

FINESCE Innovation Event

Future Internet Smart Utility Services

Terni 17.10.2013









FINESCE and the FI-PPP Programme







The Future Internet for Smart Energy





ICT Smart Energy
Internet Technology
FINESCE

Energy

Future Internet of Energy: organizing many...

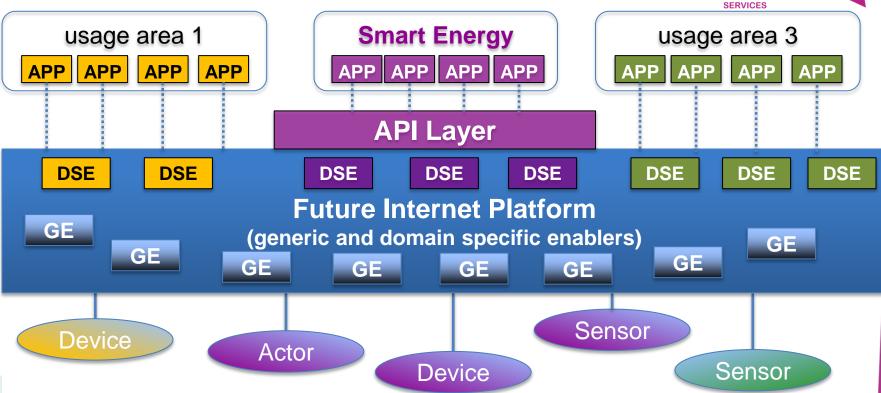
- (volatile) distributed energy production
- (flexible) consumers and prosumers
- electric vehicles (as consumers and storage)

Benefits of using the future internet:

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



Internet of Things and Services



FUTURE

INTERNET SMART UTILITY **FINESCE**







Generic Enablers	
Internet of things enablement	Process Automation
Applications/ Services Ecosystems	Business Models & Elements
Data/ Context Management	Complex Event ProcessingBig Data AnalysisUnstructured data analysis
Interface to Networks and Devices	Cloud Edge
Cloud Hosting	IaaS DataCenter Resource ManagementObject StorageResource Monitoring
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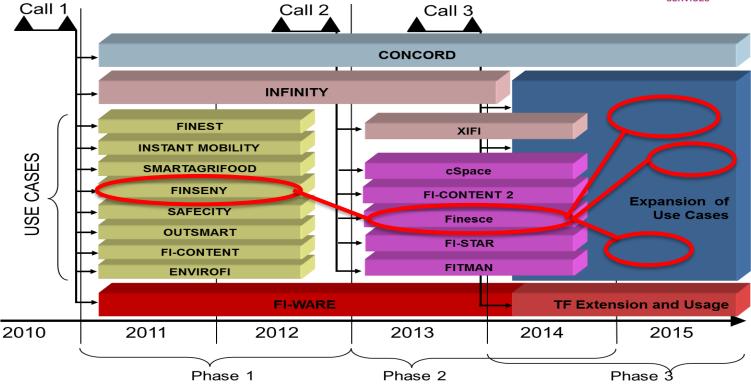
Find all GEs at www.fi-ware.eu



