



TradeRES

New Markets Design & Models for
100% Renewable Power Systems

D7.4 - Dissemination Activity Report – 4th Edition

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Author(s) information (alphabetical)		
Name	Organisation	Email
Filipe Sousa	ISEP	ffeso@isep.ipp.pt
Teresa Simões	LNEG	teresa.simoes@lneg.pt

Acknowledgements/Contributions		
Name	Organisation	Email
Ana Estanqueiro	LNEG	ana.estanqueiro@lneg.pt
António Couto	LNEG	antonio.couto@lneg.pt

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Review and approval		
Prepared by	Reviewed by	Approved by
Filipe Sousa Teresa Simões António Couto	Gabriel Santos Fernando Lezama Zita Vale	Ana Estanqueiro

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Executive Summary

This report presents the dissemination activities conducted in the scope of TradeRES project during the fourth year. The content of this report follows the initial dissemination and exploitation plan (D7.2) and corresponds to an update of the information reported in the previous editions of the progress dissemination report (D7.4 – Dissemination Activity Report).

This report describes the highlights of the dissemination activities that occurred in the reporting period, and the stakeholders and target groups, fulfilment, and progress indicators. It also presents, detailed Key Performance Indicators (KPIs) 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. Finally, conclusions on the achievement of the defined KPIs and identification of points to be improved during the 4th year of the project are presented¹.

Following the discussions held during the WP7 monthly meetings during this period, there was the need to revise the accounting methodology for KPIs, to provide a more accurate representation of the metrics. It was agreed by the participant partners to implement these changes from this deliverable forward. For instance, the previous approach considered only “one” entry for conference participation, regardless of whether it involved one or multiple partners, which didn’t reflect the number of effective participations. This adjustment ensures a more real approach on the nature of each participation, considering the involvement of multiple partners, associated costs, and exposure in each event.

The approved extension of the project until the end of 2024, provides a valuable opportunity to deepen research and elevate the dissemination metrics (KPIs). This report will be updated at the end of the project, with final status, and overview of the entire project. The additional time allow to share the project’s outcomes more comprehensively, aiming to overcome the gaps and contribute even further to the dissemination of knowledge of the project field.

It is important to note that some KPIs are challenging to quantify accurately because of their subjective nature. Therefore, in this context, they are treated as estimates; for instance, determining the exact number of people reached during a specific event may fall into this category.

¹ This report is delivered before the end of the entire 4th year of the project, therefore the data here presented misses the last 4 to 5 days (LinkedIn), this is particularly visible in the social media data collected. The final edition of this report will take into consideration the whole duration of the project, and, therefore, include the missing days.

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1. Introduction

The main goal of this deliverable is to report the dissemination activities which occurred during the 4th 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 the data.

The fulfilment of the Key Performance Indicators (KPIs) defined in D7.2 for the fourth year of the project is analysed in detail, identifying the specific actions that have been done related to each KPI. Additionally, the items that were not entirely fulfilled, or in which the accomplishment was difficult during the previous years, were identified, and mitigation actions were defined to enable the suitable accomplishment of the planned dissemination and communications' actions until the end of the project. It is important to note, that the KPIs were not changed, and the dissemination and exploitation plan remains unchanged.

During this reporting period, there were some activities that occurred in parallel with the project that brought new ideas and contributions to the work under development. Although these were not TradeRES foreseen activities, they enabled to discuss and disseminate the project outcomes and to obtain suggestions to improve models and results.

Some changes were also implemented in Twitter, namely by changing the name to X, and in some new metrics², that revealed a decrease of some stats in the previous editions. Despite of that, according to information available² it was noticed a decrease of active daily users (ADUs) around 1.9%. All the information for the KPI's reporting was delivered by the partners in the shared folders and during the monthly meetings, reinforcing the valuable collaborative work within this project.

It is important to note that the collected data for social media did not correspond to a full year in order to deliver the report in due time – 31st of January. In this sense, the collected data is referred to the period 01-02-2023 to 27-01-2024 on LinkedIn and to 01-02-2023 to 28-01-2024 on X, Facebook and project' website.

² <https://www.statista.com/statistics/303681/twitter-users-worldwide/>

2. Meetings And Public Events - Highlights in Year #4

During this period several actions took place to accelerate the dissemination of the outcomes and, especially, to involve the stakeholders of the renewable energies' sector and collect the contributions to improve the models and tools developed in the scope of work. In the following paragraphs, the workshops, meetings, and relevant actions are described.

2.1 Workshops Organized in the 4th Year of The Project

During the reporting period, two (general) workshops were organized by the consortium, being dedicated especially to stakeholders' involvement. The summary of each workshop is presented in the next paragraphs.

The first workshop was an exclusive workshop organized by TradeRES and EERA-ESI, set just before the EERA-ESI 2023 Conference in Brussels! This standalone event welcomed participants from across the electricity markets community, including non-EERA members. The workshop was held on June 28, 2023.

The second one, The ECEMP – Skills workshop, explored agent-based simulation in electricity markets, highlighting the use of the AMIRIS tool and led by Christoph Schimeczek from the German Aerospace Center (DLR). Throughout the session, participants had the opportunity to refine their skills in the practical application of this advanced simulation methodology to understand the dynamic functioning of electricity markets. The workshop took place on October 5, 2023.

2.2 Stakeholders' Workshops

In this section, we focus on particular cases of stakeholder workshops. It was a series of workshops specifically tailored for stakeholders in the field, taking place in various locations and organized for different partners.

Workshop on Market Designs related with case studies C and E - Germany and the EU, took place online on October 12, 2023, with around 34 present participants. This workshop was organized by EnBW, DLR and VTT, and was divided into two parts. The first part featured a conceptual discussion on market design options (energy only market, support instruments) and the presentation of recent modeling outcomes, focusing on policy-oriented aspects. In the subsequent section, tailored for energy system modelers, participants engaged in a hands-on experience with project-enhanced tools such as Spine Toolbox, AMIRIS, and Backbone. These tools were presented for assessment and professional insights, encouraging active participation and feedback.

