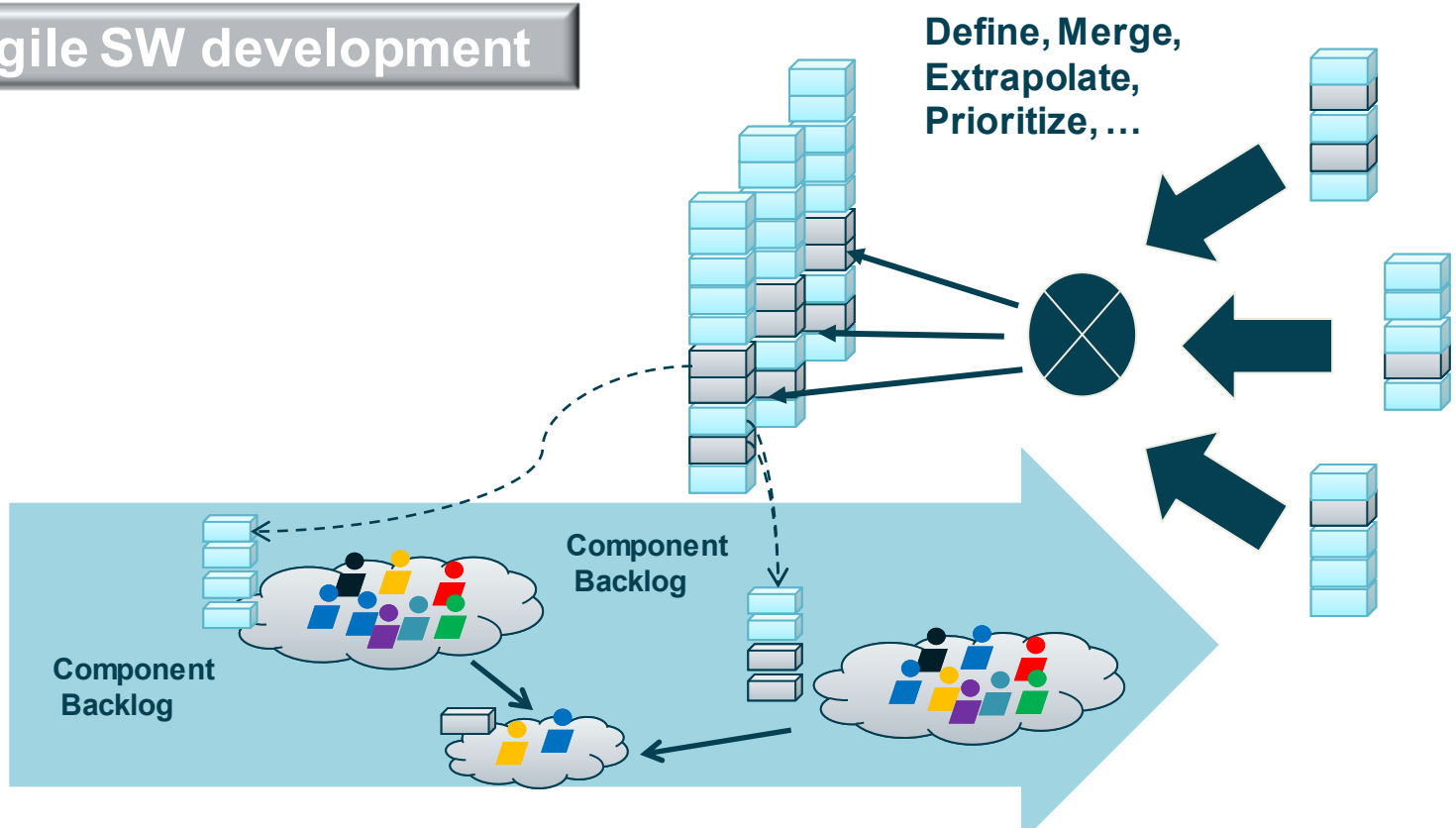


Environment  
(ENVIROFI)



