

FUTURE
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FINESCE Innovation Event

Future Internet Smart Utility Services

EIT ICT Berlin Node

10.09.2013



Alexander von Jagwitz, B.A.U.M. Consult München / Berlin



Agenda

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Time	Module
10:15	Presentation FINESCE, FI-PPP
10:30	Presentation Trial Sites <ul style="list-style-type: none">- Hyllie, Malmö (Smart Customers / Smart Buildings)- Horsens, Denmark (Smart Customers / Smart Buildings)- Aachen/Köln, Germany (Virtual Power Plant- Smart Factory)- Dublin, Ireland (Electric Vehicles and Balancing the Grid)- Terni, Italy (Electronic Marketplace)
11:15	Open Call procedure
11:30	Coffee break
11:45	99 seconds (presentations of all participants) and Networking Matrix
13:00	Lunch (setting up Networking Tables)
14:00	Networking tables <ul style="list-style-type: none">- Session 1: Trial Sites- Session 2: Applications
16:30	Closure

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FINESCE and the FI-PPP Programme



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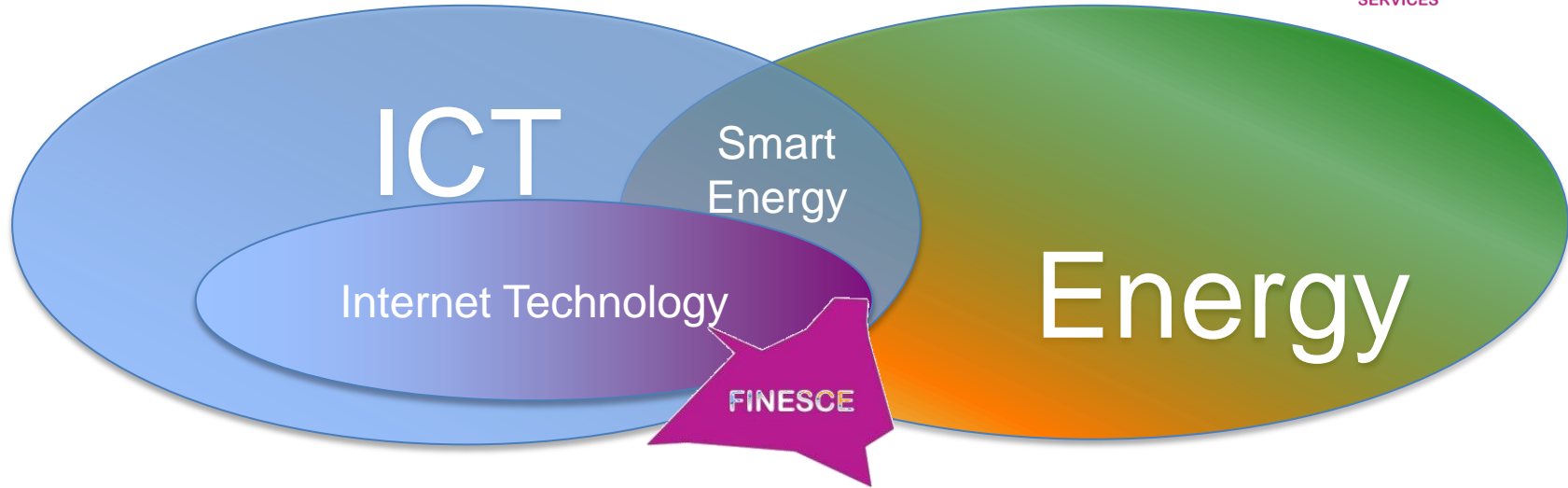


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The Future Internet for Smart Energy

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Future Internet of Energy: organizing many...