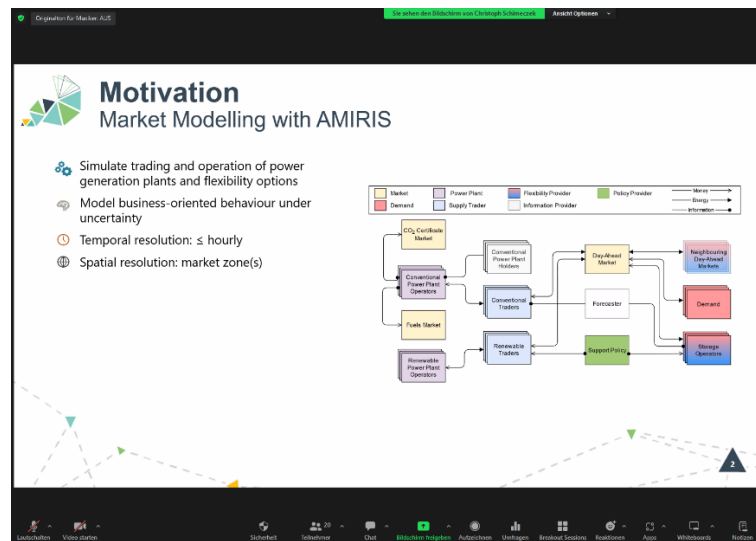


Figure 1 Presentation in the German (and EU) Stakeholders' workshop

The second Stakeholders' workshop was dedicated to case study B - The Netherlands, took place on November 11, 2023, and had 13 participants. The TradeRES partners TNO and TU Delft organized the workshop in Amsterdam in order to discuss the modelling and preliminary results of this case study. In addition, the benchmark modelling results from the European electricity market model COMPETES-TNO, the key features and the first results of the agent-based model EMLaby were presented and discussed. The workshop was closed with a more general discussion among stakeholders and project team members on market design options and implications for a climate-neutral power system in the Netherlands.

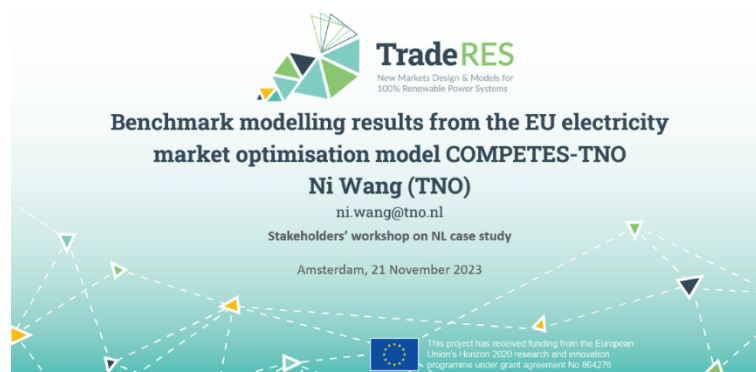


Figure 2 Presentation in the Netherlands Stakeholders' workshop

TradeRES Iberian Stakeholders' Workshop: Electricity markets with high shares of renewables, took place on November 24, 2023, it was a hybrid event (Porto/Zoom), with 36 participants. This workshop was composed of two parts, with a total of three sessions. In the first part (Session A), the focus was on policy, encompassing a conceptual discussion of market design options and a presentation of the latest modeling results. The second part

(Session B) was dedicated to energy systems' modelers, providing an interactive experience with the project's tools—Spine Toolbox, MASCEM, and REStTrade. Participants were invited to share their professional assessment and insights for the ongoing development of these tools. The second part concluded with a wrap-up session addressing strengths, weaknesses, and future challenges. Both parts were designed to be independent, allowing participants to attend according to their interests and expertise.



Figure 3 Meeting in the Iberian Stakeholders' workshop

2.3 Newsletters

During this period, two newsletters were developed and shared. These newsletters correspond to a summary of the project's achievements, updates, news, and insights. Our commitment to maintaining transparency and engagement with stakeholders is reinforced in these newsletters, which serve as a paramount communication conduit for conveying the noteworthy progress and developments achieved during the course of the project.

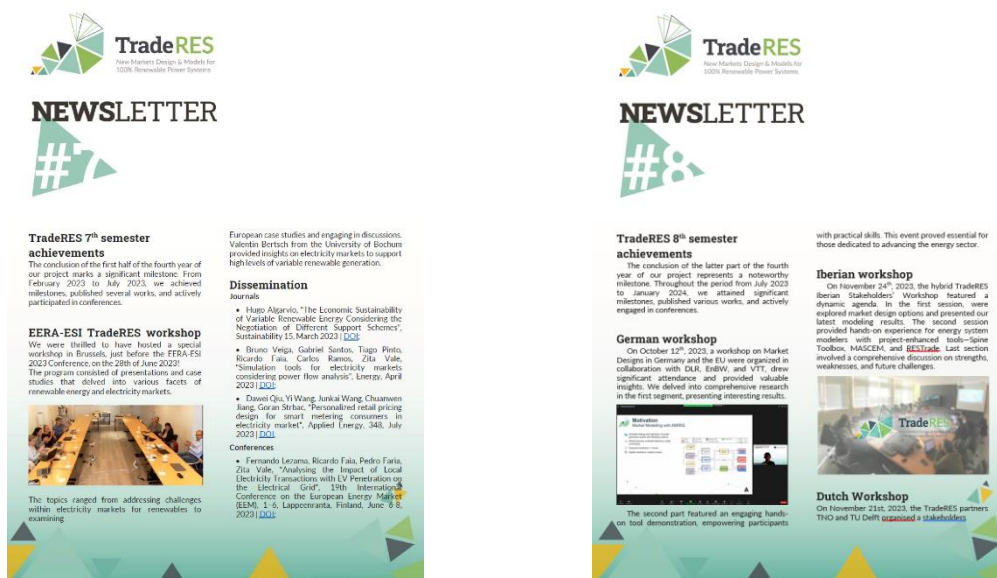


Figure 4 Newsletter 7 and 8 first page

2.4 Participation in Events with Stakeholders'

The project made a significant impact at Enlit Europe in Paris, France (well represented by LNEG and Imperial College), showcasing its presence at a dedicated stand. At this exhibition, there was the opportunity to present specific topics and actively participate in various sessions, notably including a dedicated sister-project session organized by the ESCO H2020 Project, as depicted in Figure 5. This engagement allowed us to share insights, foster collaboration, and contribute to the broader discourse on critical aspects within our domain.



