

From Local Trials towards a European Knowledge Community

WORKING GROUP SYSTEM ARCHITECTURE AND IMPLEMENTATION MODELLING ERA-NET SMART GRIDS PLUS INITIATIVE

Agenda

03.-04.12.2015 | Budapest | Hungary

Venue:

SAP HUNGARY LTD.

Harcza II. 3rd floor at SAP Building („S” Building)

1031 Budapest (3rd district), Záhony street. 7. Graphisoft Park

DAY 1 | THURSDAY 03 DECEMBER 2015

Moderation: Ludwig Karg, Head of ERA-Net SG+ Support Team

11:00	Registration and light lunch
12:30	Welcome <i>Ludwig Karg, B.A.U.M. Consult, Head of ERA-Net SG+ Support Team</i> <i>Balázs Ablonczy, Managing Director of SAP Hungary Ltd., SAP Hungary</i>
13:30	System Architecture for Smart Grids – Background and Goals <i>Ludwig Karg, B.A.U.M. Consult</i>
14:00	Trends in overall energy system architecture <i>Albana Ilo, TU Wien</i>
15:00	Coffee Break
15:30	Proactive Failure Management in Smart Grids for Improved Stability <i>Slobodan Lukovic, University of Lugano, Faculty of Informatics, ALaRI</i>
16:00	Cloud Architectures for cost effective solutions <i>Sinan Ozmen, Arditech</i>
16:30	Modular and horizontal software platforms for smart living <i>Alexander von Jagwitz, B.A.U.M. Consult</i>
17:00	OGEMA – a framework for energy management <i>David Nestle, Fraunhofer IWES</i>
17:30	Short presentations from participants
19:00	Social Dinner

DAY 2 | FRIDAY 04 DECEMBER 2015

Moderation: Ludwig Karg, Head of ERA-Net SG+ Support Team

09:00	The Smart Grid Architecture Model (SGAM) <i>Ludwig Karg, B.A.U.M. Consult</i>
09:30	Discussion: How could we come to a common terminology in the ERA-Net SG+ Knowledge Community? <i>Ludwig Karg, B.A.U.M. Consult</i>
10:30	Coffee Break
11:00	Discussion: What can we recommend for Smart Grids projects starting development or implementation of intelligent solutions?
12:30	Wrap-up of next Working Group meeting
13:00	Light Lunch and Closure

Concept

Speaking a common language and having comparable approaches to Smart Grid architectures is important for cross fertilization and monitoring project progress. Big questions for this Working Group are approaches such as security by design and other architectural ways to ensure data security and privacy as well as high resilience. The handling of big data and cloud computing approaches need to be mapped in architectures as well. Microgrids and cellular approaches to Smart Grid architectures shall be discussed and evaluated regarding their usability for the ERA-Net SG + and other national or transnational projects.

The first workshop of the Working Group will mainly cover the following topics:

- State-of-the-art models for smart grids ICT (M/490, SGAM etc.)
- trends in overall architectures (e. g. centralized versus decentral control and data management)
- software platforms for horizontal services (e. g. results from EU Future Internet PPP)

Cooperation partner

SAP Hungary Ltd.

ERA-Net SG+ funding partners



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