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

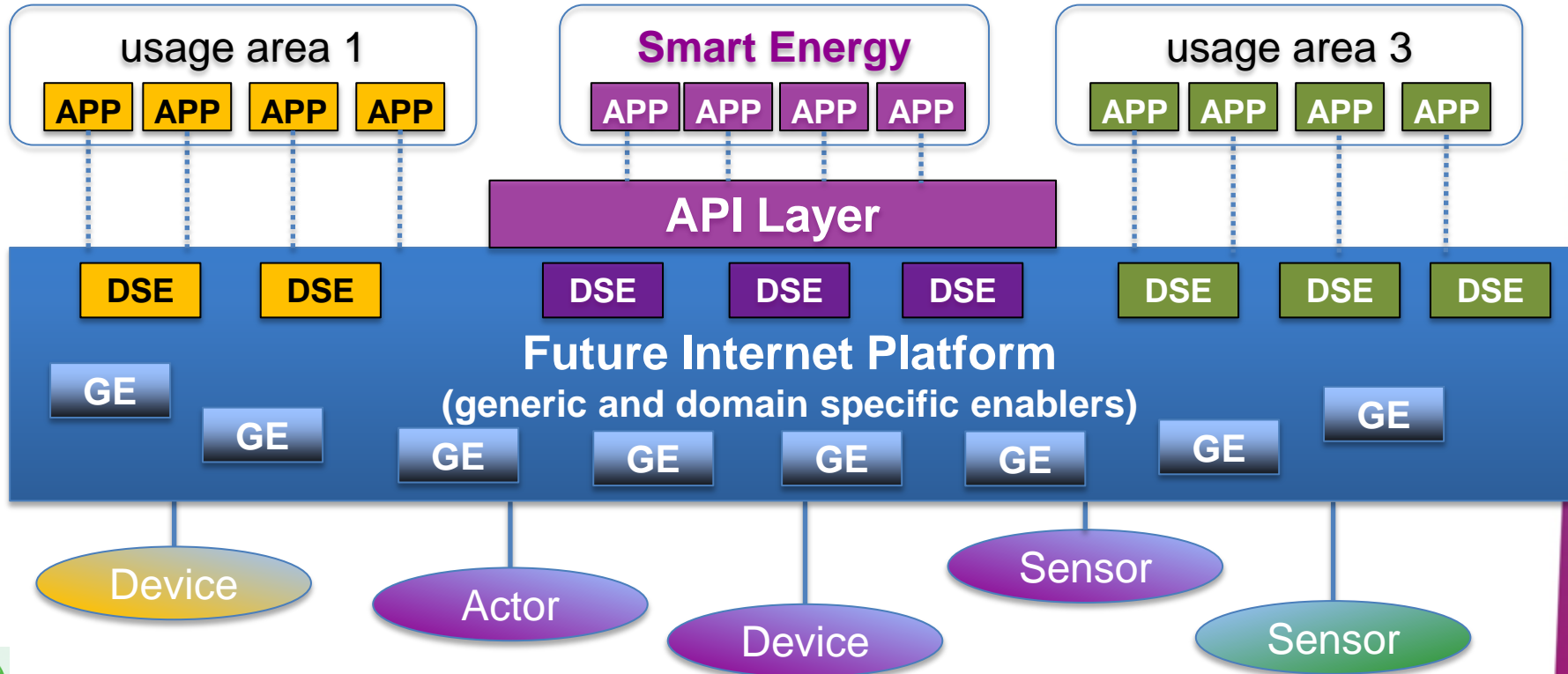
Benefits of using the future internet:

- lower costs for application development
- easy access for new partners
- scalability of applications

Internet of Things and Services

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FIWARE Generic Enablers (examples)

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Generic Enablers	
Internet of things enablement	<ul style="list-style-type: none">• Process Automation
Applications/ Services Ecosystems	<ul style="list-style-type: none">• Business Models & Elements
Data/ Context Management	<ul style="list-style-type: none">• Complex Event Processing• Big Data Analysis• Unstructured data analysis
Interface to Networks and Devices	<ul style="list-style-type: none">• Cloud Edge
Cloud Hosting	<ul style="list-style-type: none">• IaaS DataCenter Resource Management• Object Storage• Resource Monitoring
.....	<ul style="list-style-type: none">•