Figure 5 Left - sister project session (frESCO) and right - space to European projects

2.5 Project Plenary Meetings

During the fourth year, several meetings occurred. There were 2 Plenary meetings and one evaluation meeting after the periodic reporting period to the European Commission. In both Plenary meetings, one day or half day was considered for a WP5 meeting due to the need to accelerate the case studies modelling and respective outcomes.

Table 1 presents the meetings, dates, and locations where they took place in this period, together with some highlights.

Table 1 Meetings that took place during this reporting period.

Type of meeting	Date	Location	Observations
Plenary	16 th to 17 th March 2023	London	Guidelines for future work and strategies discussion. identify eventual risks and delays foreseen by the partners and propose mitigation measures. Discuss stakeholders' engagement activities and means to reinforce their involvement in the project. Discuss extension of the project and start preparing the justification for that.

Table 2 Meetings that took place during this reporting period.

Plenary	19 th to 20 th September 2023	Espoo	Presentation of work developed so far and preparation of the next year's work. Closing of the extension request proposal and definition of the work to be developed, especially on WP5 and WP6. Preparation of the stakeholders' involvement workshops and dissemination events.
WP	16 th to 17 th March 2023	London	WP5's physical meeting. Definition of MPI's and strategy to accelerate the tasks.
WP	19 th to 20 th September 2023	Espoo	WP5's physical meeting. Discussion of MPI's and strategy to accelerate the tasks. Fine tuning of some MPI's and strategy for the next steps.

2.6 Academic Theses

There are 11 academic theses ongoing associated with TradeRES (some of them will be finished in the first semester of 2024), and 6 already concluded. Table 3 presents the status of each thesis.

Table 3 Academic theses under development in the scope of TradeRES

Name	Partner	Title	Type	Status
Helistö Niina	VTT	Analysing flexibility in energy system investment planning: Impact of variable renewable energy, temporal structures and operational constraints.	PhD	Ongoing 15-03- 2024
Johanndeiter Silke	EnBW	The economics of variable renewables in wholesale markets – towards a future-proof market design”.	PhD	Ongoing
Lukas Scherzinger	EnBW	On capacity mechanisms using TradeRES-models and data at EnBW.	MSc	Ongoing
Ingrid Sanchez	TU Delft	N.A.	PhD	Ongoing
Johannes Kochems	DLR	Demand Response Potentials for Germany. Micro-economic assessment of overall economic potential estimates.	PhD	Ongoing 2024
Evelyn Sperber	DLR	Agent-based modelling and simulation of interactions between the electricity and heat markets using the example of residential heat pumps.	PhD	Ongoing 2024

Table 4 Academic theses under development in the scope of TradeRES

António Couto	LNEG	Exploring Complementarity between Wind and Solar PV generation for Large-scale Integration into Power Systems.	PhD	Ongoing 2024
Catarina Marcelino	LNEG	Local Communities and Electricity Markets: Forecast of net consumption on a residential scale.	MSc	Ongoing 2024
Rodrigo Matias	LNEG	Complementarity of wind and photovoltaic solar generation in Portugal – historical and prospective analysis.	MSc	Ongoing 2024
João Santos	LNEG	Participação da geração renovável no mercado de reservas de um sistema elétrico”.	MSc	Ongoing 2024
Vivian Sousa	LNEG	Analysis and definition of bids from variable renewable generation on electricity markets	MSc	Ongoing 2024
Hommes, J., & Cvetkovic, M	TU Delft	Exploring Soft-linking of Market Modules and an Optimization Model. Link	MSc	Concluded 30-08-2021
Jim Hommes	TU Delft	Concluded a master’s thesis on the scope of the project, with the title “Exploring Soft-linking of Market Modules and an Optimization Model”, at Delft University of Technology. Link	MSc	Concluded 30-08-2021
Bart Van Nobelen	TU Delft	Security of supply during the energy transition	MSc	Concluded 23-09-2022
Ana Silva	LNEG	Towards near 100% renewable power systems: Improving the role of distributed energy resources using optimization models	PhD	Concluded 01-09-2022
Ricardo Faia	ISEP	Decision Support for Participation in Electric Markets considering the Transaction of Services and Electricity at the Local Level. Link	PhD	Concluded 14-11-2022
José Campo	LNEG	Contribuição para a "gestão inteligente" de redes eléctricas recorrendo a metodologias de capacidade dinâmica de linhas”. Link	MSc	Concluded 2023

In summary, and as presented in this section, the fourth year of the project experienced an intense interaction with the public enabling to receive feedback in several fields of the project's activities. Also, and very important, there was a valuable interaction with the stakeholders, with relevant feedback.

3. Stakeholders and Target Groups

This chapter addresses the information related with the stakeholders envisaged for engagement in project activities and the relevant target groups.

The strategy to maximize the project results is followed according to the Dissemination and Exploitation plan developed in the beginning of the project. The relevant stakeholders who are required to be on board to ensure the success of the project are presented in Table 5.

Table 5 Relevant stakeholders to ensure the success of the project.

Code	Description
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

The identified stakeholders were engaged at the beginning of the project and in a later stage, invited to participate in the workshops organised during this reporting period, as referred in chapter 2 of this document. Table 6 presents the defined codes established for each type of foreseen activity/event.

Table 6 Codes established for the different types of events.

Code	Event type	Code	Event type
BW	Book contributions written	OW	Organisation of Workshop
C	Communication Campaign (e.g., Radio, TV, journals, announcements)	PC	Participation to a Conference
E	Exhibition	PRC	Press release and press conference

Table 7 Codes established for the different types of events.