FI-PPP Family of projects









Apps for the Smart Energy World



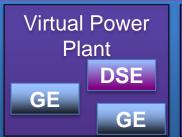








API Layer





















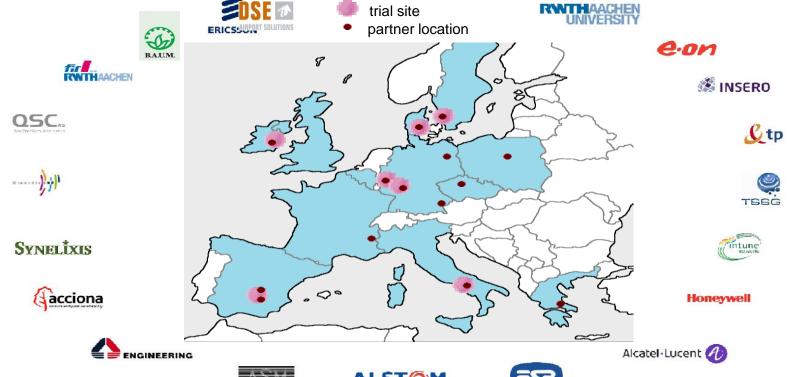




Actor

FINESCE Partners and Trial Sites















FINESCE Strategic Goals

- 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





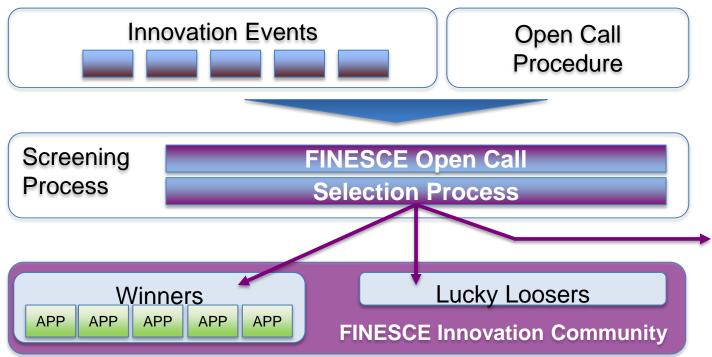
FINESCE means of involvement

- FINESCE open call (15.9.2013-13.11.2013)
 - Area 1: SME innovation contest (250.000 €): concepts, mock-ups, apps
 - Area 2: involvement of new partners for specific tasks (1 mio. €)
- 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









FINESCE Networking











99 sec. presentation

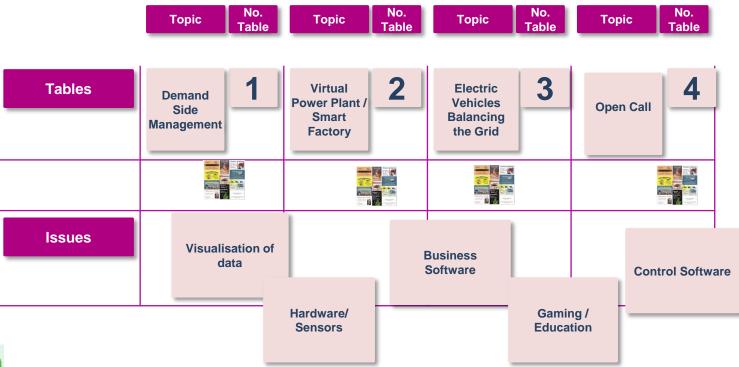
- ALL participants of the workshop give a 99 seconds introduction (1-2 slides) of their organisation and their intentions regarding the event
- 99 seconds seem to be an ideal time format to present yourself.
- It is very alive and is a very good start for participants to communicate with each other







Networking Matrix





Networking tables

FUTURE INTERNET SMART UTILITY SERVICES























FINESCE Open Call











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 expanding the scope of our trials with work on specific topics.
- This area of the open call is open to large and small organisations including research institutes and universities. Proposals from SME's will be particularly welcome.
- Funding of 1.038.600 Euro will be provided for Area 2
- A maximum of 350.000 Euro will be provided to each organisation invited to join for partly-funded contracts as full project beneficiaries
- Each new partner (beneficiary) is expected to provide a minimum of 9 person months effort to the project





Area 2 topics for Open Call

- To expand the scope of the field trial locations in FINESCE by adding new topics and trial sites, developing synergies with the FINESCE and FI-PPP goals,
- 2. To develop a visualisation of the energy consumption within the trial factory in Aachen and the energy production of the distributed energy resource (DER) in the FINESCE trial in Belgium or Germany, with a user-friendly GUI,
- 3. To create an Automatic Meter Reading (AMR) system that will exploit the capabilities of Advanced Metering Infrastructure (AMI) utilising the DLMS/COSEM protocol suite. An innovative, reliable, scalable and secure solution, based on open standards to facilitate the exchange of near-real-time electricity metering data. The system will be setup on the FI-WARE cloud computing infrastructure and will be integrated with the Terni trial site.
- 4. To develop a management system for the energy distribution network used in the FINESCE field trial in Ireland, which will interact with an Electric Vehicle (EV) charge-point management system.
- 5. To develop a serious game to contribute to the dissemination of the FINESCE results presenting scenarios based on the data collected FINESCE trials





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 existing collaboration agreement and have full access to FIWARE GEs
- (The possibility of offering a simpler procedure for area 1 is still under investigation by the European Commission)





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%

Planned payment schedule

- 45% advance payment at the start of the contract (1.4.2014)
- 55% after the end of FINESCE with the final project cost claim (Claim expected be submitted in June 2015)





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