



TradeRES

New Markets Design & Models for
100% Renewable Power Systems

D7.4 - Dissemination Activity Report – 2nd Edition

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Document information

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1	15-07-2021	Public	A detailed report describing the dissemination activities in the second year of the project

Review and approval

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Executive Summary

This deliverable presents the second year dissemination activities that were planned by the consortium members and presented in the initial dissemination and exploitation plan (D7.2). An update of the information reported in the first edition of progress dissemination report (D7.4 – Dissemination Activity Report) is presented.

During the second year of the project, no changes were performed to the dissemination and exploitation plan. In this sense, this report describes the stakeholders and target groups, fulfilment indicators and progress indicators. Also, detailed KPI lists including general promotion of the project, social media, traditional media promotion and communication of regular news and announcements, publication in scientific journals, special book chapters and participation in workshops and international conferences, organization of scientific events, conferences, workshops, thesis, and dissemination material. Conclusions are presented on the achievement of the defined KPIs and identification of points to be improved during the 3rd year of the project.

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1. Introduction

The main goal of this deliverable is to report the dissemination activities which occurred during the second year of the project. This report follows the guidelines presented in the Deliverable D7.2- Initial Dissemination and Exploitation Plan [1], which establishes how to promote a widespread dissemination of scientific and industrial results while ensuring the confidentiality and protection of data.

The fulfilment of the Key Progress Indicators (KPIs) defined in D7.2 for the second year of the project is analysed in detail in this document, identifying the specific actions that have been done related to each KPI. Additionally, the items that were not entirely fulfilled, or in which the achievement has been difficult, are identified and mitigation actions are defined to enable the suitable execution of the planned dissemination and communications actions during the remaining duration of the project, and especially during the 3rd year.

Conclusions are presented on the achievement of the planned KPIs and on the planned actions to overcome any identified problems during the period 1st February 2021 – 31st January 2022).

2. Stakeholders and Target Groups

In this chapter the relevant stakeholders envisaged for engagement in project activities and the target groups, are addressed.

The strategy to maximize the project results, drawn in the Dissemination and Exploitation plan in the beginning of the project has proved to be effective, and, therefore, no changes were proposed, and the activities continued during the second year, according to the proposed plan. In this sense, the relevant stakeholders who are required to be on board to ensure the success of the project are as follows:

- Consumers;
- Large and small power generators;
- Network operators;
- Government;
- Local energy communities;
- P2P traders;
- Aggregators of VRE;
- VPP operators;
- Other market actors;
- Academia/researchers/students.

All these stakeholders are engaged since the first year of the project and the dissemination activities comprises tailored made measures to tackle these different groups. The main dissemination activities that involved contacts with target groups in the second year of the project are presented in Table 1, where the contacts were performed by the partners responsible for these activities, and in in Table A.1. (Annex I). the activities with social media indicators (views and data of publication).

To make easier this representation, the following codes were allocated to each event:

In Table 1 the following codes were used for event type:

- BW Book contributions written
- C Communication Campaign (e.g., Radio, TV, journals, announcements)
- E Exhibition
- F Flyer
- N Newsletter
- OW Organisation of Workshop
- PC Participation to a Conference
- PCP Published conference papers
- PEO Participation to an Event other than a Conference or a Workshop
- PAO Participation in activities organized jointly with other EU project(s)
- PIJ Published industrial journals
- PRC Press release and press conference
- PSJ Published scientific journals
- PW Participation to a Workshop
- RWG Representations in working groups

- SCP Submitted conference papers
- SIJ Submitted industrial journals
- SSJ Submitted scientific journals
- SSO Special Sessions organized in relevant international conferences
- T Training (e.g. summer schools, technical schools, webinars)
- The Thesis
- VF Video/Film
- WO Websites others
- WP Website partners

Note: in this deliverable we concatenate the long list of repetitive individual tables (with all the bullets listed above) in just two tables, Table 1 and Table A.1. (Annex I), to have an easy consultation and filling the indicators.

In Table 1, Table 3 and Table 4 the following codes were used to represent the stakeholders addressed:

- **C** - Consumers;
- **P** - Large and small power generators;
- **N** - Network operators;
- **G** - Government;
- **L** - Local energy communities;
- **T** - P2P traders;
- **R** - Academia/researchers/students.
- **A** - Aggregators of VRE;
- **V** - VPP operators;
- **O** - Other market actors;

Table 1 Contact with target group

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
RWG	Portuguese National Plan for Energy and Climate (NPEC)	-	-	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	IEA wind - International Energy Agency - Wind Executive Committee	-	-	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	EERA-ESI European Energy Research Agency – Energy Systems Integration	-	-	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	IEEE Power and Energy Society Multi-Agent Systems Working Group	-	-	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	IEEE Power and Energy Society Demand Response Working Group	-	-	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	IEEE PES AMPS ISS Intelligent Data Mining and Analysis (IDMA) WG	-	-	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PRC	https://plataformamedia.com/en/2022/01/28/new-markets-for-a-near-100-renewable-electricity-system-under-study-in-the-european-traderes-project/	-	28-01-2022	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PW	Online Strommarkttreffen PhD Seminar organized by two PhD Students from Hertie School of Government, Berlin featuring the following four presentations: Integrating Hydrogen in Single-Price Electricity Systems: The Effects of Spatial Economic Signals and Consequences for Redispatch (Frederik vom Scheidt (KIT) joint with Jingyi Qu, Philipp Staudt, Dharik Mallapragada, Christof Weinhardt) (Link) To what extent do renewable energy auctions cause a reduction of support payments and the construction of new power plants? (Silvana Tiedemann, Hertie School) Non-price and Price Determinants of Duck-like Demand: Pass-Through Costs and Welfare implications (Gloria Colmenares, University of Münster) Modelling Electricity Storage Needs in Europe: A Separation of Drivers (Alexander Roth (DIW) joint with Wolf-Peter Schill)	Online	29-01-2021	EnBW	-	✓	✓	-	-	-	✓	✓	✓	-
C	https://www.renovaveismagazine.pt/isep-na-vanguarda-da-id-para-integracao-de-energias-renovaveis/	-	19-02-2021	ISEP	✓	✓	✓	-	✓	✓	-	-	-	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PW	TradeRES made a presentation on the project approach for a group of agent-based modellers (NREL, KU Leuven, University of Maryland, University of Cologne)	Online	03-03-2021	VTT	-	✓	✓	-	-	-	✓	✓	✓	-
T	Participation in seminar ('tutorial') on Virtual Tutorial on Ancillary Services and Their Role in Systems with High Shares of Variable Renewable Energy (VRE) https://energynautics.com/en/tutorial-on-ancillary-services-announced/	Online	16-03-2021	TNO	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
PEO	Presentation of results of eXtremOS Project – Models and Scenarios for ways to a climate-neutral Europe (website with results: eXtremOS (ffe.de), DOI of one paper: 10.1109/EEM.2019.8916317))	Online	26-03-2020	EnBW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC	Participation in Euractive Virtual Conference on EU sector integration: how can the eu best create and leverage an integrated energy system? https://events.euractiv.com/event/info/sector-integration-how-can-the-eu-best-create-and-leverage-an-integrated-energy-system	Online	30-03-2021	TNO	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Tiago Pinto, Aria Jozi, Brigida Teixeira, Filipe Sousa, Daniel Ramos, Luis Gomes, Pedro Faria, Zita Vale, Multiagent Energy Consumption Forecasting System for Energy Management in Buildings, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK	Online, UK	03-05-2021 to 07-05-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
SCP	Gabriel Santos, Rui Carvalho, Tiago Pinto, Zita Vale, Carlos Ramos, Juan M. Corchado, Demonstration of Building's Reasoning for Intelligent Control Knowledge-based System, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK (Virtual)	Online, UK	03-05-2021 to 07-05-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
T	Tutorial AAMAS, TUTORIAL - CYBER-PHYSICAL MULTI-AGENT SYSTEMS, 2021 May 2021	Online	03-05-2021	ISEP	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
PC	Participation in AAMAS 2021	Online	03-05-2021 to 07-05-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SSJ	Helistö, Niina, Juha Kiviluoma, Germán Morales-España, Ciara O'Dwyer. "Impact of Operational Details and Temporal Representations on Investment Planning in Energy Systems Dominated by Wind and Solar." Applied Energy 290 (May 15, 2021): 116712. https://doi.org/10.1016/j.apenergy.2021.116712	-	15-05-2021	VTT	-	-	-	-	-	-	✓	-	-	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PSJ	Helistö, Niina, Juha Kiviluoma, Germán Morales-España, Ciara O’Dwyer. “Impact of Operational Details and Temporal Representations on Investment Planning in Energy Systems Dominated by Wind and Solar.” Applied Energy 290 (May 15, 2021): 116712. https://doi.org/10.1016/j.apenergy.2021.116712	-	15-05-2021	VTT	-	-	-	-	-	-	✓	-	-	-
PSJ	Hugo Algarvio. "The Role of Local Citizen Energy Communities in the Road to Carbon-Neutral Power Systems: Outcomes from a Case Study in Portugal". Smart Cities 2021, 4, 840-863. https://doi.org/10.3390/smartcities4020043	-	22-05-2021	LNEG	-	-	-	-	-	-	✓	-	-	-
SSJ	C. O’Dwyer, N. Helistö, D. Flynn. “Evolving Flexibility Service Requirements and their Impact on Investment Decisions and Costs”	-	06-2021	VTT	-	-	-	-	-	-	✓	-	-	-
SSO	Special session CEC 2021 (Special session “Evolutionary Algorithms for Complex Optimization in the Energy Domain” at CEC, Krakow, Poland, June 2021 http://www.gecad.isep.ipp.pt/ERM-competitions/ss2021/)	Krakow, Poland	06-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SSO	Competition CEC 2021 (Competition “Evolutionary Computation in the Energy Domain: Smart Grid Applications” at WCCI-CEC, Krakow, Poland, June 2021, and GECCO, Lille, France, July 2021 http://www.gecad.isep.ipp.pt/ERM-competitions/2021-2/)	Lille, France	06-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-