F	Flyer	PSJ	Published scientific journals
PCP	Published conference papers	PW	Participation to a Workshop
N	Newsletter	RWG	Representations in working groups
PEO	Participation to an Event other than a Conference or a Workshop	SCP	Submitted conference papers
PAO	Participation in activities organized jointly with other EU project(s)	SIJ	Submitted industrial journals
PIJ	Published 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
K	Keynotes	O	Others

Subsequent additions have been made, incorporating various elements that were not established in the initial Dissemination and Exploitation Plan, but that occurred in a representative number during this year. Furthermore, it was considered that these occurrences corresponded to an increase in the dissemination of the project's outcomes, should be considered. These additions correspond to Invited Talks, Presentations and Academic Thesis, and will be considered in D7.5 - Final Dissemination and Exploitation Plan. Table 4 presents the dissemination activities that took place in year 4 and that involved contacts with target groups.

The contacts with the groups, whenever needed, were performed by the partners who were responsible for these activities. Table A.1 – Annex I, presents the detail on the activities that occurred during year 4 including view, shares and posts in the social media.

Table 8 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
SSO	Special Session - Panel PES “Artificial intelligence approaches for energy management in rural and urban energy communities”, by João Soares and Zita Vale		17-07-2022	ISEP		-	✓	✓	-	-	-	✓	✓	✓	-
SIJ	Ana Estanqueiro, António Couto, Dawei Qiu, Goran Strbac, Evelyn Sperber, Gabriel Santos, Joannes Kochems, Jos Sijm, Nikos Chrysanthopoulos, Zita Vale, “New Markets Design & Models for 100% Renewable Power Systems”, European Energy Innovation Magazine (winter edition), pp. 26, 2022. 👉 Did you see our article in the European Energy Innovation magazine (winter edition)? https://www.europeanenergyinnovation.eu/OnlinePublication/Winter2022/index.html#p=27		2022	LNEG		-	✓	✓	-	-	-	-	✓	✓	✓
PIJ	Ana Estanqueiro, António Couto, Dawei Qiu, Goran Strbac, Evelyn Sperber, Gabriel Santos, Joannes Kochems, Jos Sijm, Nikos Chrysanthopoulos, Zita Vale, “New Markets Design & Models for 100% Renewable Power Systems”, European Energy Innovation Magazine (winter edition), pp. 26, 2022. 👉 Did you see our article in the European Energy Innovation magazine (winter edition)? https://www.europeanenergyinnovation.eu/OnlinePublication/Winter2022/index.html#p=27	-	2022	LNEG		-	✓	✓	-	-	-	-	✓	✓	✓

Table 8 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
THE	Bart van Nobelen concluded a master's thesis on the scope of the project, with the title "Security of supply during the energy transition", at Delft University of Technology. https://repository.tudelft.nl/islandora/object/uuid%3A463269eb-b72f-4d0a-a9fb-dcc8c69f4868	-	23-09-2022	TU Delft	-	-	-	-	-	-	✓	-	-	-
THE	Jim Hommes, concluded a master's thesis on the scope of the project, with the title "Exploring Soft-linking of Market Modules and an Optimization Model", at Delft University of Technology. https://repository.tudelft.nl/islandora/object/uuid%3A63691862-9a26-4df3-b6dd-57bed6c9d8a5	-	30-08-2022	TU Delft	-	-	-	-	-	-	✓	-	-	-
PW	Participation in the Workshop "Agent-based Modeling for Energy Economics and Energy Policy", organized by DLR.	-	01-02-2023	TU Delft	-	✓	✓	-	-	-	✓	✓	✓	-
THE	Bart van Nobelen concluded a master's thesis on the scope of the project, with the title "Security of supply during the energy transition", at Delft University of Technology. https://repository.tudelft.nl/islandora/object/uuid%3A463269eb-b72f-4d0a-a9fb-dcc8c69f4868	-	23-09-2022	TU Delft	-	-	-	-	-	-	✓	-	-	-

Table 8 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	Participation in the riskday, project discussion. https://www.riskday.co.uk/2023	London, UK	03-08-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-	
RWG	Hellenic International Power Group workshop (supported by the IEEE Greece PES Chapter) had attendance and presentations.	-	22-12-2022	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-	
PCP	Nikolaos Chrysanthopoulos, Dimitrios Papadaskalopoulos, Goran Strbac, "Non-Mutually Exclusive Business Models for LES: A Quantitative Assessment", 13th Mediterranean Conference on Power Generation, Transmission and Distribution and Energy Conversion (MEDPOWER 2022), Malta, November 07-09, 2022. https://doi.org/10.1049/icp.2023.0039	-	29-05-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-	
WO	Exciting News Unveiled! 🚀 We're thrilled to announce that our project has been granted an extension. This opens up new opportunities for continuous improvement and deepening our impact. Stay tuned.	-	20-12-2023	-	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	

Table 8 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
N	Newsletter 7	-	13-09-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PC	Participation in IEWT	Vienna, Austria	15-02-2023 to 17-02-2023	EnBW	-	✓	✓	-	-	-	✓	✓	✓	-
K	Presentation: Ingrid Sanchez, Laurens de Vries: "Can an energy only market enable resouce adequacy in a ~100% power system in Netherlands". 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria) https://iewt2023.eeg.tuwien.ac.at/	Vienna, Austria	15-02-2023 to 17-02-2023	TU Delft	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	This was only presentation https://digital-library.theiet.org/journals/conference-proceedings Silke Johandeiter, Juha Kiviluoma, Niina Helistö, "Wholesale electricity prices in European power systems with high shares of renewables – the impact of market designs", Internationale Energiewirtschaftstagung an der TU Wien (IEWT 2023), Vienna, Austria, February 15-17, 2023	-	15-02-2023 to 17-02-2023	EnBW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 8 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
K	Evelyn Sperber, Christoph Schimeczek: "Nutzer- und systemseitige Effekte durch preisbasiertes Demand Response mit Wärmepumpen". 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria)	-	15-02-2023 to 17-02-2023	DLR	-	✓	✓	-	-	-	✓	✓	✓	✓
K	Johannes Kochems, Christoph Schimeczek: "Wirkung dynamischer Stromtarife auf Lastmanagementpotenziale". 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria)	-	15-02-2023 to 17-02-2023	DLR	-	✓	✓	-	-	-	✓	✓	✓	✓
K	Poster: Kristina Nienhaus, Evelyn Sperber, Johannes Kochems, Christoph Schimeczek: "Evaluation of remuneration schemes for renewable energy technologies". 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria)	-	15-02-2023 to 17-02-2023	DLR	-	✓	✓	-	-	-	✓	✓	✓	✓
PSJ	Hugo Algarvio, Fernando Lopes, "Strategic Bidding of Retailers in Wholesale Markets: Continuous Intraday Markets and Hybrid Forecast Methods", Sensors 23, no. 3: 1681, January 2023. https://doi.org/10.3390/s23031681	-	03-02-2023	LNEG	-	-	-	-	-	-	✓	-	-	-

