
EMP-E 2020

**FG4 - Smart cities, smart grids and
digitalization: modelling insights and
lessons learned**

Chair: Andrea Mazza

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Politecnico di Torino

H2020 PLANET Project

PLEASE YOUR ATTENTION!

The session WILL BE RECORDED

Program

- Welcome by the session chair and objectives of the session
 - Introduction to the session topics: four presentations (5 min each)
 - **Multi-energy systems in their urban environment** - Edoardo Corsetti (RSE, H2020 MAGNITUDE Project)
 - **Renewables and flexibility resources in the cities - how to integrate and exploit them?** - Vittorio Verda (Politecnico di Torino, H2020 RE-COGNITION project)
 - **Electrification of transportation at city level** – Cristiana Botta (Links Foundation, H2020 INCIT-EV project)
 - **Evolution of the role of distribution system operators** - Gianluigi Migliavacca (RSE, H2020 FlexPlan project)
 - Results of the survey
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Program

- Parallel breakout sessions (25 minutes)
 - The sub-groups have a maximum capacity of 25 persons
 - If the sub-group you chose is full, please opt for another sub-group
 - If all are full, please wait in the main webconference environment (Gotowebinar)
 - Results of the discussions and session outcomes (20 minutes)
 - 5 min – Conclusions by the session chair
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Speakers



Edoardo Corsetti
RSE SpA
H2020 MAGNITUDE
Project



Cristiana Botta
Links Foundation
H2020 INCIT-EV
Project



Vittorio Verda
Politecnico di Torino
H2020 RECOGNITION
Project



Gianluigi Migliavacca
RSE SpA
H2020 FlexPlan
Project

GO WITH THE PRESENTATIONS!

RESULT OF THE SURVEY

- First of all, the results *are not statistically significant*
 - Too few answers...
 - *Anyway...* some indications can be drafted:
 - Existence of tools for **multi-energy system (MES)** simulation: most of the answers said «no», while the minority highlighted that some of them exists -> the knowledge of these system is not still widespread
 - Equipment for monitoring and control in MES suitable?-> all the answers said «no». More research required
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RESULT OF THE SURVEY

- Is it required a common platform (including government, operators, etc) to enhance the potential flexibility of MES?
Yes, also including customers
 - Enablers for **new role of the DSO** -> most of the answers point on the standardisation, especially grid codes
 - Is the ancillary service market suitable to procure service at local level? -> In general yes (market rules are seen as fine)
 - Other question regarding the role of the storage and the TSO-DSO coordination mechanism did not have a clear answer -> potential points of discussion in the sub-group
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