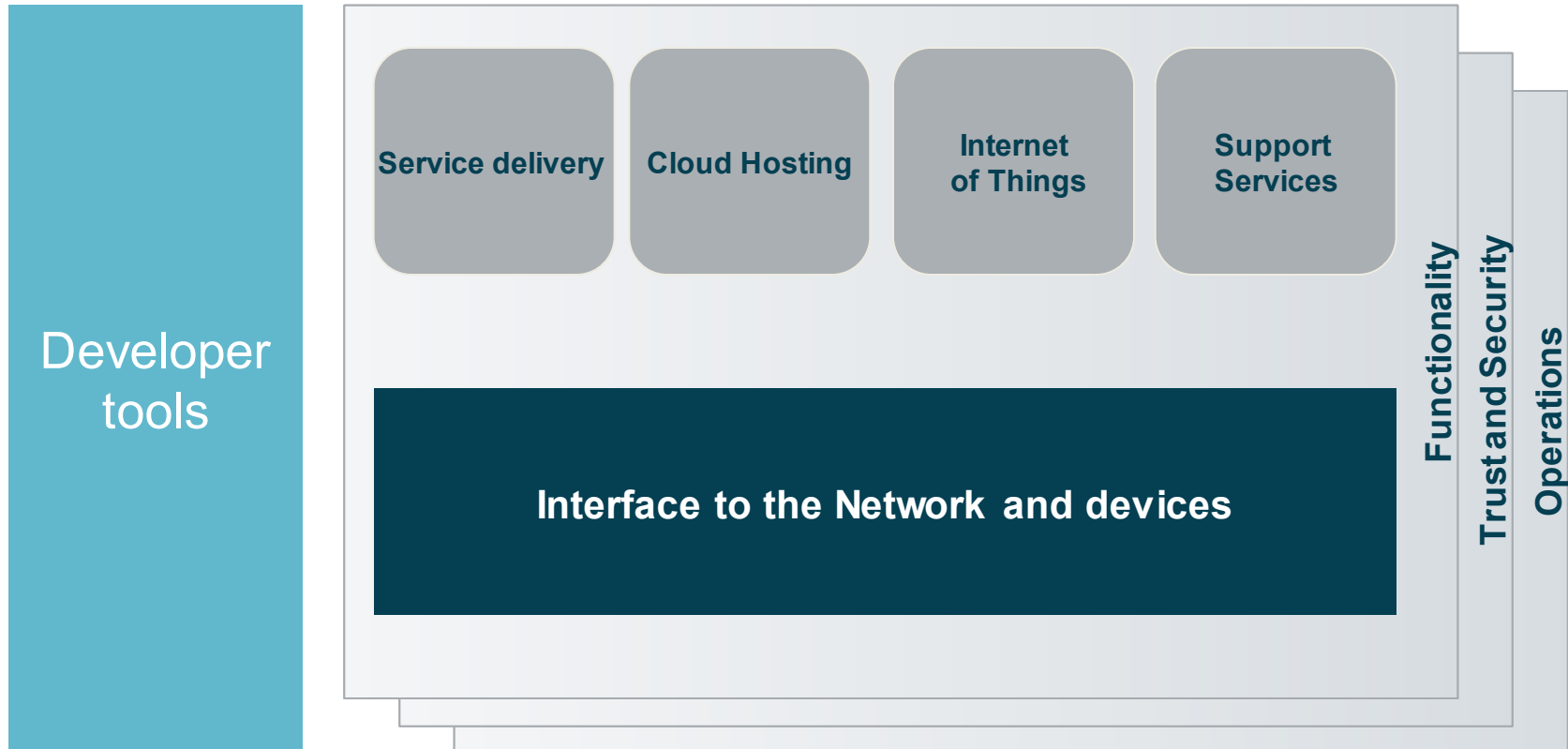
# How this collaboration is going to proceed?