Table 8 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	⚡ More news, we'll be in Rome from today until Thursday, taking part in the prestigious 27th International Conference & Exhibition on Electricity Distribution (CIRED). With the paper: ““On the Effects of Tariff Structures on the Revenue Streams of Local Energy Systems””, stay tuned for updates! #CIRED2023	Rome, Italy	12-06-2023 to 15-06-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	📄 The publication from CIRED 2023 is available! Explore: “On the effects of tariff structures to the revenue streams of local energy systems”. Dive into insights on how tariffs impact LES revenue in Spain and Austria. 🚀 📖 Read now: https://doi.org/10.1049/icp.2023.0466 🔗 More papers: https://traderes.eu/papers/ #LES #DER #Flexibility #Optimisation #Modelling #TradeRES	-	12-06-2023 to 15-06-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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
OW	 Join us at our workshop on Market Designs in Germany and the EU, in which we would like to get your feedback on our latest research from the EU-Horizon2020 project TradeRES - New Market Designs & Models for 100% Renewable Power Systems. The first part - of our workshop is policy-oriented and covers the conceptual discussion of market design options as well as a presentation of our latest modelling results. The second part - of the workshop addresses energy system modellers and offers a hands-on experience with the tools employed and enhanced in the project. We introduce you to Spine Toolbox, AMIRIS and Backbone and ask for your professional assessment and advice on these tools. Join one or both workshop parts based on your interests and expertise. Register online by October 8th. No admission fee. 1 - https://www.eventbrite.pt/e/traderes-stakeholder-workshop-part-1-tickets-713716744997?aff=odtdtcreator 2 - https://www.eventbrite.pt/e/traderes-stakeholder-workshop-part-2-tickets-713747868087?aff=odtdtcreator More info: https://traderes.eu/news-events/	Online	12-10-2023	EnBW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PW	We participated in the event that was also organized for three TradeRES partners (hosted by DLR, EnBW, VTT)	Online	12-10-2023	EnBW	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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
OW	TradeRES Iberian Stakeholders' Workshop: Electricity markets with high shares of renewables	Porto, Portugal	24-11-2023	ISEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PW	Last Friday's workshop showcased a dynamic agenda. In the policy-oriented first part (Session A), we delved into market design options and unveiled our latest modeling results. The subsequent part (Session B) specifically targeted energy system modelers, offering hands-on experience with project-enhanced tools—Spine Toolbox, MASCEM, and RESTrade. In the final segment (Session C), we engaged in a comprehensive discussion, exploring strengths, weaknesses, and future challenges. From this collaborative session, excellent ideas were extracted, reflecting the wealth of insights generated. Throughout the workshop, we derived valuable lessons and presented compelling content tailored for our stakeholders.	Porto, Portugal	24-11-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
T	Last month @Niina Helistö was one of the speakers at the YEAR network SUSTAINABLE ENERGY AND ENERGY TRANSITION webinar. This webinar focused on storage systems, markets and energy system planning. More info: https://www.year-network.com/ourevents/sustainable-energy-and-energy-transition/ #markets #models #renewables	Online	24-02-2023	VTT	✓	✓	✓	-	✓	✓	✓	✓	✓	✓

Table 8 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	
E	Enlit (Formerly European Utility Week and POWERGEN Europe)	Europe Paris, France	28-11-2023 to 30-11-2023	LNEG	-	✓	✓	-	-	-	-	✓	✓	-	
K	Enlit Europe 2023, session “Technologies for Consumers”. Presentation and participation in a round table.	Paris	29-11-2023	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
N	Newsletter 8	Online	26-01-2024	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-	
PC	 Huge presence at the conference EEM 23 in Lappeenranta, Finland. Meet the inspiring energy TradeRES team.  This Special Session highlighted the project’s findings and achievements, including electricity market models, case studies from local energy communities, and the modelling of new market designs for a (near) 100% renewable energy system. Presentations already available:	Lappeenranta, Finland!	06-06-2023 to 08-06-2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-	