Find all GEs at www.fi-ware.eu

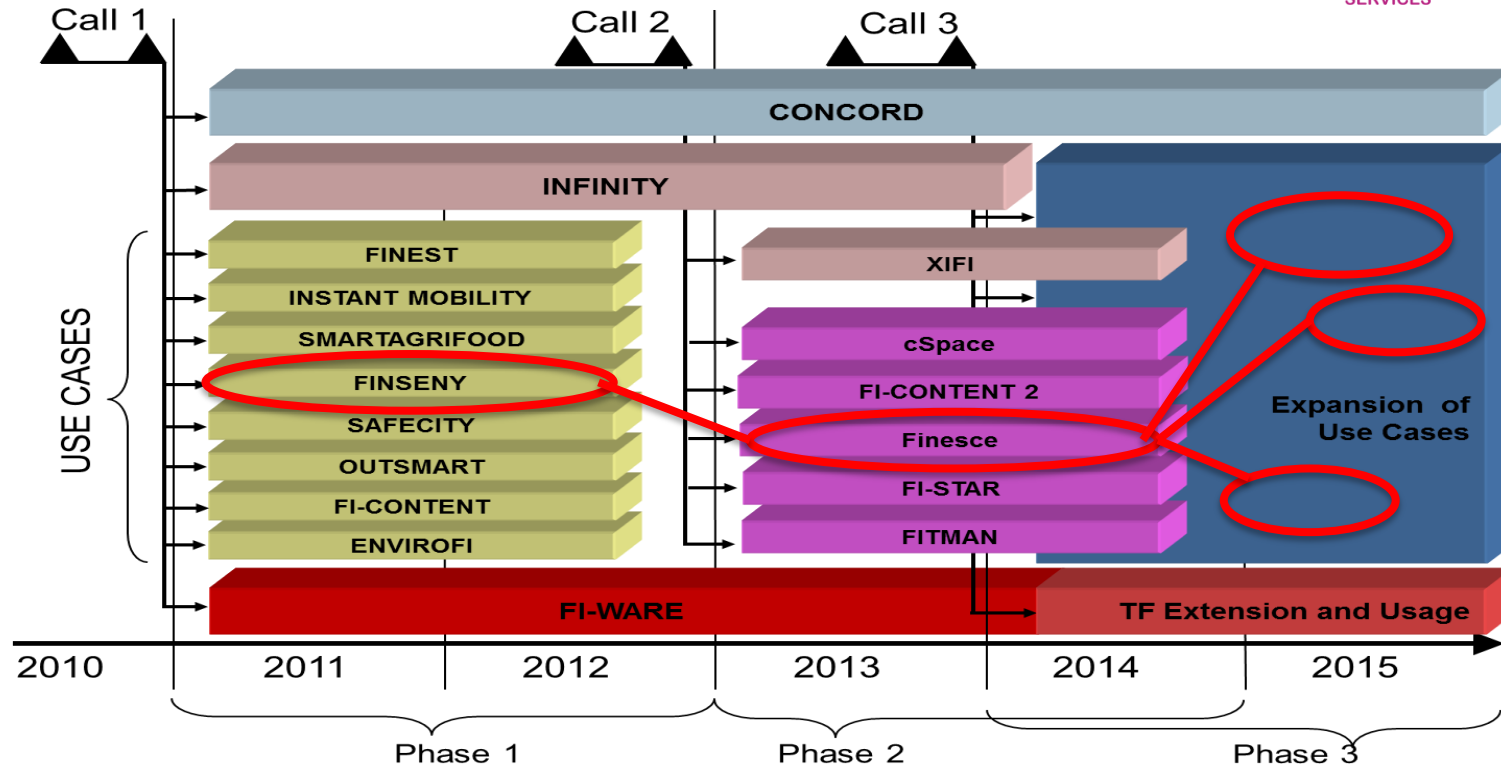


Ludwig Karg, B.A.U.M. Consult München / Berlin

FI-PPP Family of projects

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Apps for the Smart Energy World