Table 1. Contact with target group (cont.)

Dissemination Activity						Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O	
T	ENTSO-E's stakeholder workshop ENTSO-E Market Consultation	Online	10-06-2021	LNEG	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
VF	If you forgot to join us at the webinar regarding "2030 Market Design Webinar" @ENTSO_E Watch now, for #free and access to the presentations #pdf. Video recording https://youtu.be/rV_DR1EMycY #webinar #wholesale #congestion #granularity #investments #market #stakeholders #debate #TSOs	-	10-06-2021	TU Delf	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
O	If you missed the first two TradeRES newsletters, you can check them to the link below, and check all the news. https://traderes.eu/newsletters/	Online	14-06-2021	ISEP	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
PC	39th International Energy Workshop (IEW, 14-17 June), 2021	Freiburg, Germany	14-06-2021 to 17-06-2021	TNO	-	✓	✓	-	-	-	✓	✓	✓	-	
SCP	Germán Morales, Elis Nycander and Jos Sijm. "Too Much of a Good Thing: Reducing Emissions by Curtailing Renewables in Power Systems Operation", to the 39th International Energy Workshop (IEW, 14-17 June), 2021	Freiburg, Germany	14-06-2021 to 17-06-2021	TNO	-	✓	✓	-	-	-	✓	✓	✓	-	

