

D6.3 Third year dissemination report

Final Version

Deliverable

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ABOUT THE NEMoGRID PROJECT

The NEMoGrid Project is mainly focused on the definition of innovative business models that could ease the penetration of renewables into the distribution grid, with a particular emphasis on the definition of a peer-to-peer strategy based on the blockchain technology. The new business models will encourage the active participation of citizens and the assumption of their new role of prosumers, by allowing them to enter new markets as players. Among the tested scenarios, the most innovative one will be based on a peer-to-peer market. In this case, new decentralized platforms based on the blockchain technology will allow zero marginal cost transactions. In order to test the new business models effectiveness, a simulation framework will be developed. Each scenario will be evaluated base on a number of KPIs. Existing demo sites in Rolle (CH), Björklinge (SE) and Wüstenrot (DE) will be used to validate the business model that gives the best simulation results. Real loads will be controlled by the algorithms developed in the simulation phase. Technical developments within NEMoGrid will be supported with user research, gathering empirical data on prosumers decisions and interactions. The results will be used to develop an adoption model and to continuously refine the simulations.

>> www.nemogrid.eu

1. WORKPACKAGE DESCRIPTION

Workpackage (WP) 6 “*Dissemination and Reporting*” is led by TUC and accompanies the entire project. The aim of this WP is the development and implementation of different channels for the public presentation of the project and its results. Furthermore, the consortia is aiming to participate in cross-national working groups of the ERA-Net Knowledge Community in order to foster and maximize the impact of the project. The NEMoGrid project partners contribute to scientific publication by presenting project results at national and international conferences, congresses and within journals. Within this deliverable the activities from the third project year (**September** the **1st 2019** until **December** the **31st 2020**) subsumed under WP 6 are summarized. The deliverable also comprises activities build on those during the first project year (see [D6.1. First year dissemination report](#); [D6.2 Second year dissemination report](#)). As every activity within the project, also the dissemination activities in 2019/2020 were characterized by the pandemic situation in whole Europe. Publication and dissemination activities planned to be realized in an analog/physical way at the beginning of the project could not be realized and changed to digital ones.

2. DISSEMINATION PROGRAM

The focus of the first year work was on the development of the project **corporate identity** (CI). The design of the basic templates and the project CI were completed in the first project year. For further information, see [D6.1. First year dissemination report](#). The second year dissemination activities focused on the extension and usage of the developed dissemination channels, as the project website (see [D6.2 Second year dissemination report](#)). During the third and final year of the NEMoGrid project completed work has been summarized and made available to an interested public, e.g. via project **deliverables**. Furthermore, the **final report** was prepared by the project partners and made available to the ERA-Net project managers.

3. PROJECT WEBPAGE

After the webpage structure was set up during the first year, the second year dissemination work focused on the extension of the webpage structure and the continuous update of the project-“[News](#)”-blog and the “[Publications](#)” section. These activities continued during the third project year. Current news from the project, short presentations of results and calls for participation for online studies were published. Scientific publications of project partners during the last project year were added (see [Scientific Communication](#)). Furthermore, the list of project deliverables was updated and significantly extended. The deliverables contain completed work of different work packages. This allows interested visitors of the project website to access also partly unpublished project work and results (“grey literature”).

4. KNOWLEDGE COMMUNITY

During the third project year a representative of NEMoGrid partner TUC took part in the ERA-Net Smart Energy Systems Knowledge Community Meeting at November the 25th 2020 (Figure 1). Due to the pandemic situation this meeting was conducted online. The NEMoGrid representatives were involved in the specific discussion of the working group *Citizenship and Consumer Involvement*.

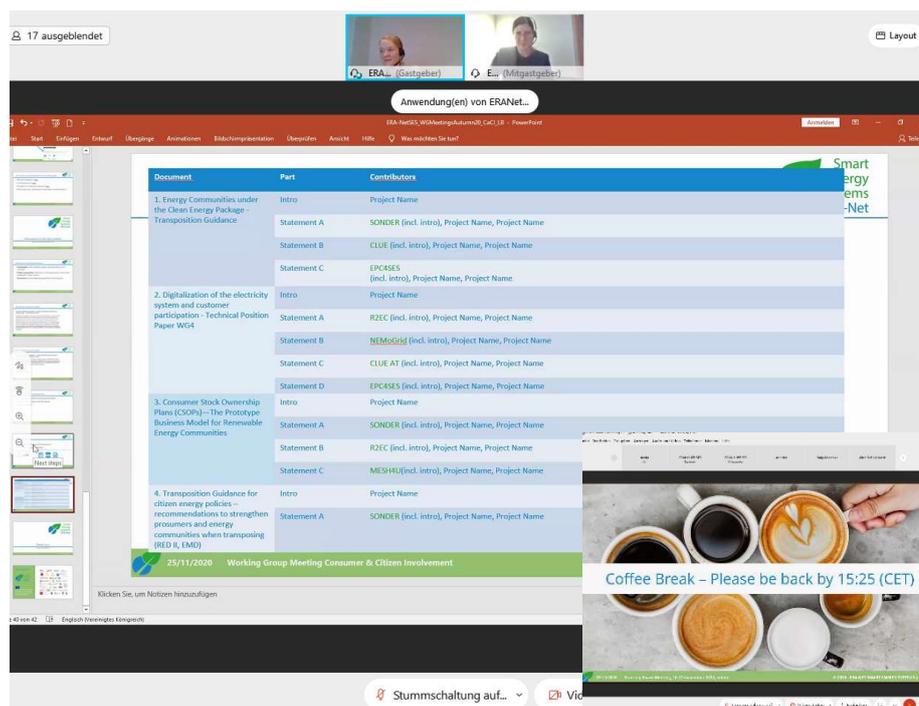


Figure 1. ERA-NET SES Online Meeting 2020.

5. SCIENTIFIC COMMUNICATION

Results of the project were published in the scientific community. For example, the results of the prosumer and consumer focus groups of TUC conducted in Chemnitz (see also [D4.1 Guidelines for user-centered development of approaches enhancing social acceptance and user collaboration](#)) were presented to interested scientific audience at the HCII conference in July 2020. The title of the publication is “Peer-to-Peer Traded Energy: Prosumer and Consumer Focus Groups about a Self-consumption Community Scenario” [01] and is available [here](#). Originally the conference were planned to held in Copenhagen but was changed to an online conference. TUC staff presented their results via an online poster accessible for the participants during the whole conference.

The project partners of SUPSI participated in the *Power Systems Computation conference* lasting in July 2020 and published an article with the title “Hierarchical Demand Forecasting Benchmark for the Distribution Grid” [02]. The paper is available [here](#). The according slides of the talk were made available on the NEMoGrid website [here](#).

Furthermore, additional project deliverables of the different NEMoGrid work packages have been published on the "[Publications](#)" site. The NEMoGrid partners will continue to strive for further scientific publications after the end of the project.

REFERENCES

- [01] Döbelt, S., & Kreußlein, M. (2020, July). Peer-to-Peer Traded Energy: Prosumer and Consumer Focus Groups about a Self-consumption Community Scenario. In International Conference on Human-Computer Interaction (pp. 130-140). Springer, Cham.
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