Agile SW development



Using a common backlog for MPL and Usage area project

# FI Core Platform Architecture: main chapters



# Service delivery



**Objective: Provision, Composition and delivery of services**

Application and service ecosystem and delivery framework

**Multi channel multi service access**

**Composition and mash-up**

**Business Framework**

**Registry and repository**





# Cloud Hosting

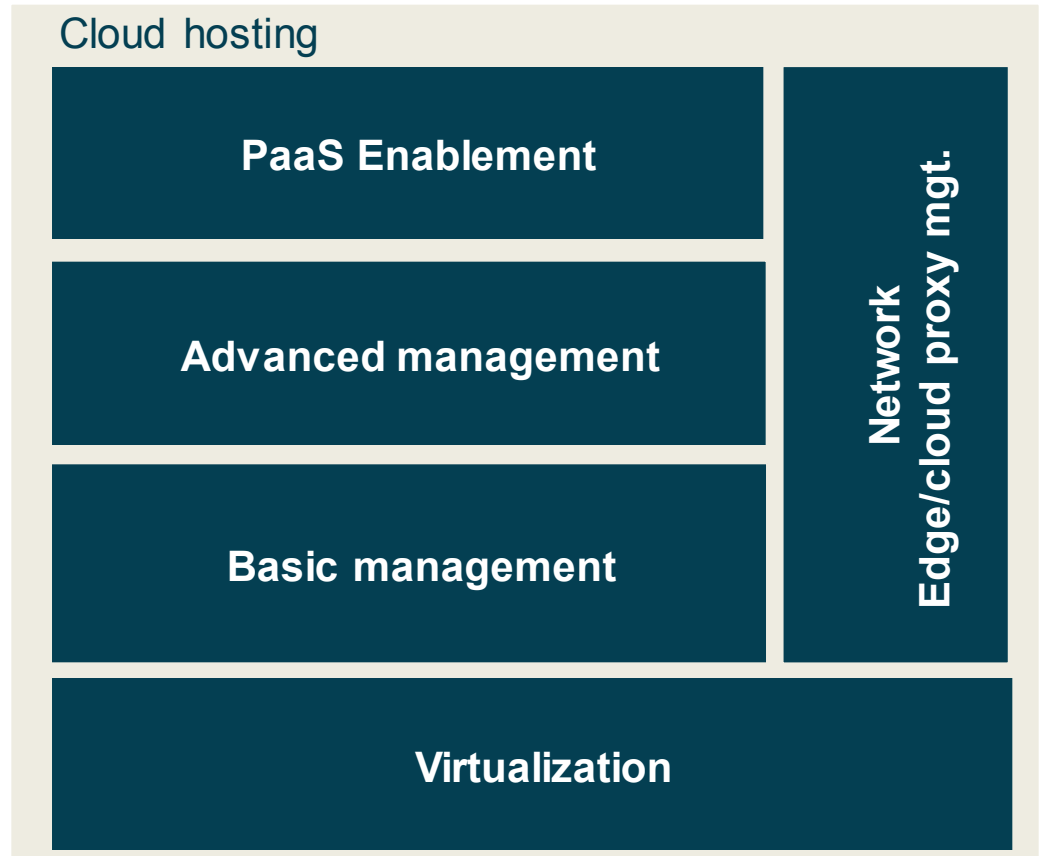


**Objective: Handle the provision of computation, networks and software resources**

PaaS

SaaS

SaaS



# Internet of Things



**Objective: Interaction with “things”, searchable and accessible**



Internet of Things enablement

**IoT process automation**

**IoT resource management**

**IoT Data handling**

**IoT Communications**



# Data and context management



**Objective: Transform the data into information**

Data and context management

**Context management**

**High level intelligent  
Services**

**Event management  
Analysis infrastructure**