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PCP	Germán Morales, Elis Nycander and Jos Sijm. "Too Much of a Good Thing: Reducing Emissions by Curtailing Renewables in Power Systems Operation", to the 39th International Energy Workshop (IEW, 14-17 June), 2021 | http://resolver.tudelft.nl/uid:a8948b58-bc27-495a-bd2d-b75230eac857	Freiburg, Germany	14-06-2021 to 17-06-2021	TNO	-	✓	✓	-	-	-	✓	✓	✓	-
SSJ	Hugo Algarvio. "The Role of Local Citizen Energy Communities in the Road to Carbon-Neutral Power Systems: Outcomes from a Case Study in Portugal". Smart Cities 2021, 4, 840-863. https://doi.org/10.3390/smartcities4020043	-	2021	LNEG	-	-	-	-	-	✓	-	-	-	-
B	Ana Estanqueiro, António Couto, "New electricity markets. The challenges of variable renewable energy, Local Electricity Markets, Academic Press, Pages 3-20, 2021. https://doi.org/10.1016/B978-0-12-820074-2.00016-2 From Wholesale Energy Markets to Local Flexibility Markets: Structure and Operation, Local Electricity Markets, Elsevier IT IS BETTER IN 2021 FOR THE KPIs https://www.elsevier.com/books/local-electricity-markets/pinto/978-0-12-820074-2	-	03-07-2021	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
BW	Fernando Lopes, (probably in 2021) From Wholesale Energy Markets to Local Flexibility Markets: Structure and Operation, Local Electricity Markets, Elsevier https://www.elsevier.com/books/local-electricity-markets/pinto/978-0-12-820074-2	-	03-07-2021	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
SSJ	Md. Nasimul Islam Maruf, German Morales-Espana, Jos Sijm, Niina Helistö, Juha Kiviluoma, "Classification, Potential Role, and Modeling of Power-to-Heat and Thermal Energy Storage in Energy Systems", ArXiv Preprint ArXiv:2107.03960, 2021 | https://arxiv.org/abs/2107.03960	-	08-07-2021	TNO	-	-	-	-	-	-	✓	-	-	-
PSJ	Md. Nasimul Islam Maruf, German Morales-Espana, Jos Sijm, Niina Helistö, Juha Kiviluoma, "Classification, Potential Role, and Modeling of Power-to-Heat and Thermal Energy Storage in Energy Systems", ArXiv Preprint ArXiv:2107.03960, 2021 | https://arxiv.org/abs/2107.03960	-	08-07-2021	TNO	-	-	-	-	-	-	✓	-	-	-
PW	2021 IEEE PES General Meeting (GM), Virtual	Online	26-07-2021 to 29-07-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PW	Panel Session: Performance evaluation of artificial intelligence methods for energy consumption forecasting using open data sets, 2021 IEEE Power and Energy Society General Meeting (PES-GM 2021), online, July 2021	Online	26-07-2021 to 29-07-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
Thesis	Master thesis, Hommes, J., & Cvetkovic, M. (2021). Exploring Soft-linking of Market Modules and an Optimization Model. http://repository.tudelft.nl/. | More information here: http://resolver.tudelft.nl/uuid:63691862-9a26-4df3-b6dd-57bed6c9d8a5	-	30-08-2021	TU Delf	-	-	-	-	-	-	✓	-	-	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PW	Conference Paper to be handed in for the AAEE PhD Day on the 7th September	Online	07-09-2021	DLR	-	✓	✓	-	-	-	✓	✓	✓	-
PC	TradeRES participated in EEEIC 2021 International Conference on Environment and Electrical Engineering, on 7-10th September, 2021, Italy, with two accepted papers.	Online	07-09-2021 to 10-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Nuno Teixeira, Luis Gomes, Zita Vale, "Data Access Mechanism to Allow Multiple Level Permissions in Energy Management Solutions Supported by IoT devices", EEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy	-	07-09-2021 to 10-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Fernando Lezama, Zita Vale, "Bidding in Local Energy Markets Considering Uncertainty from Renewables and Demand", EEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy	-	07-09-2021 to 10-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Nuno Teixeira, Luis Gomes, Zita Vale, "Data Access Mechanism to Allow Multiple Level Permissions in Energy Management Solutions Supported by IoT devices", EEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy. https://doi.org/10.1109/EEEIC/ICPSEurope51590.2021.9584750	-	07-09-2021 to 10-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PCP	Fernando Lezama, Zita Vale, "Bidding in Local Energy Markets Considering Uncertainty from Renewables and Demand", IEEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy. https://doi.org/10.1109/IEEEIC/ICPSEurope51590.2021.9584480	-	07-09-2021 to 10-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PC	TradeRES participated in IEWT - Internationale Energiewirtschaftstagung, with the paper: "Agentenbasierte Modellierung von Lastmanagement im deutschen Stromsektor". Publication: https://bit.ly/3H696EG Presentation: https://bit.ly/3rMxO6G #Lastmanagement #Strommarktmodellierung	Online and Vienna	08-09-2021 to 09-09-2021	DLR	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Johannes Kochems, Christoph Schimeczek, "Agentenbasierte Modellierung von Lastmanagement im deutschen Stromsektor", IEWT – Internationale Energiewirtschaftstagung, 08-10. September, 2021, Wien, Österreich.	-	08-09-2021 to 09-09-2021	DLR	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Johannes Kochems, Christoph Schimeczek, "Agentenbasierte Modellierung von Lastmanagement im deutschen Stromsektor", IEWT – Internationale Energiewirtschaftstagung, 08-10. September, 2021, Wien, Österreich. https://elib.dlr.de/147017/1/Langfassung_IEWT_2021_Kochems_Schimeczek.pdf	Frankfurt, Germany	08-09-2021 to 09-09-2021	DLR	-	✓	✓	-	-	-	✓	✓	✓	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
SCP	Tiago Pinto, Aria Jozi, Brigida Teixeira, Filipe Sousa, Daniel Ramos, Luis Gomes, Pedro Faria, Zita Vale, "Energy Consumption Forecasting System for Energy Management", AAAI2022, February 22 to March 1 of 2022, Virtual	-	08-09-2021 to 09-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PC	TradeRES participated in Spine toolbox conference "Example workflow from EU project TradeRES to serve multiple models", it is possible check the presentation at: https://youtu.be/jaDlxonOmfY?t=3722 More info: http://www.spine-model.org/spine_webinar.htm#2	Online	08-09-2021	TU Delf	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Catarina Ribeiro, Tiago Pinto, Zita Vale, José Baptista, "Dynamic Remuneration of Electricity Consumers Flexibility", ICEER 2021 - The 8th International Conference on Energy and Environment Research, 13 – 17 September 2021	-	13-09-2021 to 17-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Catarina Ribeiro, Tiago Pinto, Zita Vale, José Baptista, "Dynamic Remuneration of Electricity Consumers Flexibility", ICEER 2021 - The 8th International Conference on Energy and Environment Research, 13 – 17 September 2021	-	13-09-2021 to 17-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PC	TradeRES is participating in the #SEEP 2021 (13th International Conference on Sustainable Energy & Environmental Protection), 13th September to 16th, (online).	Online	13-09-2021 to 16-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
SCP	Bruno Veiga, Gabriel Santos, Tiago Pinto, Ricardo Faia, Carlos Ramos, Zita Vale, "Electricity market and power flow services for dynamic market simulations", SEEP 2021 - 13th International Conference on Sustainable Energy & Environmental Protection, Vienna, Austria, 13 – 16 September 2021,	-	13-09-2021 to 16-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PC	One more TradeRES participation, talk, at conference @INREC2021, to-day and tomorrow (September 15th-16th). @unidue Planned Contribution: "Integrating demand response into an agent-based model of the German electricity sector", Conference talk for the INREC 2021 on 15th and 16th September Contents address some example case study.	Duisburg, Deutschland	15-09-2021 to 16-09-2021	DLR	-	✓	✓	-	-	-	✓	✓	✓	-
PC	8th International Conference on Energy and Environment Research, from September 15th to 17th).	Online	15-09-2021 to 17-09-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
T	TradeRES is participating in the summer school "Forecasts within Energy Markets", which will end on 1 of October. https://www.pro-ko-mo.de/182.php @BTU_CS @kitkarlsruhe	Karlsruhe	24-09-2021 to 01-10-2021	TU Delf	✓	✓	✓	-	✓	✓	✓	✓	✓	✓

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PRC	https://www.linkedin.com/posts/isep_1st-public-workshop-traderes-tools-activity-6849713287249104896-2zYK/	-	01-10-2021	ISEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SSJ	Hugo Algarvio, Fernando. Lopes, "Agent-based retail competition and portfolio optimization in liberalized electricity markets: A study involving real-world consumers ", International Journal of Electrical Power & Energy Systems, Volume 137, 2022	-	03-10-2021	LNEG	-	-	-	-	-	-	✓	-	-	-
OW	TradeRES project invites you to the 1st Public Workshop which will be held online by 20 and 21 October 2021, 14h00 to 16h15 CET (Brussels time) @zoom. It will be possible to interact and participate in Q&A (@slack). Registration is #free: https://bit.ly/3ATxgix More info: https://lnkd.in/e6XTVGmM	Online	20-10-2021 to 21-10-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SSJ	Oxford Open Energy "Adequacy assessment in a flexible power system, with shortages but no outages"	-	22-10-2021	TU Delf	-	-	-	-	-	-	✓	-	-	-
VF	TradeRES recording DAY 1 https://www.youtube.com/watch?v=jv4Mj_q8U6A	Online	25-10-2021	ISEP	✓	✓	✓	-	✓	✓	✓	✓	✓	✓

Table 1. Contact with target group (cont.)

Dissemination Activity						Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O	
VF	TradeRES recording DAY 2 https://www.youtube.com/watch?v=FMNNfzdssFg	Online	25-10-2021	ISEP	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
PAO	TradeRES participation, in the EMP-E 2021 Conference - Re-Energising Sustainable Transitions in Europe | More info at: https://emp-e-2021.b2match.io	Online	26-10-2021 to 28-10-2021	VTT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PW	TradeRES participated in the Task 25 workshop. All the details here: https://iea-wind.org/task25	Online	02-11-2021 to 04-11-2021	TU Delf	-	✓	✓	-	-	-	✓	✓	✓	-	
PEO	ExCO meeting IEA (LNEG) - presentation	Online	11-11-2021	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
E	Participation in Enlit Europe (Formerly European Utility Week and POWERGEN Europe)	Frankfurt, Germany	29-11-2021 to 01-12-2021	Smartwatt	-	✓	✓	-	-	-	-	✓	✓	-	

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
PC	SSCI 2021 - Session SS7: Special Session on Computational Intelligence Approaches for Efficient Energy Transition, Tuesday, December 7, 11:00AM-12:00PM, Room: Room 2, Chair: Tiago Pinto, Eduardo Gomez-Ramirez	Online	05-12-2021 to 07-12-2021	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SIJ	Submission and acceptance of Paper "Ist das europäische Strommarktdesign geeignet für ein 100% erneuerbares Energiesystem?" by Silke Johandeiter, André Lust und Clemens Cremer in Energiewirtschaftliche Tagesfragen (to be published in April 2022)	-	22-12-2021	EnBW	-	✓	✓	-	-	-	✓	✓	✓	✓
PSJ	Hugo Algarvio, Fernando Lopes, "Agent-based retail competition and portfolio optimization in liberalized electricity markets: A study involving real-world consumers ", International Journal of Electrical Power & Energy Systems, Volume 137, 2022 https://doi.org/10.1016/j.ijepes.2021.107687	-	30-12-2021	LNEG	-	-	-	-	-	-	✓	-	-	-
O	https://www.lneg.pt/lneg-co-organiza-1o-workshop-do-projeto-h2020-traderes-new-markets-design-and-models-for-100-renewable-power-systems/	-	20-01-2022	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SSJ	Ana Rita Silva, Ana Estanqueiro, "Hybrid Power Plants: Technical-Economic Evaluation and Contributions for Optimal Design", Submitted to Energies in January 2022	-	23-01-2022	LNEG	-	-	-	-	-	-	✓	-	-	-

Table 1. Contact with target group (cont.)