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FINESCE trials



FINESCE open call



FI-PPP phase III

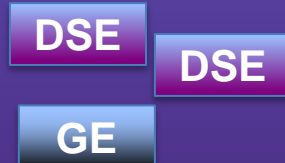


API Layer

Virtual Power
Plant



Smart Factory



Smart Home
and Prosumers



Electric
Vehicles



eMarket Place



Device



Sensor



Actor



Device



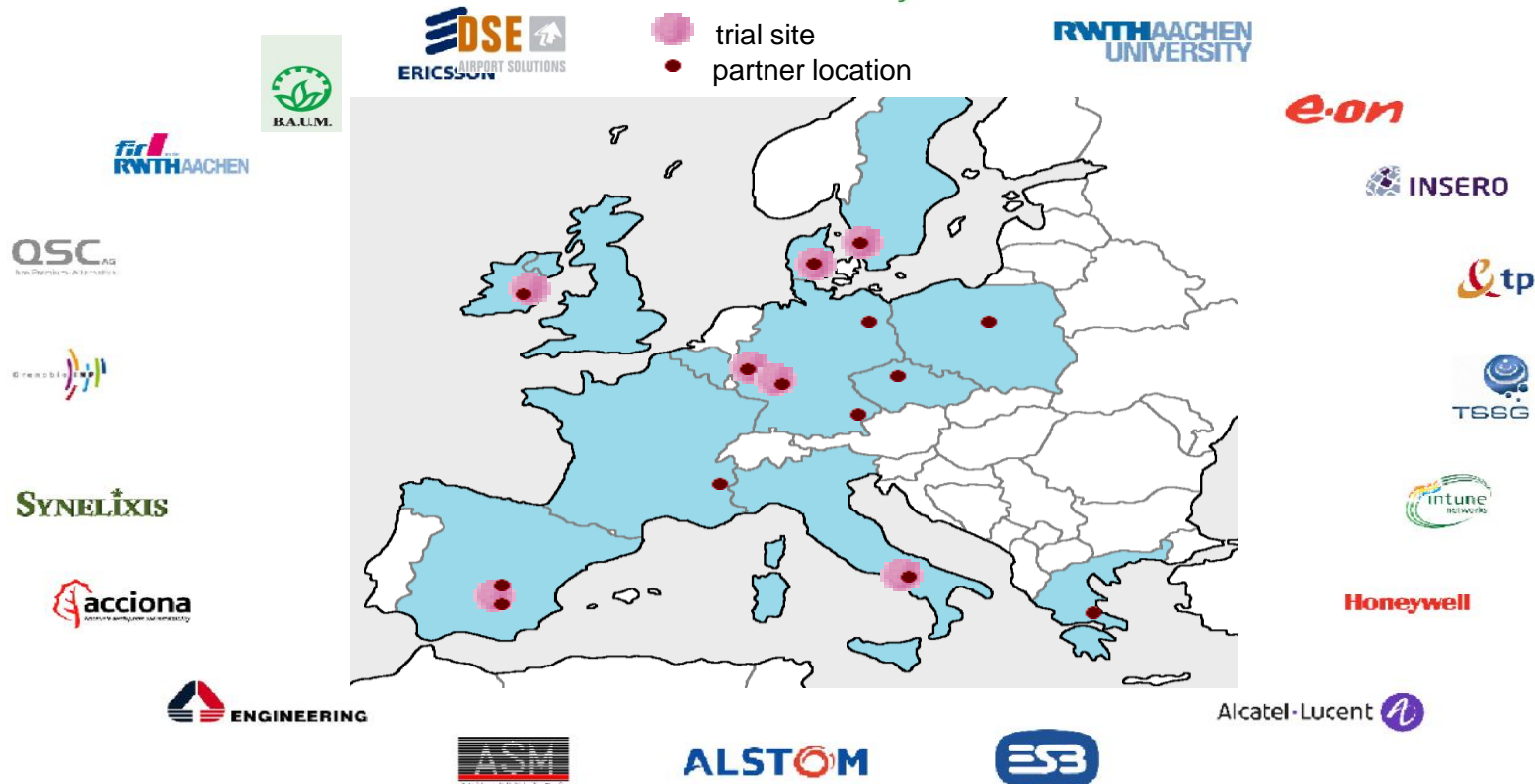
Actor



FINESCE Partners and Trial Sites

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FINESCE Objectives

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Transform infrastructures towards smart energy systems