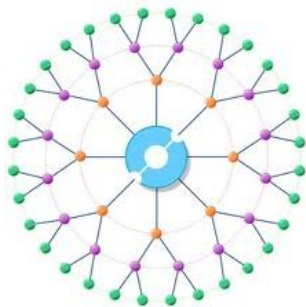
**Data Storage and core services**



# Interface to the network and devices



**Objective: Open and standardized interfaces to network and devices**



I2ND

**Interface to connected devices**

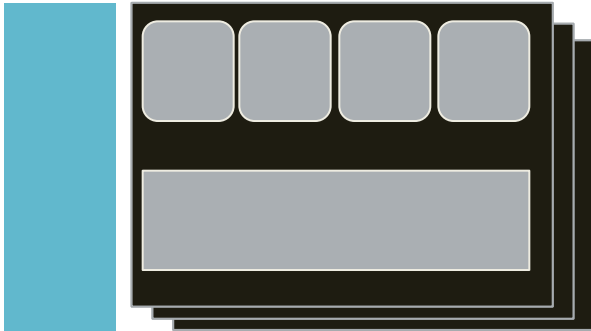
**Interface to  
Network services**

**Interface to open  
networking entities**

**Interface to Cloud proxies**



# Security privacy and Trust



**Objective: Develop a security ecosystem, comprising core and generic enablers**



Security privacy and trust

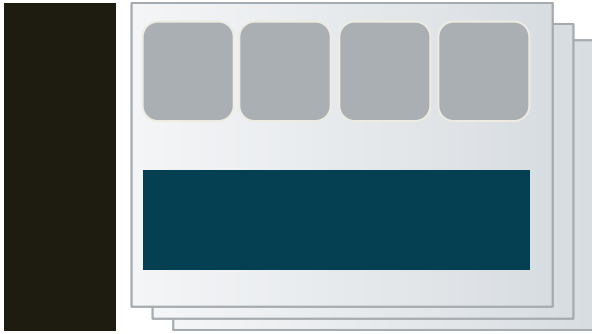
**Context based and compliance**

**Optional security services**

**Generic Security Enablers**

**Security monitoring**

# Development tools, testing and exploitation



**Objective: Support the community of developers**



DevComE

**Testing and  
deployment**

**API IDE support**

**Forge  
implantation**

# Testing and exploitation



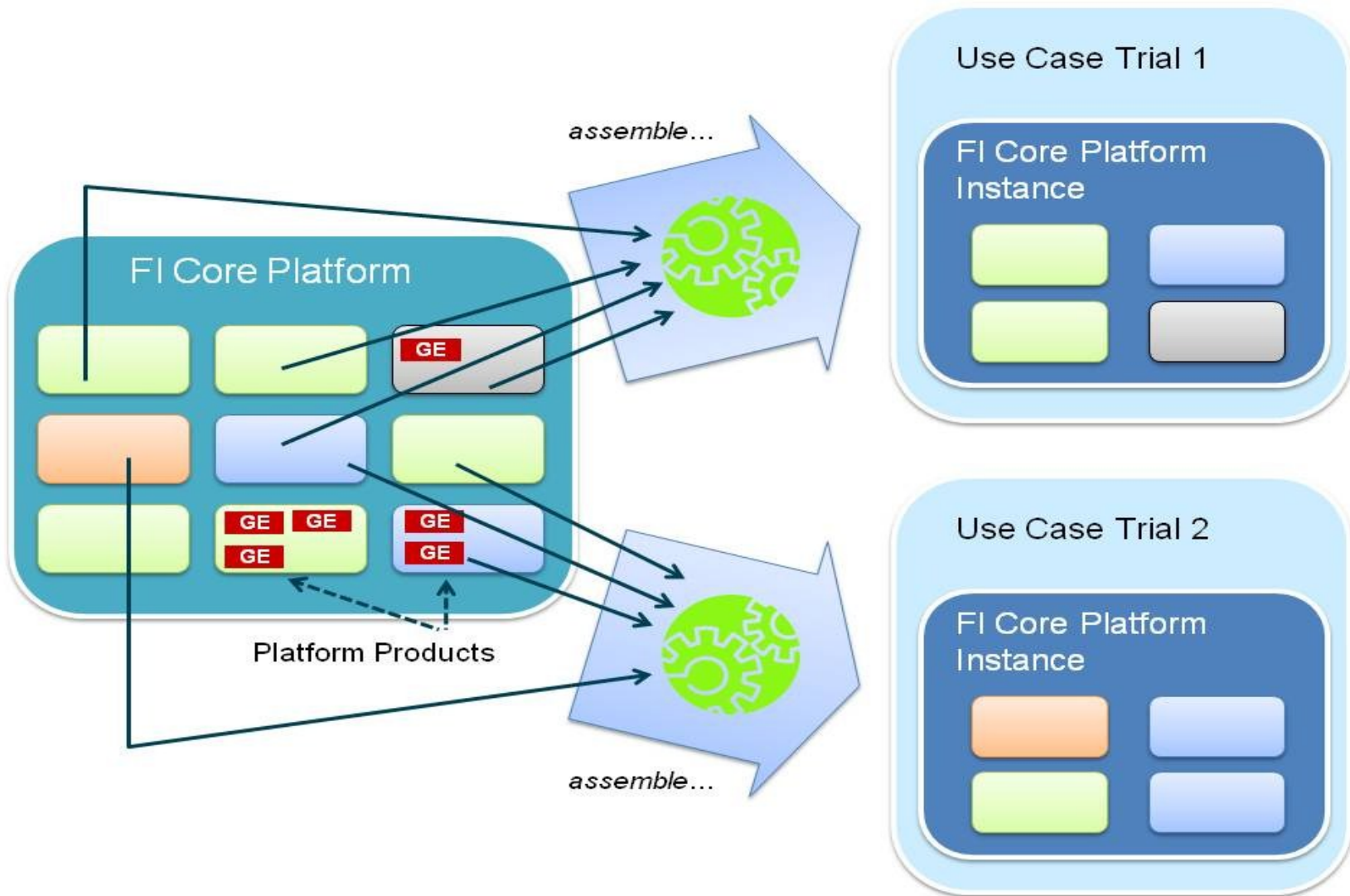
**Objective: Integrated testing and validation**