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	C	P	N	G	L	T	R	A	V	O
SSJ	Ana Rita Silva, Hugo M. I. Pousinho, Ana Estanqueiro, "A Multistage Stochastic Approach for the Optimal Bidding of Variable Renewable Energy in the Day-Ahead, Intraday and Balancing Markets", Energy (Elsevier) in January 2022.	-	23-01-2022	LNEG	-	-	-	-	-	-	✓	-	-	-
N	Don't miss out on our ⚡#NEWSLETTER, with our achievements so far, available at: https://traderes.eu/newsletters/	Online	28-01-2022	ISEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3. Public Deliverables

To improve the dissemination level of the project activities, part of the deliverables are Public and are available for download at TradeRES website [2].

Table 2 presents the list of all public deliverables, and the state of the deliverable is presented in the last column (Status), as published (“√”), not published (“×”), or not available or not applicable (“NA”).

Table 2 List of Public Deliverables¹².

Deliverable Number	Deliverable Title	WP Number	Lead Beneficiary	Type	Due Date (months)	Status
D2.1	D2.1 – A database of TradeRES scenarios	WP2	VTT	Other	9	√
D2.2	D2.2 – A description of improvements in the system optimization models used in the TradeRES project	WP2	TNO	Report	22	N/A
D2.3	D2.3 – How to use TradeRES optimization models database	WP2	VTT	Report	32	N/A
D3.1	D3.1 – Performance specifications for a ~ 100% RES system	WP3	TU Delft	Report	13	√
D3.2	D3.2 – Characterization of new flexible players	WP3	Imperial	Report	17	√
D3.3	D3.3 – Design of ancillary service markets and products	WP3	TNO	Report	17	√
D3.4	D3.4 – Market design choices for efficient sector integration	WP3	VTT	Report	12	√

¹ All the deliverables were delivered in time, with exception of D2.2, that due to an health problem from the responsible was authorized to be submitted in month 25.

² This deliverable, D7.4b, will be available after submission.

Table 2. List of Public Deliverables (cont.)

Deliverable Number	Deliverable Title	WP Number	Lead Beneficiary	Type	Due Date (months)	Status
D3.5	D3.5 – Market design for a reliable ~100% renewable electricity system	WP3	TU Delft	Report	12	✓
D4.1	D4.1.1 – Temporal flexibility options in electricity market simulation models	WP4	DLR	Report	19	✓
D4.2	D4.1.2 – Sectoral flexibility options in electricity market simulation models	WP4	VTT	Report	21	✓
D4.3	D4.1.3 – Spatial flexibility options in electricity market simulation models	WP4	ISEP	Report	21	✓
D4.4	D4.2.1 – New actor types in electricity market simulation models	WP4	Imperial	Report	19	✓
D4.5	D4.2.2 – New market designs in electricity market simulation models	WP4	TU Delft	Report	19	✓
D4.7	D4.3.2 – Principles and usage of a multi- simulation electricity market tool	WP4	TU Delft	Report	11	✓
D4.8	D4.3 – Open-access tool of linked electricity market model	WP4	VTT	Other	21	✓
D4.9	D4.4 – New forecast tools to enhance the value of VRE on the electricity markets	WP4	LNEG	Report	21	✓
D5.2	D5.2 – Performance assessment of current and new market designs and trading mechanisms for Local Energy Communities (Case Study A)	WP5	BY	Report	31	N/A

Table 2. List of Public Deliverables (cont.)

Deliverable Number	Deliverable Title	WP Number	Lead Beneficiary	Type	Due Date (months)	Status
D5.3	D5.3 – Performance assessment of current and new market designs and trading mechanisms for National and Regional Markets	WP5	LNEG	Report	34	N/A
D5.5	D5.5 – Comparative analysis of market designs	WP5	ISEP	Report	45	N/A
D6.2	D6.2.1 – User guide for TradeRES models and tools	WP6	ISEP	Report	25	N/A
D6.3	D6.2.2 – Tutorial and webinar edited material	WP6	ISEP	Report	27	N/A
D6.5	D6.4 – Recommendations for market trading in a ~100% power system	WP6	BY	Report	46	N/A
D7.1	D7.1 – Project website	WP7	SMARTWATT	Websites, patents filing, etc.	3	✓
D7.3	D7.3 – TradeRES Data Management Plan DMP Report	WP7	ISEP	ORDP: Open Research Data Pilot	6	✓
D7.4a	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	13	✓
D7.4b	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	25	×
D7.4c	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	37	N/A
D7.4d	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	49	N/A

4. Key Performance Indicators (KPI)

This Chapter presents the main indicators to evaluate the overall performance of the project. The KPI's were previously presented in the deliverable D7.2, Initial Dissemination and Exploitation Plan and maintained during the second year. Table 3 and Table 4 present the overall information about the KPI's. The column "2nd year achieved" shows the actual accomplishment in the 2nd year of the project. Three statuses are foreseen: accomplished ("✓"); not accomplished ("×"); or not available/not applicable ("N/A").

Table 3. Fulfilment indicators.

KPI	Partner	2nd Year Target	2nd Year Achieved	Status
Dissemination plan	ISEP	1	1	✓
Dissemination activity report	LNEG	1	1	✓
Project logotype	ISEP	1	1	✓
Project website	SMARTWATT	1	1	✓
Project Wordpress blog	ISEP	1	1	✓
LinkedIn project page	ISEP	1	1	✓
Twitter project page	ISEP	1	1	✓
Facebook project page	ISEP	1	1	✓
ResearchGate page	ISEP	1	1	✓
Market Design Web Decision Tool	All	-	-	N/A
TradeRES Market Tool	Project Partners	-	-	N/A

According to Table 3, all targets for the second year were successfully achieved.

Table 4. Dissemination KPIs.

KPI	Stakeholder addressed	2nd Year Target	2nd Year Achieved	Status
Press release and press conference	All	2	2	✓
Flyer	All	0	0	✓
Communication Campaign (e.g. Radio, TV, journals, announcements)	C, P, N, L, T	1	1	✓
Newsletter	All	2	1	×
Video/Film	All except G	1	3	✓
No. of posts on Blog (N & E)	C, T, R	7	20	✓
No. of views on Blog (N & E)	C, T, R	50	43	×
No. of posts on LinkedIn	P, G, A, V	8	30	✓
No. of views on LinkedIn	P, G, A, V	125	2081	✓
No. of posts on Twitter	All, except R	7	29	✓
No. of views on Twitter	All, except R	125	3412	✓
No. of posts on Facebook	C, L, T, O	6	11	✓
No. of views on Facebook	C, L, T, O	125	182	✓
No. of reads ResearchGate	R	50	130	✓
No. of unique visitors to the public website	All	450	3923	✓
Exhibition	P, N, A, V	1	1	✓
Training (e.g. summer schools, technical schools, webinars)	All except G	1	4	✓
No. Training Participants (e.g. summer and technical schools, webinars)	All except G	25	370	✓

Table 4. Dissemination KPIs (cont.)