- by trialling network enabled applications
- using common functionality provided by FI-WARE
- developing novel service layer enhancements encapsulated in the FINESCE-API
- enabling the development of innovation opportunities for ICT and utility actors as well as in the community providing public services

FINESCE strategic Goals

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- Foster Europe's leadership in ICT solutions for **Smart Cities and Smart Energy**
- Team-up the **ICT and Energy sectors** to demonstrate outstanding European Future Internet technologies enabling sustainable energy management

FINESCE means of involvement

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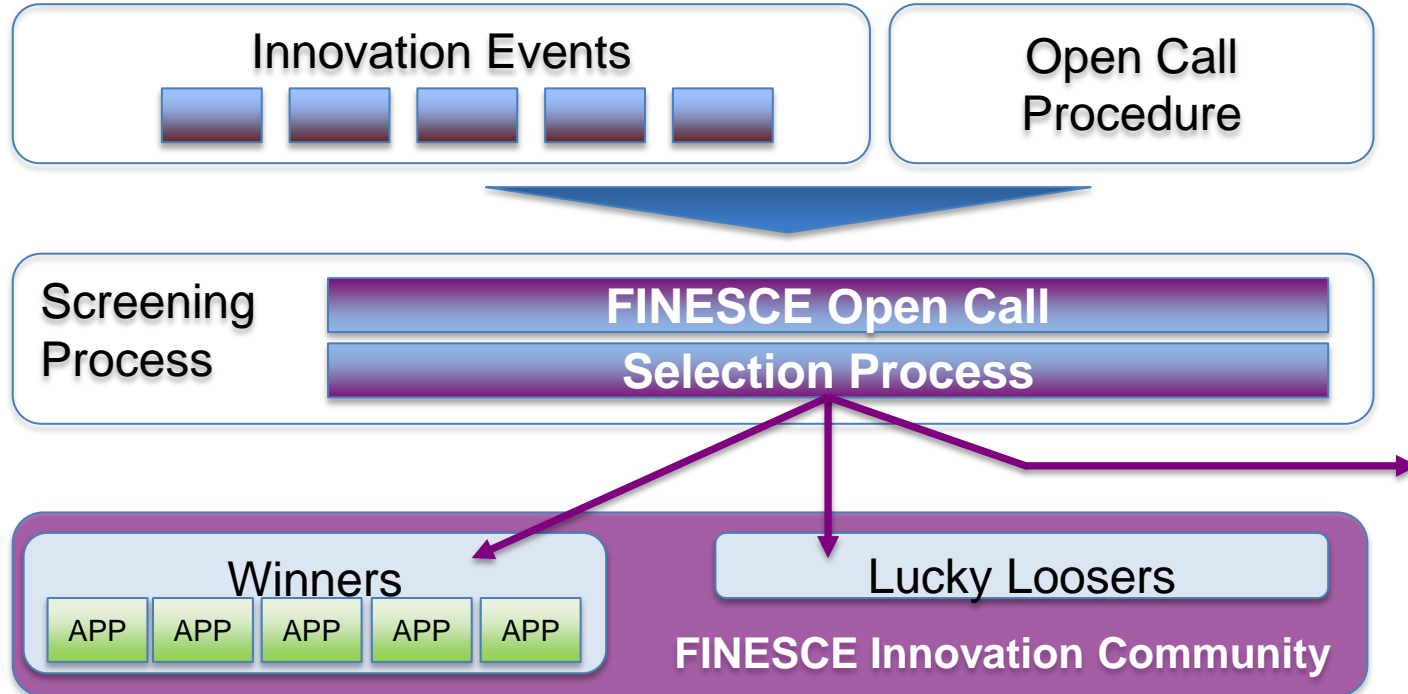