**Objective: Exploitation and standardization**

Testing	Exploitation
<b>Support to Usage cases</b>	<b>Standards</b>
<b>Integration</b>	<b>Exploitation Strategy</b>
<b>Internal testbed</b>	<b>Market analysis</b>



# Core Platform Instances and Use Case Trials



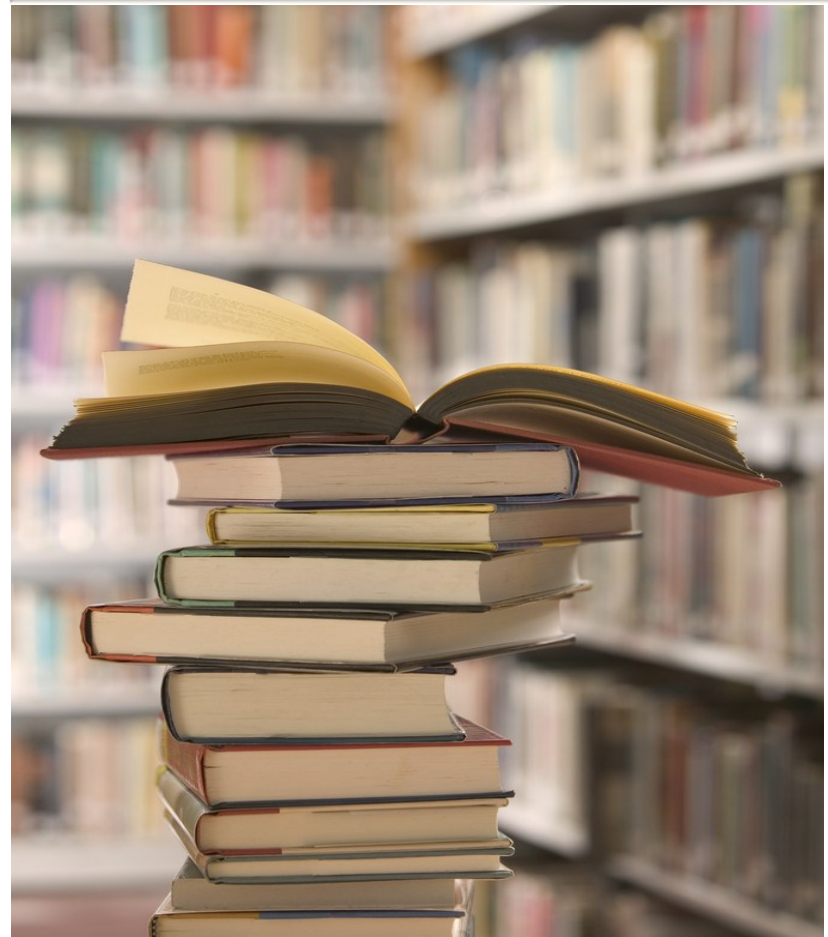
# Market and Scientific councils



## SMEs



## University





# Our time schedule



## First year

**June/September 2011:** High level architecture description

**January 2012:** First open call issued

**May 2012:** Reference implementation

## Second year

**June 2012:** Open