KPI	Stakeholder addressed	2nd Year Target	2nd Year Achieved	Status
Special Sessions organized in relevant international conferences	P, N, R, A, V	1	2	✓
No. participants in the organized special sessions	P, N, R, A, V	25	50	✓
Organization of Workshop	P, N, R, A, V	1	1	✓
No. participants in the organized Workshop	P, N, R, A, V	70	390	✓
Participation to a Workshop	P, N, R, A, V	4	5	✓
No. participants in the Workshop	P, N, R, A, V	280	195	×
Participation to a Conference	P, N, R, A, V	7	11	✓
No. participants reached in the Conference	P, N, R, A, V	1400	1647	✓
Participation to an Event other than a Conference or a Workshop (e.g., specific thematic events)	All	1	2	✓
No. participants reached in the Event other than a Conference or a Workshop	All	30	300	✓
Published scientific journals	R	3	4	✓
Submitted scientific journals	R	5	8	✓
Published industrial journals	P, N, A, V, O	0	0	✓
Submitted industrial journals	P, N, A, V, O	1	1	✓
Published conference papers	P, N, R, A, V	7	5	×
Submitted conference papers	P, N, R, A, V	8	9	✓

Table 4. Dissemination KPIs (cont.)

KPI	Stakeholder addressed	2 nd Year Target	2 nd Year Achieved	Status
Book contributions written	P, N, R, A, V	1	2	✓
Representations in working groups	P, N, R, A, V	5	6	✓
Participation in activities organized jointly with other EU project(s)	All	1	1	✓

According to Table 4, some of the KPIs were not accomplished, namely: the newsletter short by 1 entry (the 4th newsletter will report the work developed in the 3rd semester of the project) and the number of views on the blog (Slack) is short by 7. This platform is preferentially directed to partners, although it was also meant to be used in organized events (as it was in the first project's workshop). Also, Slack's basic account is limited to 100 invitations, which is also a limitation to its broad use. In this sense, there will be the need to update the list of KPIs in the next reports, and remove Slack from the list, giving the opportunity to concentrate efforts in the others (e.g., website). Nevertheless, this platform will be maintained active.

In terms of participation in workshops, although the number of events was exceeded, nr. of participants was below the expected (85 participants less than the foreseen), and finally, there were less than 2 Published Conference papers in the foreseen KPI. This was due to a delay in the submission/approval of one paper (which will be published in the next period) and to the rejection of another.

On the other hand, some indicators have exceeded the expectations in what concerns the established targets, namely, social media channels, where, LinkedIn, Twitter, and Facebook. In these platforms, the number of targeted views was exceeded by a big margin. In Twitter, the views were almost 30x higher. Also, the targets for ResearchGate and the project website were higher than expected.

In what concerns training, the number of participants was largely exceeded (370 participants when the target was 25, with 4 entries). Also, in the same topic, the workshop organized by TradeRES had 390 participants on the day of the event. Since the recordings are present in YouTube, it is expected that the number of views may increase this KPI value.

In Summary, participation in workshops, conferences, and other events were exceeded by 1, 4, and 1 respectively. In what concerns publications, in general, these were above the targets, being the number of submitted papers (in journals) exceeded in 3 publications.

In order to understand the type of dissemination action in more detail and the stakeholders' addressed, the KPI list is presented in Table A.1. (Annex I). In what concerns the publications, it was important to follow the process from submission to approval (or rejection). In this sense, the content of the table is organized from the oldest to the most recent.

5. Conclusion

This report presents the activities carried out to promote and disseminate the results achieved in the second year of the project and following the Initial Dissemination and Exploitation Plan (D7.2).

In the reporting period - 2021-02-01 to 2022-01-31, almost all KPIs have been reached, while some have even exceeded the proposed target.

Nevertheless, some indicators were more difficult to achieve, and the main difficulties were related to the participation in international events, since, although most events are being held online, others were postponed or even cancelled due to the COVID-19 pandemic. However, the consortium was able to adjust to the situation and to accomplish the great majority of the proposed KPIs.

In what concerns the number of visitors and views targets', this constituted another difficulty, as it was already experienced in the first year of the project, especially in some of the social media pages. Although it was possible to fulfil the KPIs related to this issue, the consortium envisages a continuous difficulty during the remaining duration of the project, which will be addressed and mitigated by enlarging the number of people from the identified target groups that will be contacted and invited to visit and interact with the project social media pages.

In what concerns "people reached in workshops" and "conferences publications", these topics can be improved during next year, when it is expected that more physical events occur and increase the number of conference papers.

One of the dissemination platforms envisaged in the project is Slack. The activity by external visitors on this platform has been quite reduced during the project. This may be due to the ignorance of this platform, or that it is deprecated in favor of other better known of the public and R&D communities. In this sense, the consortium has fomented its use in the workshop organized in October 2021 and will continue to include it in the events to be organized in the future.

The goal for the next period (2022-02-01 to 2023-01-31) is to continue working towards the dissemination targets, as well as to continue investing in traditional media, press releases, industrial journals, and books, organized special sessions, participate in working groups and newsletters. With this achievement, it is possible to reach a larger audience and make TradeRES an even more recognizable project.

References

- [1] D. São José, F. Sousa, and T. Pinto, “D7.2 Initial Dissemination and Exploitation Plan (D4)”, TradeRES project deliverable v1.0, p. 31, May 2020.
- [2] Project Website, available at <https://traderes.eu>
- [3] Slack: <https://traderesworkspace.slack.com/>
- [4] LinkedIn: <https://www.linkedin.com/company/traderes>
- [5] Twitter: <https://twitter.com/TradeRESproject>
- [6] Facebook: <https://www.facebook.com/TradeRESproject>
- [7] ResearchGate: <https://www.researchgate.net/project/TradeRES-New-Markets-Design-Models-for-100-Renewable-Power-Systems>

Annex I – Detailed list of KPI

Table A1. Detailed List of KPI.

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
RWG	Portuguese National Plan for Energy and Climate (NPEC)	-	-	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
RWG	IEA wind - International Energy Agency - Wind Executive Committee	-	-	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
RWG	EERA-ESI | European Energy Research Agency – Energy Systems Integration	-	-	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
RWG	IEEE Power and Energy Society Multi-Agent Systems Working Group	-	-	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
RWG	IEEE Power and Energy Society Demand Response Working Group	-	-	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
RWG	IEEE PES AMPS ISS Intelligent Data Mining and Analysis (IDMA) WG	-	-	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

		Dissemination Activity					Channels (date of the post and views)										
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PRC	https://plataformamedia.com/en/2022/01/28/new-markets-for-a-near-100-renewable-electricity-system-under-study-in-the-european-traderes-project/	-	28-01-2022	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
PW	<p>Online Strommarkttreffen PhD Seminar organized by two PhD Students from Hertie School of Government, Berlin featuring the following four presentations: Integrating Hydrogen in Single-Price Electricity Systems: The Effects of Spatial Economic Signals and Consequences for Redispatch (Frederik vom Scheidt (KIT) joint with Jingyi Qu, Philipp Staudt, Dharik Mallapragada, Christof Weinhardt). To what extent do renewable energy auctions cause a reduction of support payments and the construction of new power plants? (Silvana Tiedemann, Hertie School)</p> <p>Non-price and Price Determinants of Duck-like Demand: Pass-Through Costs and Welfare implications (Gloria Colmenares, University of Münster)</p> <p>Modelling Electricity Storage Needs in Europe: A Separation of Drivers (Alexander Roth joint with Wolf-Peter Schill)</p>	Online	29-01-2021	50	EnBW	.	.	.	.	.	.	.	.	.	.	01-10-2021	.