- **FINESCE open call (15.9.2013-13.11.2013)**
 - Area 1: involvement of new partners for specific tasks (1 mio. €)
 - Area 2: **SME innovation contest (250.000 €): concepts, mock-ups, apps**
- FINESECE academia programme (April 2014-October 2014)
 - student contest (internships for winners)
 - hackathon
- FINESCE Innovation Community
 - base for Phase III open call (Summer 2014-Winter 2014)
 - Phase III: 7-8 Mio EUR funding

Innovation Process for SMEs

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FINESCE Networking



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99 sec. presentation

- ALL participants of the workshop give a 99 seconds introduction (1-2 slides) of their organisation and their intentions regarding the event
- 99 seconds seem to be an ideal time format to present yourself.
- It is very alive and is a very good start for participants to communicate with each other



Thomas Standhartinger, Atos



Atos
 • € 8,844 Mio€ Revenue
 • 76,417 Employees
 • 42 Countries
 • 7 in Bezoens/Paris



What we do?

- Thematic focus: smart grids, smart cities
- Integration of different energy grids & systems
- Load shifting in industry, commerce and municipal infrastructures
- First R&D project in Europe on Smart Gas Grids in 2009

OCG

Die OCG
 Die Plattform für Informatik und IKT in Österreich
 Die OCG ist ein gemeinnütziger Verein mit mehr als 1.500 Mitglieder aus den Bereichen Wissenschaft, IT-Anwendung, Lehre und Ausbildung.

Ziel der OCG ist die Förderung der Informationstechnologie und Informatik unter Berücksichtigung ihrer Wechselwirkung auf Mensch und Gesellschaft.






new energy
 ENERGY RESEARCH HUB

Smart cities: Setting up the TRANSFORM Consortium for the city of cities of Amsterdam, Copenhagen, Hamburg, Lyon...
 project INFRA-PLAN: Multi-grid infrastructure planning and networks in urban model quarters (Berlin, Graz, Hamburg)
 the ERA-NET workshop: „smart grids for smart cities“