call closes

**September 2012:** First FI-WARE testbed

**January 2013:** Second open call issued

**May 2013:** First Reference implementation

## Third year

**June 2013:** Open call closes

**September 2013:** second FI-WARE testbed

**January 2014:** Reference implementation

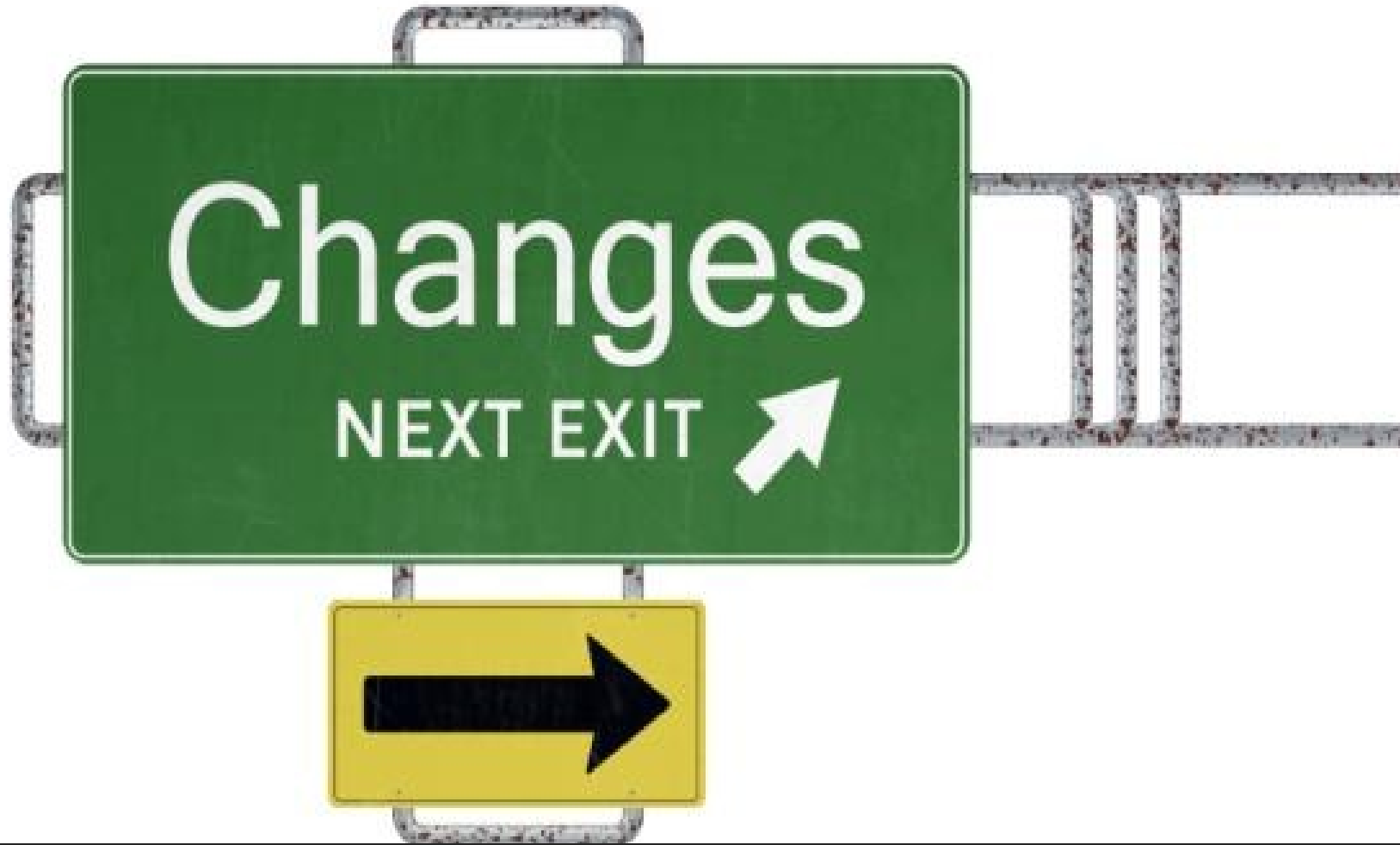
**May 2014:** Fi-Ware final release

# In a nutshell



**Create a solid basis for the  
Internet of the Future**

Changing the way European research goes!!



*“Not only we had so much fun working but we also delivered something useful ”*





THANK YOU!