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
C	https://www.renovaveismagazine.pt/isep-na-vanguarda-da-id-para-integracao-de-energias-renovaveis/	-	19-02-2021	500	ISEP	-	-	-	-	-	-	-	-	-	-	-	-
PW	TradeRES made a presentation on the project approach for a group of agent-based modellers (NREL, KU Leuven, University of Maryland, University of Cologne)	Online	03-03-2021	11	VTT	-	-	09-07-2021	67	09-07-2021	79	-	-	-	-	09-07-2021	-
T	Participation in seminar ('tutorial') on Virtual Tutorial on Ancillary Services and Their Role in Systems with High Shares of Variable Renewable Energy (VRE) https://energynautics.com/en/tutorial-on-ancillary-services-announced/	Online	16-03-2021	20	TNO	21-04-2021	-	21-04-2021	44	21-04-2021	84	22-04-2021	9	-	-	21-04-2021	-
PEO	Presentation of results of eXtremOS Project – Models and Scenarios for ways to a climate-neutral Europe (website with results: eXtremOS (ffe.de), DOI of one paper: 10.1109/EEM.2019.8916317))	Online	26-03-2020	200	EnBW	-	-	-	-	-	-	-	-	-	-	28-10-2021	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PC	Participation in Euractive Virtual Conference on EU sector integration: how can the eu best create and leverage an integrated energy system? https://events.euractiv.com/event/info/sector-integration-how-can-the-eu-best-create-and-leverage-an-integrated-energy-system	Online	30-03-2021	617	TNO	26-04-2021	-	26-04-2021	46	26-04-2021	90	-	-	26-04-2021	-	26-04-2021	-
SCP	Tiago Pinto, Aria Jozi, Brigida Teixeira, Filipe Sousa, Daniel Ramos, Luis Gomes, Pedro Faria, Zita Vale, Multiagent Energy Consumption Forecasting System for Energy Management in Buildings, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK	Online, UK	03-05-2021 to 07-05-2021	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
SCP	Gabriel Santos, Rui Carvalho, Tiago Pinto, Zita Vale, Carlos Ramos, Juan M. Corchado, Demonstration of Building's Reasoning for Intelligent Control Knowledge-based System, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK (Virtual)	Online, UK	03-05-2021 to 07-05-2021	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
	Tutorial AAMAS, TUTORIAL - CYBER-PHYSICAL MULTI-AGENT SYSTEMS, 2021 May 2021	Online	03-05-2021	80	ISEP	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PC	Participation in AAMAS 2021	Online	03-05-2021 to 07-05-2021	100	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
SSJ	Helistö, Niina, Juha Kiviluoma, Germán Morales-España, Ciara O'Dwyer. "Impact of Operational Details and Temporal Representations on Investment Planning in Energy Systems Dominated by Wind and Solar." Applied Energy 290 (May 15, 2021): 116712. https://doi.org/10.1016/j.apenergy.2021.116712	-	15-05-2021	-	VTT	.	.	.	.	.	.	.	.	.	.	.	.
PSJ	Helistö, Niina, Juha Kiviluoma, Germán Morales-España, Ciara O'Dwyer. "Impact of Operational Details and Temporal Representations on Investment Planning in Energy Systems Dominated by Wind and Solar." Applied Energy 290 (May 15, 2021): 116712. https://doi.org/10.1016/j.apenergy.2021.116712	-	15-05-2021	-	VTT	30-04-2021	.	.	.	.	.	.	.	.	.	30-04-2021	.
PSJ	Hugo Algarvio. "The Role of Local Citizen Energy Communities in the Road to Carbon-Neutral Power Systems: Outcomes from a Case Study in Portugal". Smart Cities 2021, 4, 840-863. https://doi.org/10.3390/smartcities4020043	-	22-05-2021	-	LNEG	04-06-2021	.	.	.	.	.	.	.	.	.	04-06-2021	.