Networking Matrix

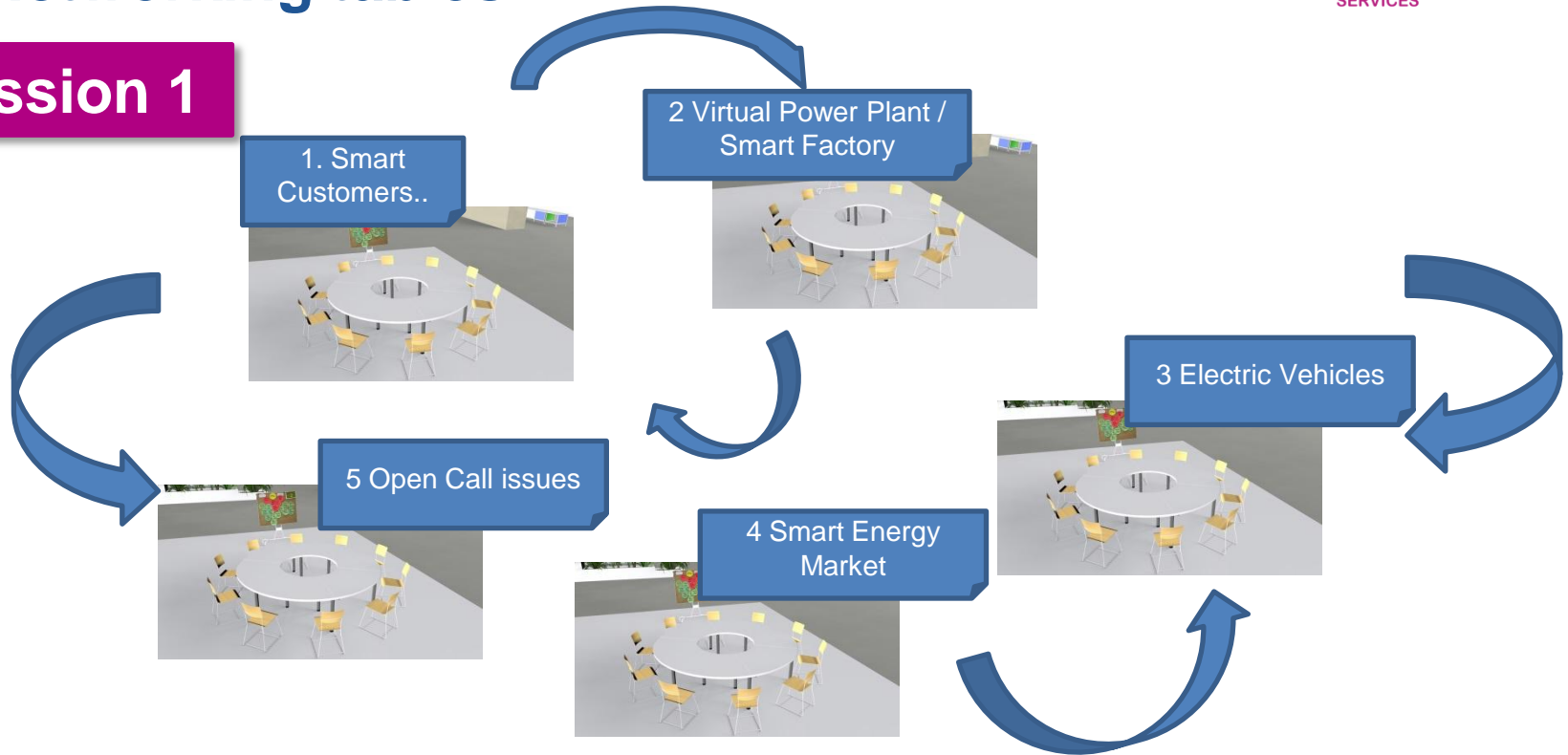
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	Topic	No. Table	Topic	No. Table	Topic	No. Table	Topic	No. Table	Topic	No. Table
Session 1	Smart Customers/ Buildings/ Prosumers	1	Virtual Power Plant / Smart Factory	2	Electric Vehicles	3	Electronic market place	4	Open Call	5
										
Session 2	Visualisation / Control Software	1	Hardware / Sensors	2	Business Software	3	Gaming / Education	4	Open Call	5
										

