

Deliverable D5.5

“Final workshop”

by the Co-ordination and Support Action

ENERGISE: ICT-based ENERGY Grid Implementation – Smart and Efficient

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1 Summary

According to the Grant Agreement D5.5 is a deliverable, however not a “report” but of “other” type. For formal reasons we provide a short document in order to feed the online system with an uploadable file.

The final workshop of ENERGISE took place in Brussels on 16th and 17th of March 2017. With more than 100 attendees, it had the highest participation of all four ENERGISE workshops. The registration for participants had to be closed in advance due to the limited number of available places. Registrations came from 23 European countries. Given the venue and the location of the project team most participants came from Belgium and Germany. Eight external speakers contributed next to the members of the ENERGISE team to lively discussions. This workshop was mainly used to present the results of ENERGISE to the community and to introduce the ICT decision support tool. The main objectives for the final workshop were to:

- Present the ENERGISE ICT decision toolkit;
- Disseminate ENERGISE results for intersectoral co-operation beyond the project time;
- Enable stakeholder discussions.

The workshop was structured in four sessions. The first day the workshop concentrated on the topics “Strategic decisions on co-operation and technology” and “Co-operation in critical operational status”. The topics of the second day were more general: “Regulation” and “Internet of Things for the Energy Sector”. The feedback of the participants was very good and 100% found attendance at the workshop overall worthwhile. Additionally, other participants and speakers demonstrate their workshop’ attendance on their companies’ websites (see D5.2). This underlines the success of the primary goal of the final workshop, which was the dissemination of the project results.



Impressions of the workshops

2 Agenda of the final workshop



Agenda

Final ENERGISE Dissemination Workshop on Communications Infrastructure Strategies for Smart Grid Applications

16th - 17th March 2017

Room S1, DG Connect (European Commission)
Avenue de Beaulieu 25
BE-1160 Brussels, Belgium

Background

The European ENERGISE study conducted a comprehensive analysis of various options for establishing ICT infrastructures for smart grids. It focused on the core question of whether the modern energy systems of the future should be based on own or third-party communication infrastructures.

This question is viable for an extensive deployment of smart grids and smart infrastructures in general. Especially considering the context of the European directive to reduce the cost of deploying high-speed electronic communications networks, the need for joint infrastructure usage and deployment is of rising importance.

Within the final ENERGISE workshop, stakeholders from the telecommunication and energy industry from all over Europe will come together to discuss the future cooperation modes of ICT infrastructure for smart grids among all involved sectors. The workshop will offer an unique opportunity for exchange between the energy and telecommunications sectors, which so far have remained mostly separate and developed their respective positions and strategies on smart grids in parallel. The ENERGISE project was assigned by the European Commission to bridge this apparent gap.

Objectives of the workshop

- Present the ENERGISE ICT-Decision Toolkit
- Disseminate ENERGISE results for intersectoral cooperation beyond the project time
- Enable stakeholder discussions

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For more information on the project, please visit <http://www.project-energise.eu/>

Thursday, 16th March 2017

11h00 *Welcome coffee*

12h00 **Welcome**

Kirsten Hasberg, workshop moderation, Hasberg Media UG

12h10 **Introduction by the European Commission**

Key note Kyriakos Baxevanidis, Deputy Head of Unit, DG Connect

Cooperation framework between ICT and energy industries, DG Connect

12h30 **Introduction to ENERGISE**

Daniel Schöllhorn, TÜV Rheinland Consulting GmbH (ENERGISE)

13h00 *Break*

Session 1: Strategic decisions on cooperation and technology

13h45 **The ICT-Decision making toolkit – An approach for strategic planning based on case studies**

Daniel Iglhaut, Susanne Zels, TÜV Rheinland Consulting GmbH (ENERGISE)

14h30 **Enexis telecommunications strategy**

Philip Westbroek, Asset Manager, Enexis B.V. (DSO, Netherlands)

15h00 **Reasons for the decision on the optimal communications infrastructure**

Aurélio Blanquet, Director of Automation and Telecontrol, Edp Distribuição - Energia, S.A. (DSO, Portugal)