Table 8 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
SSO	<p>📢 Exciting News! Join us for a special session at EEM2023 in picturesque Lappeenranta, Finland! 🇫🇮 TradeRES is thrilled to present an independent event, completely FREE of charge! Don't miss this opportunity to gain valuable insights and network with industry experts. The agenda is now available here: link 📄 See you at EEM2023 in Lappeenranta on the 8th of June! 📅🔥 #TradeRES #EEM2023 #SpecialSession #research #science #energy #Free #IndustryExperts</p>	-	06-06-2023 to 08-06-2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	<p>Fernando Lezama, Ricardo Faia, Pedro Faria, Zita Vale, “Analysing the Impact of Local Electricity Transactions with EV Penetration on the Electrical Grid”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023</p>	-	22-03-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	<p>Gabriel Santos, Ricardo Faia, Fernando Lezama, Zita Vale, “Multilevel Electricity Trading Simulation considering Energy Communities Participation”, 19th International Conference on the European Energy Market (EEM), 1–5, Lappeenranta, Finland, June 6-8, 2023.</p>	-	22-03-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	<p>Til Kristian Vrana, Harald G. Svendsen, Magnus Korpås, António Couto, Ana Estanqueiro, Damian Flynn, Hannele Holttinen, Philipp Härtel, Matti Koivisto, Eric Lantz, “Improving wind power market value with various aspects of diversification “, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI</p>	-	22-03-2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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	Dawei Qiu, Nikolaos Chrysanthopoulos, Goran Strbac, “Tariff Design for Local Energy Communities Through Strategic Retail Pricing”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	22-03-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Junkai Wang, Dawei Qiu, Goran Strbac, Yujian Ye, “Market-Based Generation Planning with Carbon Target”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | https://doi.org/10.1109/EEM58374.2023.10161889	-	22-03-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-
SCP	Niina Helistö; Silke Johandeiter; Juha Kiviluoma, “The Impact of Sector Coupling and Demand-side Flexibility on Electricity Prices in a Close to 100% Renewable Power System”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | https://doi.org/10.1109/EEM58374.2023.10161962	-	22-03-2023	VTT	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Fernando Lezama, Ricardo Faia, Pedro Faria, Zita Vale, “Analysing the Impact of Local Electricity Transactions with EV Penetration on the Electrical Grid”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI	-	06-06-2023 to 08-06-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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	Gabriel Santos, Ricardo Faia, Fernando Lezama, Zita Vale, “Multilevel Electricity Trading Simulation considering Energy Communities Participation”, 19th International Conference on the European Energy Market (EEM), 1–5, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	06-06-2023 to 08-06-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Til Kristian Vrana, Harald G. Svendsen, Magnus Korpås, António Couto, Ana Estanqueiro, Damian Flynn, Hannele Holttinen, Philipp Härtel, Matti Koivisto, Eric Lantz, “Improving wind power market value with various aspects of diversification “, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI	-	06-06-2023 to 08-06-2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Dawei Qiu, Nikolaos Chrysanthopoulos, Goran Strbac, “Tariff Design for Local Energy Communities Through Strategic Retail Pricing”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	06-06-2023 to 08-06-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-
PCP	Junkai Wang, Dawei Qiu, Goran Strbac, Yujian Ye, “Market-Based Generation Planning with Carbon Target”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | https://doi.org/10.1109/EEM58374.2023.10161889	-	06-06-2023 to 08-06-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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	Niina Helistö; Silke Johanndeiter; Juha Kiviluoma, “The Impact of Sector Coupling and Demand-side Flexibility on Electricity Prices in a Close to 100% Renewable Power System”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | https://doi.org/10.1109/EEM58374.2023.10161962	-	06-06-2023 to 08-06-2023	VTT	-	✓	✓	-	-	-	✓	✓	✓	-
K	A. Couto, A. Estanqueiro, G. Strbac, N. Chrysanthopoulos, G. Santos, S. Johanndeiter, H. Algarvio, H. Syse, E. Sperber, N. Wang, I. Jimenez, D. Qiu, Z. Vale, K. Nienhaus, J. Kochems, C. Schimeczek, J. Sijm, L. de Vries and F. Lopes (2023). Innovative Electricity Market Designs to Support a Transition to (Near) 100% Renewable Power System: First Results from H2020 TradeRES Project. Oral presentation at the 22nd Wind & Solar Integration Workshop, Copenhagen.	Copenhagen, Denmark	26-09-2023 to 28-09-2023	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCP	A. Estanqueiro, G. Strbac, N. Chrysanthopoulos, G. Santos, S. Johanndeiter, H. Algarvio, H. Syse, E. Sperber, N. Wang, I. Jimenez, D. Qiu, Z. Vale, K. Nienhaus, J. Kochems, C. Schimeczek, J. Sijm, L. de Vries, F. Lopes, A. Couto, “Innovative electricity market designs to support a transition to (near) 100% renewable power system: first results from H2020 TradeRES project,” 22nd Wind and Solar Integration Workshop (WIW 2023), Copenhagen, Denmark, 2023, pp. 274-281, https://doi.org/10.1049/icp.2023.2748	Copenhagen, Denmark	26-09-2023 to 28-09-2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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	Dawei Qiu, Yi Wang, Junkai Wang, Chuanwen Jiang, Goran Strbac, "Personalized retail pricing design for smart metering consumers in electricity market", Applied Energy, 348, July 2023 | https://doi.org/10.1016/j.apenergy.2023.121545	-	16-07-2023	Imperial	-	-	-	-	-	-	✓	-	-	-
PSJ	Dawei Qiu, Yi Wang, Junkai Wang, Chuanwen Jiang, Goran Strbac, "Personalized retail pricing design for smart metering consumers in electricity market", Applied Energy, 348, July 2023 | https://doi.org/10.1016/j.apenergy.2023.121545	-	16-07-2023	Imperial	-	-	-	-	-	-	✓	-	-	-
PSJ	António Couto, Ana Estanqueiro, "Wind power plants hybridized with solar power: A generation forecast perspective", Journal of Cleaner Production 423, September 2023 https://doi.org/10.1016/j.jclepro.2023.138793	-	12-09-2023	LNEG	-	-	-	-	-	-	✓	-	-	-
#N/A	A. Couto and A. Estanqueiro: Addressing the challenges of wind power plants hybridized with solar power: A generation forecast perspective. IEA Task 51 event.	Online	24/01/2024	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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
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	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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
RWG	IEEE Power and Energy Society AMPS ISS Intelligent Data Mining and Analysis (IDMA) WG	-	-	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	Participating in the IEA Task 25 group	-	24-01-2024	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
RWG	Hellenic International Power Group workshop (supported by the IEEE Greece PES Chapter) had attendance and presentations.	-	21-12-2023	Imperial	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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
THE	PhD Thesis: Helistö Niina Analysing flexibility in energy system investment planning. Pre-examination application submitted. 13 Sep 2023. Defence to be 15 March 2024.	-	15-03-2024	VTT	-	-	-	-	-	-	✓	-	-	-
THE	(Introduced in the 3rd year) PhD Thesis: Johandeiter Silke, "The economics of variable renewables in wholesale markets – towards a future-proof market design". Planning to submit it in April 2024 / defend it in July 2024	-	07-2024	EnBW	-	-	-	-	-	-	✓	-	-	-
THE	(Introduced in the 3rd year) MSc Thesis: Lukas Scherzinger, on capacity mechanisms using TradeRES-models and data at EnBW. Started to write his Master Thesis (08-08-2022)	-	08-08-2022	EnBW	-	-	-	-	-	-	✓	-	-	-
THE	(Introduced in the 3rd year) Phd Ingrid Janet Sanchez Jimenez (since September 2020)	-	01-09-2020	TU Delft	-	-	-	-	-	-	✓	-	-	-