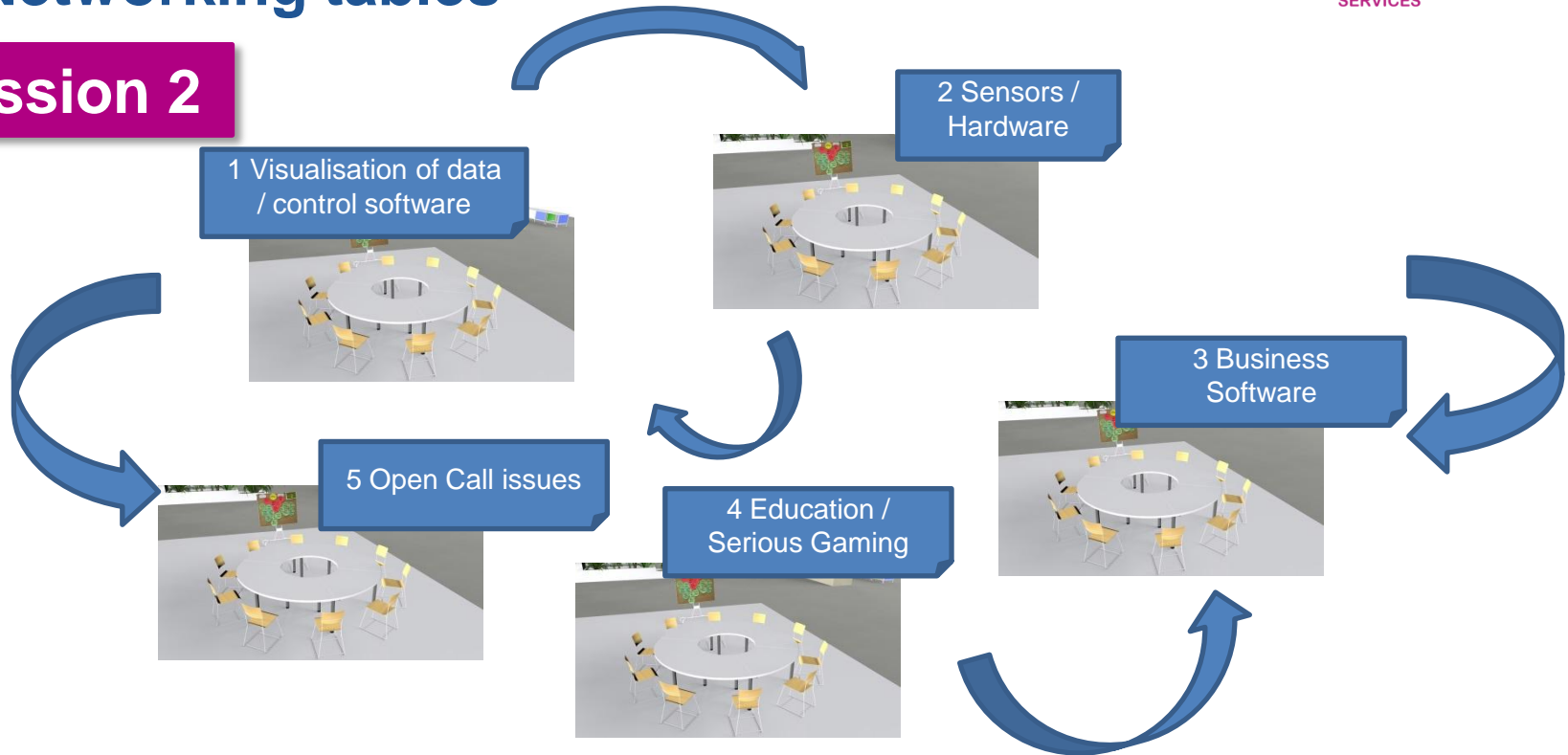
Networking tables

Session 1



Networking tables

Session 2



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FINESCE Open Call



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FINESCE Open Call Timeline

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Start: 16.9.2013

final submission date: Wednesday, 13.11.2013, 17:00

Start of contract: 1.4.2014

End of contract: after 3-12 MM (depending on the open call area)

FINESCE Open Call: Area 1

- To support the consortium by undertaking investigations of the proposers own creative ideas for energy related services and applications, related to FI-WARE functionality and the FINESCE trial topics, with the work being undertaken in close collaboration with one of our trial sites and partners.
- This area of the open call is particularly targeting start-up companies. Funding of 250.000 Euro will be provided.
- Proposals may address the dissemination and promotion of new services, applications, apps, concepts, prototype or demonstrations based on FI-WARE functionality and related to FINESCE trial topics.

FINESCE Open Call: Area 2

- To support the consortium by undertaking investigations of the proposers own creative ideas for energy related services and applications, related to FI-WARE functionality and the FINESCE trial topics, with the work being undertaken in close collaboration with one of our trial sites and partners.
- This area of the open call is particularly targeting start-up companies. Funding of 250.000 Euro will be provided.
- Proposals may address the dissemination and promotion of new services, applications, apps, concepts, prototype or demonstrations based on FI-WARE functionality and related to FINESCE trial topics.

FINESCE Open Call: Contract details

- new partners become full consortium members
- 2-3 deliverables to be described
- participation in all project meetings during the contract time mandatory
- new partners will sign the collaboration agreement and have full access to FIWARE GEs
- (A more simple procedure for area 1 is still under negotiation)



FINESCE Open Call: Contract details

Funding (including overhead) depending on activity performed:

- Research and Development: 50% or 75% (only applicable for SMEs and universities)
- Dissemination: 100%

Current payment schedule

- 45% start of the contract (1.4.2014)
- 55% after the end of FINESCE (app. 1.9.2016)
- We try to get an interim payment (not confirmed yet)

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www.finesce.eu