15h30 **Areas of ORANGE's current collaboration with the energy sector**

Paweł Bakun, Director of Orange Energy, Orange Polska S.A. (Telecom, Poland)

16h00 **Interactive session**

16h15 *Break*

Session 2: Cooperation in critical operational status

17h00 **Cooperation in energy and communication systems in critical operational statutes**

Johanna Bott, WIK GmbH (ENERGISE)

17h20 **How to secure communications infrastructure in critical situations? - 1**

Duncan Botting, Director of Europe, European Utilities Telecom Council (EUTC)

17h50 **How to secure communications infrastructure in critical situations? – 2**

Jorge Rodriguez López, Head of Marketing, HISPASAT S.A. (Satellite Operator, Spain)

18h20 **Interactive session**

18h30 *End of the first day*

20h30 *Joint dinner*

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Friday, 17th March 2017

08h30 *Welcome coffee*

09h30 **Welcome and introduction to the 2nd day**

Kirsten Hasberg, workshop moderation, Hasberg Media UG

Session 3: Regulation

09h45 **Implementation of the EU Broadband Cost Reduction Directive**

Caroline Held, WIK GmbH (ENERGISE)

10h15 **Cooperation between National Regulatory Authorities to foster intersectoral cooperation**

Andy Burgess, Associate Partner, Transmission and Distribution Policy, The Office of Gas and Electricity Markets (Energy NRA, United Kingdom)

10h45 **Interactive session**

11h00 *Break*

Session 4: Internet of Things (IoT) for the Energy Sector

11h30 **IoT for energy infrastructure – a future approach?!**

TÜV Rheinland Consulting GmbH, WIK GmbH (ENERGISE)

11h50 **Sigfox: Making things come alive in Smart Metering**

Laurent Moesle, Business Development Manager, SIGFOX (Wireless network operator, France)

12h20 **Strategic aspects of an IoT roll-out in the energy sector**

Daan Beaufort, Board Member of the 450MHZ Alliance; Chairman WG Standardization & Regulations, 450MHZ Alliance

12h50 **Interactive session**

13h05 **Concluding remarks and further approach of the project**

TÜV Rheinland Consulting GmbH, WIK GmbH (ENERGISE)

13h30 *End of the workshop and coffee*

3 Feedback from the final workshop

Overall, has the attendance at the workshop been worthwhile?

Yes	No
100%	0%

Have your expectations regarding the workshop been met?

Surpassed	Met	Partially met	Less met	Not met
12%	82%	6%	0%	0%

How do you assess the following items?

	Very good	Good	Satisfying	Acceptable	Poor
Organisation	82%	18%	0%	0%	0%
Venue	53%	41%	6%	0%	0%
Catering	29%	35%	29%	6%	0%

Which parts did you like ...?

Well	Less well
<p>Session 1 (ICT tool) – Especially tool presentation and speakers</p> <p>Session 2 (Critical status) – Topic and especially Duncan's presentation</p> <p>Session 3 (Regulation) – Regulation issues itself and ENERGISE presentation</p> <p>Session 4 (IoT) – Speakers and topic itself</p>	<p>Session 2 (Critical status) – Hispasat presentation was too promotional (1 person)</p>

Strategic decisions on co-operation and technology

ICT decision making toolkit
Now
<ul style="list-style-type: none"> – Case studies are relevant for both sectors – DSOs indicate using it to make decision making processes on ICT infrastructure for smart grids in companies – Universities indicate using it for research purposes
Future
<ul style="list-style-type: none"> – Focus more on data security, cyber security and security of critical infrastructures – Focus more on responsibilities, cost sharing

Regulation

Co-operation between energy and telco NRA

- Weak co-operation models at the moment
- Should be improved in the future

IoT for the energy sector

Future relevance of IoT applications for the energy sector

- Very important
- Importance is rising
- Security issues must be focused

More details on the final workshop are provided in D5.6 “Report on communication activities, dissemination and exploitation (final)” which is – contrary to D5.5 – a real “report”.