Table 8 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	
THE	PhD Title: “Demand Response Potentials for Germany. Micro-economic assessment of overall economic potential estimates” Prediction: 2024	Johannes Kochems	-	2024	DLR	-	-	-	-	-	✓	-	-	-	
THE	PhD Title: Agent-based modelling and simulation of interactions between the electricity and heat markets using the 4xample of residential heat pumps Prediction: 2024	Evelyn Sperber	-	2024	DLR	-	-	-	-	-	✓	-	-	-	
THE	PhD Title: Exploring Complementarity between Wind and Solar PV generation for Large-scale Integration into Power Systems	António Couto	-	01-04-2019 to 2024	LNEG	-	-	-	-	-	✓	-	-	-	
THE	(Introduced in the 3rd year) MSc Thesis: Catarina Marcelino. Title: Local Communities and Electricity Markets: Forecast of net consumption on a residential scale. Started to write his Master Thesis (January 2023)	-	-	01-01-2023 to 2024	LNEG	-	-	-	-	-	✓	-	-	-	

Table 8 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	⚡ We submitted two abstracts (one from EnBW and another from TUDelft) for the IAEE event in Milan, Italy. 🌍 This conference was a paramount opportunity to showcase the latest insights and contributions to the energy industry experts and leaders. For more details, you can explore here: https://www.aiee.it/iaee_2023 #IAEE #Conference #Energy #Innovation #Advancements #TradeRES #Research #H2020	Milan, Italy	24-07-2023 to 27-07-2023	TUDelft	-	✓	✓	-	-	-	✓	✓	✓	-
K	Abstract presentation Silke Johandeiter, Niina Helistö, Juha Kiviluoma, Valentin Bertsch, “Integrating prosumers into a fully decarbonized European wholesale electricity market”, 18th IAEE European conference The Global Energy Transition Toward Decarbonization, Milan, Italy, July 24-27, 2023	Milan, Italy	24-07-2023 to 27-07-2023	EnBW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	Abstract presentation Ingrid Janet Sanchez Jimenez, Laurens de Vries, “Capacity mechanisms in a highly renewable electricity market with flexible resources”, 18th IAEE European conference The Global Energy Transition Toward Decarbonization, Milan, Italy, July 24-27, 2023	Milan, Italy	24-07-2023 to 27-07-2023	TU Delft	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	Abstract presentation David Ribo, “The EU electricity markets under reform: consensus, disagreements, and unknowns”, 18th IAEE European conference The Global Energy Transition Toward Decarbonization, Milan, Italy, July 24-27, 2023	Milan, Italy	24-07-2023 to 27-07-2023	TU Delft	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 8 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 had the opportunity to participate in a PhD workshop by Ruhr-University Bochum's distinguished chair of energy systems and energy economics. Our presentation was "Integrating prosumers into a fully decarbonized European wholesale electricity market".	Internal	31-07-2023 to 01-08-2023	EnBW	-	✓	✓	-	-	-	✓	✓	✓	-
T	Next week TradewRES will participate in the Winter school 2023 - Planning under Uncertainty in Energy Markets, @Norway. #engineering #optimization Norwegian University of Science and Technology (NTNU) #NTRANS	Geilo, Norway	26-03-2023 to 31-03-2023	TU Delft	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
SSJ	Hugo Algarvio, "The Economic Sustainability of Variable Renewable Energy Considering the Negotiation of Different Support Schemes", Sustainability 15, March 2023.	-	21-02-2022	LNEG	-	-	-	-	-	-	✓	-	-	-
PSJ	Hugo Algarvio, "The Economic Sustainability of Variable Renewable Energy Considering the Negotiation of Different Support Schemes", Sustainability 15, March 2023. https://doi.org/10.3390/su15054471 | Bulletin	-	02-03-2023	LNEG	-	-	-	-	-	-	✓	-	-	-

Table 8 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	Bruno Veiga, Gabriel Santos, Tiago Pinto, Ricardo Faia, Carlos Ramos, Zita Vale, "Simulation tools for electricity markets considering power flow analysis", Energy, April 2023. https://doi.org/10.1016/j.energy.2023.127494	-	11-04-2023	ISEP	-	-	-	-	-	-	✓	-	-	-
PW	TradeRES had the opportunity to participate in a PhD workshop by Ruhr-University Bochum's distinguished chair of energy systems and energy economics. Our presentation was "Integrating prosumers into a fully decarbonized European wholesale electricity market".	Internal	31-07-2023 to 01-08-2023	EnBW	-	✓	✓	-	-	-	✓	✓	✓	-
PW	Participation in the workshop GECAD Energy Day	Porto, Portugal	24-05-2023	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-
T	We attended the 'Empirical Methods for the Analysis of the Energy Transition' Summer School at the Barcelona School of Economics. Here's an overview of what was discussed: 1 The climate change challenge and trends in energy: introduction and facts 2 Supply side and wholesale pricing: intro and modelling basics 3 Machine learning in the supply side: dimensionality reduction of complex models. 4 Demand side and retail pricing: basics intro and modelling basics. 5 Machine learning in the demand side: demand response and energy efficiency https://bse.eu/study/summer-school/energy-economics	Barcelona, Spain	10-07-2023 to 14-07-2023	TU Delft	✓	✓	✓	-	✓	✓	✓	✓	✓	✓