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
SSJ	C. O'Dwyer, N. Helistö, D. Flynn. "Evolving Flexibility Service Requirements and their Impact on Investment Decisions and Costs"	-	06-2021	-	VTT	-	-	-	-	-	-	-	-	-	-	-	-
SSO	Special session CEC 2021 (Special session "Evolutionary Algorithms for Complex Optimization in the Energy Domain" at CEC, Krakow, Poland, June 2021 http://www.gecad.isep.ipp.pt/ERM-competitions/ss2021/)	Krakow, Poland	06-2021	20	ISEP	-	-	07-09-2021	53	07-09-2021	34	-	-	-	-	-	-
SSO	Competition CEC 2021 (Competition "Evolutionary Computation in the Energy Domain: Smart Grid Applications" at WCCI-CEC, Krakow, Poland, June 2021, and GECCO, Lille, France, July 2021 http://www.gecad.isep.ipp.pt/ERM-competitions/2021-2/)	Lille, France	06-2021	30	ISEP	-	-	-	-	07-09-2021	-	-	-	-	-	-	-
T	ENTSO-E's stakeholder workshop ENTSO-E Market Consultation	Online	10-06-2021	250	LNEG	12-07-2021	-	12-07-2021	61	12-07-2021	78	12-07-2021	14	-	-	12-07-2021	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
VF	If you forgot to join us at the webinar regarding "2030 Market Design Webinar" @ENTSO_E Watch now, for #free and access to the presentations #pdf. Video recording https://youtu.be/rV_DR1EMycY #webinar #wholesale #congestion #granularity #investments #market #stakeholders #debate #TSOs	-	10-06-2021	200	TU Delf	20-07-2021	-	20-07-2021	79	20-07-2021	63	20-07-2021	19	-	-	20-07-2021	-
O	If you missed the first two TradeRES newsletters, you can check them to the link below, and check all the news. https://traderes.eu/newsletters/	Online	14-06-2021	2000	ISEP	14-06-2021	-	14-06-2021	72	14-06-2021	70	14-06-2021	13	-	-	14-06-2021	-
PC	39th International Energy Workshop (IEW, 14-17 June), 2021	Freiburg, Germany	14-06-2021 to 17-06-2021	40	TNO	-	-	11-05-	62	11-05-	75	-	-	-	-	18-06-	-
SCP	Germán Morales, Elis Nycander and Jos Sijm. "Too Much of a Good Thing: Reducing Emissions by Curtailing Renewables in Power Systems Operation", to the 39th International Energy Workshop (IEW, 14-17 June), 2021	Freiburg, Germany	14-06-2021 to 17-06-2021	-	TNO	-	-	-	-	-	-	-	-	-	-	-	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PCP	Germán Morales, Elis Nycander and Jos Sijm. "Too Much of a Good Thing: Reducing Emissions by Curtailing Renewables in Power Systems Operation", to the 39th International Energy Workshop (IEW, 14-17 June), 2021 | http://resolver.tudelft.nl/uuid:a8948b58-bc27-495a-bd2d-b75230eac857	Freiburg, Germany	14-06-2021 to 17-06-2021	-	TNO	-	-	-	-	-	-	-	-	-	-	14-10-2021	-
SSJ	Hugo Algarvio. "The Role of Local Citizen Energy Communities in the Road to Carbon-Neutral Power Systems: Outcomes from a Case Study in Portugal". Smart Cities 2021, 4, 840-863. https://doi.org/10.3390/smartcities4020043	-	2021	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
B	Ana Estanqueiro, António Couto, "New electricity markets. The challenges of variable renewable energy, Local Electricity Markets, Academic Press, Pages 3-20, 2021. https://doi.org/10.1016/B978-0-12-820074-2.00016-2 From Wholesale Energy Markets to Local Flexibility Markets: Structure and Operation, Local Electricity Markets, Elsevier IT IS BETTER IN 2021 FOR THE KPIS https://www.elsevier.com/books/local-electricity-markets/pinto/978-0-12-820074-2	-	03-07-2021	-	LNEG	22-09-2021	-	22-09-2021	32	22-09-2021	66	-	-	-	-	09-2021	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
BW	Fernando Lopes, (probably in 2021) From Wholesale Energy Markets to Local Flexibility Markets: Structure and Operation, Local Electricity Markets, Elsevier https://www.elsevier.com/books/local-electricity-markets/pinto/978-0-12-820074-2	-	03-07-2021	-	LNEG	-	-	30-07-2021	78	30-07-2021	56	-	-	-	-	09-2021	-
SSJ	Md. Nasimul Islam Maruf, German Morales-Espana, Jos Sijm, Niina Helistö, Juha Kiviluoma, "Classification, Potential Role, and Modeling of Power-to-Heat and Thermal Energy Storage in Energy Systems", ArXiv Preprint ArXiv:2107.03960, 2021 | https://arxiv.org/abs/2107.03960	-	08-07-2021	-	TNO	-	-	-	-	-	-	-	-	-	-	-	-
PSJ	Md. Nasimul Islam Maruf, German Morales-Espana, Jos Sijm, Niina Helistö, Juha Kiviluoma, "Classification, Potential Role, and Modeling of Power-to-Heat and Thermal Energy Storage in Energy Systems", ArXiv Preprint ArXiv:2107.03960, 2021 | https://arxiv.org/abs/2107.03960	-	08-07-2021	-	TNO	28-10-2021	-	28-10-2021	92	28-10-2021	56	-	-	-	-	28-10-2021	-
PW	2021 IEEE PES General Meeting (GM), Virtual	Online	26-07-2021 to 29-07-2021	400	ISEP	-	-	-	-	-	-	-	-	-	-	-	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PW	Panel Session: Performance evaluation of artificial intelligence methods for energy consumption forecasting using open data sets, 2021 IEEE Power and Energy Society General Meeting (PES-GM 2021), online, July 2021	Online	26-07-2021 to 29-07-2021	90	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
Thesis	Master thesis, Hommes, J., & Cvetkovic, M. (2021). Exploring Soft-linking of Market Modules and an Optimization Model. http://repository.tudelft.nl/. | More information here: http://resolver.tudelft.nl/uuid:63691862-9a26-4df3-b6dd-57bed6c9d8a5	-	30-08-2021	-	TU Delft	.	.	.	.	.	.	.	.	.	.	13-10-2021	.
PW	Conference Paper to be handed in for the AAEE PhD Day on the 7th September	Online	07-09-2021	20	DLR	.	.	27-01-2022	60	27-01-2022	22	27-11-2021	7	.	.	27-01-2022	.
PC	TradeRES participated in EEEIC 2021 International Conference on Environment and Electrical Engineering, on 7-10th September, 2021, Italy, with two accepted papers.	Online	07-09-2021 to 10-09-2021	70	ISEP	.	.	.	.	.	.	.	.	.	.	14-01-2022	.

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
SCP	Nuno Teixeira, Luis Gomes, Zita Vale, "Data Access Mechanism to Allow Multiple Level Permissions in Energy Management Solutions Supported by IoT devices", IEEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy	-	07-09-2021 to 10-09-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	27-10-2021	-
SCP	Fernando Lezama, Zita Vale, "Bidding in Local Energy Markets Considering Uncertainty from Renewables and Demand", IEEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy	-	07-09-2021 to 10-09-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	27-10-2021	-
PCP	Nuno Teixeira, Luis Gomes, Zita Vale, "Data Access Mechanism to Allow Multiple Level Permissions in Energy Management Solutions Supported by IoT devices", IEEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy. https://doi.org/10.1109/IEEEIC/ICPSEurope51590.2021.9584750	-	07-09-2021 to 10-09-2021	-	ISEP	27-12-2021	-	27-12-2021	182	27-12-2021	43	-	-	27-12-2021	-	27-12-2021	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PCP	Fernando Lezama, Zita Vale, "Bidding in Local Energy Markets Considering Uncertainty from Renewables and Demand", IEEEIC 2021 International Conference on Environment and Electrical Engineering, 7th -10th September, 2021, Bari, Italy. https://doi.org/10.1109/IEEEIC/ICPSEurope51590.2021.9584480	-	07-09-2021 to 10-09-2021	-	ISEP	27-12-2021	-	27-12-2021		27-12-2021		-	-	27-12-2021	-	27-12-2021	-
PC	TradeRES participated in IEWT - Internationale Energiewirtschaftstagung, with the paper: "Agentenbasierte Modellierung von Lastmanagement im deutschen Stromsektor". Publication: https://bit.ly/3H696EG Presentation: https://bit.ly/3rMxO6G #Lastmanagement #Strommarktmodellierung	Online and Vienna	08-09-2021 to 09-09-2021	30	DLR	26-01-2022	-	26-01-2022	36	26-01-2022	22	-	-	-	-	26-01-2022	-
SCP	Johannes Kochems, Christoph Schimeczek, "Agentenbasierte Modellierung von Lastmanagement im deutschen Stromsektor", IEWT – Internationale Energiewirtschaftstagung, 08-10. September, 2021, Wien, Österreich.	-	08-09-2021 to 09-09-2021	-	DLR	26-01-2022	-					-	-	-	-		-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PCP	Johannes Kochems, Christoph Schimeczek, "Agentenbasierte Modellierung von Lastmanagement im deutschen Stromsektor", IEWT – Internationale Energiewirtschaftstagung, 08-10. September, 2021, Wien, Österreich. https://elib.dlr.de/147017/1/Langfassung_IEWT_2021_Kochems_Schimeczek.pdf	-	08-09-2021 to 09-09-2021	-	DLR	26-01-2022	-									26-01-2022	-
SCP	Tiago Pinto, Aria Jozi, Brigida Teixeira, Filipe Sousa, Daniel Ramos, Luis Gomes, Pedro Faria, Zita Vale, "Energy Consumption Forecasting System for Energy Management", AAAI2022, February 22 to March 1 of 2022, Virtual	-	08-09-2021 to 09-09-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	-	-
PC	TradeRES participated in Spine toolbox conference "Example workflow from EU project TradeRES to serve multiple models", it is possible check the presentation at: https://youtu.be/jaDlxonOmfY?t=3722 More info: http://www.spine-model.org/spine_webinar.htm#2	Online	08-09-2021	50	TU Delf	-	-	19-11-2021	107	19-11-2021	29	-	-	-	-	19-11-2021	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
SCP	Catarina Ribeiro, Tiago Pinto, Zita Vale, José Baptista, "Dynamic Remuneration of Electricity Consumers Flexibility", ICEER 2021 - The 8th International Conference on Energy and Environment Research, 13 – 17 September 2021	-	13-09-2021 to 17-09-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	-	-
PCP	Catarina Ribeiro, Tiago Pinto, Zita Vale, José Baptista, "Dynamic Remuneration of Electricity Consumers Flexibility", ICEER 2021 - The 8th International Conference on Energy and Environment Research, 13 – 17 September 2021	-	13-09-2021 to 17-09-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	-	-
PC	TradeRES is participating in the #SEEP 2021 (13th International Conference on Sustainable Energy & Environmental Protection), 13th September to 16th, (online).	Online	13-09-2021 to 16-09-2021	50	ISEP	-	-	14-09-2021	79	14-09-2021	45	-	-	-	-	14-09-2021	-
SCP	Bruno Veiga, Gabriel Santos, Tiago Pinto, Ricardo Faia, Carlos Ramos, Zita Vale, "Electricity market and power flow services for dynamic market simulations", SEEP 2021- 13th International Conference on Sustainable Energy & Environmental Protection, Vienna, Austria, 13 – 16 September 2021,	-	13-09-2021 to 16-09-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	27-10-2021	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PC	Kochems, Johannes and Schimeczek, Christoph (2021), "Integrating demand response into an agent-based simulation model of the German power sector" In: 10th International Ruhr Energy Conference. 15-16 September 2021, Duisburg, Germany https://elib.dlr.de/147024/	Duisburg, Deutschland	15-09-2021 to 16-09-2021	20	DLR	-	-	15-09-2021	35	15-09-2021	36	-	-	-	-	15-09-2021	-
PC	Yes, one more conference participation of TradeRES, in 8th International Conference on Energy and Environment Research, from September 15th to 17th).	Online	15-09-2021 to 17-09-2021	70	ISEP	-	-	-	-	16-09-2021	53	16-09-2021	34	-	-	-	-
T	TradeRES is participating in the summer school "Forecasts within Energy Markets", which will end on 1 of October. https://www.pro-ko-mo.de/182.php @BTU_CS @kitkarlsruhe	Karlsruhe	24-09-2021 to 01-10-2021	20	TU Delf	28-09-2021	-	28-09-2021	97	28-09-2021	48	28-09-2021	12	-	-	28-09-2021	-
PRC	https://www.linkedin.com/posts/isep_1st-public-workshop-traderes-tools-activity-6849713287249104896-2zYK/	-	01-10-2021	-	ISEP	-	-	-	-	-	-	-	-	-	-	-	-

Table A1. Detailed List of KPI (cont.)

		Dissemination Activity					Channels (date of the post and views)										
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
SSJ	Hugo Algarvio, ernado . Lopes, "Agent-based retail competition and portfolio optimization in liberalized electricity markets: A study involving real-world consumers ", International Journal of Electrical Power & Energy Systems, Volume 137, 2022	-	3-10-2021	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
OW	TradeRES project invites you to the 1st Public Workshop which will be held online by 20 and 21 October 2021, 14h00 to 16h15 CET (Brussels time) @zoom. It will be possible to interact and participate in Q&A (@slack). Registration is #free: https://bit.ly/3ATxgix More info: https://lnkd.in/e6XTVGmM	Online	20-10-2021 to 21-10-2021	390	ISEP	-	-	30-09-2021	-	30-09-2021	-	-	-	-	-	30-09-2021	-
SSJ	Oxford Open Energy "Adequacy assessment in a flexible power system. https://doi-org.tudelft.idm.oclc.org/10.1093/ooenergy/oiab007	-	22-10-2021	-	TU Delf	-	-	-	-	-	-	-	-	-	-	31-01-2022	-
VF	TradeRES recording DAY 1 https://www.youtube.com/watch?v=jv4Mj_q8U6A	Online	25-10-2021	63	ISEP	25-10-2021	-	25-10-2021	94	25-10-2021	452	25-10-2021	12	-	-	25-10-2021	-


Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
VF	TradeRES recording DAY 2 https://www.youtube.com/watch?v=FMNNfzdssFg	Online	25-10-2021	37	ISEP	25-10-2021	-	25-10-2021		25-10-2021		25-10-2021		-	-	25-10-2021	-
PAO	TradeRES participation, in the EMP-E 2021 Conference - Re-Energising Sustainable Transitions in Europe | More info at: https://emp-e-2021.b2match.io	Online	26-10-2021 to 28-10-2021	-	VTT	-	-	02-11-2021	77	02-11-2021	45	-	-	-	-	02-11-2021	-
PW	TradeRES participated in the Task 25 workshop. All the details here: https://iea-wind.org/task25	Online	02-11-2021 to 04-11-2021	24	TU Delf	-	-	18-11-2021	55	18-11-2021	26	-	-	-	-	18-11-2021	-
PSJ	H ugo Algarvio, F ernado . Lopes, "Agent-based retail competition and portfolio optimization in liberalized electricity markets: A study involving real-world consumers ", International Journal of Electrical Power & Energy Systems, Volume 137, 2022 https://doi.org/10.1016/j.ijepes.2021.107687	-	10-11-2021	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
PEO	ExCO meeting IEA (LNEG) - presentation	Online	11-11-2021	100	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
E	Participation in Enlit Europe (Formerly European Utility Week and POWERGEN Europe)	Frankfurt, Germany	29-11-2021 to 01-12-2021	-	Smartwatt	.	.	.	.	.	.	.	.	.	.	.	.
PC	SSCI 2021 - Session SS7: Special Session on Computational Intelligence Approaches for Efficient Energy Transition, Tuesday, December 7, 11:00AM-12:00PM, Room: Room 2, Chair: Tiago Pinto, Eduardo Gomez-Ramirez	Online	05-12-2021 to 07-12-2021	200	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
SIJ	Submission and acceptance of Paper "Ist das europäische Strommarktdesign geeignet für ein 100% erneuerbares Energiesystem?" by Silke Johanndeiter, André Lust und Clemens Cremer in Energiewirtschaftliche Tagesfragen (to be published in April 2022)	-	22-12-2021	-	EnBW	22-12-2021	.	22-12-2021	120	22-12-2021	25	22-12-2021	6	.	.	22-12-2021	.

Table A1. Detailed List of KPI (cont.)

Dissemination Activity						Channels (date of the post and views)											
Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog (Slack)	Views	LinkedIn	Views	Twitter	Views	Facebook	Views	Research Gate	Views	Website	Views
O	https://www.lneg.pt/lneg-co-organiza-1o-workshop-do-projeto-h2020-traderes-new-markets-design-and-models-for-100-renewable-power-systems/	-	20-01-2022	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
SSJ	Ana Rita Silva, Ana Estanqueiro, "Hybrid Power Plants: Technical-Economic Evaluation and Contributions for Optimal Design", Submitted to Energies in January 2022	-	23-01-2022	-	LNEG	-	-	31-01-2022	-	-	-	-	-	-	-	-	-
SSJ	Ana Rita Silva, Hugo M. I. Pousinho, Ana Estanqueiro, "A Multistage Stochastic Approach for the Optimal Bidding of Variable Renewable Energy in the Day-Ahead, Intraday and Balancing Markets", Energy (Elsevier) in January 2022.	-	23-01-2022	-	LNEG	-	-	31-01-2022	-	-	-	-	-	-	-	-	-
N	Don't miss out on our  #NEWSLETTER, with our achievements so far, available at: https://traderes.eu/newsletters/	Online	28-01-2022	-	ISEP	28-01-2022	-	28-01-2022	53	28-01-2022	22	28-01-2022	9	-	-	28-01-2022	-