Table 8 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	EERA Energy Systems Integration Conference: Research meets policy https://www.eventbrite.be/e/energy-systems-integration-conference-research-meets-policy-tickets-600182912247	Brussels, Belgium	29-06-2023 to 30-06-2023	TU Delft	-	✓	✓	-	-	-	✓	✓	✓	-
OW	<p>📢 Exciting News! Join us for a special workshop hosted by TradeRES and EERA-ESI, right before the EERA-ESI 2023 Conference in Brussels! This independent event is open to everyone in the electricity markets community, including non-EERA members. Secure your online tickets now to ensure your spot (free)!</p> <p>👉 Register here: https://www.eventbrite.pt/e/eera-esi-traderes-workshop-hybrid-tickets-652014010457</p> <p>Don't miss this opportunity, on the 28th of June, see you at the workshop. 📅💧</p>	Brussels, Belgium	28-06-2023	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
C	https://eco.sapo.pt/2023/06/20/isep-desenvolve-modelo-de-mercado-de-eletricidade-que-permite-reducao-de-15-na-fatura/	Online	-	ISEP	✓	✓	✓	-	✓	✓	-	-	-	-
WO	https://zap.aeiou.pt/factura-luz-baixar-projecto-portugues-547560	Online	-	ISEP	✓	✓	✓	-	✓	✓	✓	✓	✓	✓

Table 8 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
PAO	Participation in ECEMP 2023	Online	-	ISEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	Parallel sessions chair Fernando Lezama - Renewable Generation and System Flexibility | Chair: Fernando Lezama (TradeRES)	Online	06-10-2023	ISEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	Johannes Kochems, Evelyn Sperber, Christoph Schimeczek, Kristina Nienhaus: "Comparison of Support Schemes for Renewables – German Case Study of project TradeRES" ECEMP, October 6th 2023, online	Online	06-10-2023	DLR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
K	Keynote Plenary 2: New challenges for scenarios. Feasibility, fairness, finance Zita Vale	Online	06-10-2023	ISEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 8 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
K	Comparison of Support Schemes for Renewables: German Case Study of project TradeRES – Christoph Schimeczek, DLR	Online	06-10-2023	DLR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OW	ECEMP - Skills workshop Agent-based simulation of electricity markets with AMIRIS - Christoph Schimeczek, German Aerospace Center (DLR)	Online	-	DLR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PW	Participating in ECEMP workshop	Online	-	DLR	-	✓	✓	-	-	-	✓	✓	✓	-
PEO	Contribution for the reform of European markets: TradeRES models, scenarios developed, and first results' IEA Task 25 meeting	Kyoto, Japan	09-05-2023	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 8 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	N. Helistö: Market design issues for very high shares of wind and solar. KAKENHI Workshop: Challenges and Solutions for Power Systems with Large Shares of Renewables: Global trends and implication for Japan. 10th May 2023, Kyoto, Japan.	Kyoto, Japan	10-05-2023	VTT	-	✓	✓	-	-	-	✓	✓	✓	-
PW	Laurens presented in a Workshop Capacity Subscription in Copenhagen	Copenhagen, Denmark	16-08-2023	TU Delft	-	✓	✓	-	-	-	✓	✓	✓	-
O	Internal meeting The TradeRES project had it's 7th plenary meeting on the last 19th and 20th of September in #Helsinki, #Finland, where several topics were discussed. Amongst them is the progress of the work plan until now, including the results achieved and ways to improve them, and also the approaches to meet the goals until the end of the project. These results will be presented online at the #ECEMP event this week, and at Enlit Europe in Paris next November.	Espoo, Sweden	19-09-2023 to 20-09-2023	TU Delft	-	✓	✓	-	-	-	✓	✓	✓	-
F	Fabric bag, pen and usb adaptor/connector, Roll up.	-	-	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 8 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	Ricardo Faia, Fernando Lezama, João Soares, Tiago Pinto, Zita vale, “Local electricity markets: A review on benefits, barriers, current trends and future perspectives”, Renewable and Sustainable Energy Reviews	-	-	ISEP	-	-	-	-	-	-	✓	-	-	-
PSJ	Ricardo Faia, Fernando Lezama, João Soares, Tiago Pinto, Zita Vale, “Local electricity markets: A review on benefits, barriers, current trends and future perspectives”, Renewable and Sustainable Energy Reviews, 190, November 2023 | https://doi.org/10.1016/j.rser.2023.114006	-	11-2023	ISEP	-	-	-	-	-	-	✓	-	-	-
OW	Stakeholder workshop on the Dutch case study of the TradeRES project	Amsterdam, Netherlands	21-11-2023	TNO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PW	GECAD’s Internal Workshop 2023 (excluding TradeRES researchers) & sharing developed tools	Porto, Portugal	04-01-2024 to 01-05-2024	ISEP	-	✓	✓	-	-	-	✓	✓	✓	-

Table 8 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	Meysam Khojasteh, Pedro Faria, Luis Gomes, Zita Vale, “Energy trading strategy of community shared energy storage”, Electrical Engineering, December 2023. https://doi.org/10.1007/s00202-023-02163-0	-	-	ISEP	-	-	-	-	-	-	✓	-	-	-
PSJ	Meysam Khojasteh, Pedro Faria, Luis Gomes, Zita Vale, “Energy trading strategy of community shared energy storage”, Electrical Engineering, December 2023. https://doi.org/10.1007/s00202-023-02163-0	-	12-2023	ISEP	-	-	-	-	-	-	✓	-	-	-
SSJ	Hugo Algarvio, Automated Bilateral Trading of Energy by Alliances in Multi-Agent Electricity Markets, Electronics, May 2023 https://doi.org/10.3390/electronics12112367	-	05-2023	LNEG	-	-	-	-	-	-	✓	-	-	-
PSJ	Hugo Algarvio, Automated Bilateral Trading of Energy by Alliances in Multi-Agent Electricity Markets, Electronics, May 2023 https://doi.org/10.3390/electronics12112367	-	24-05-2023	LNEG	-	-	-	-	-	-	✓	-	-	-

Table 8 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
The	José Campo: “Contribuição para a “gestão inteligente” de redes eléctricas recorrendo a metodologias de capacidade dinâmica de linhas”. Concluded MSc in 2023.	-	2023	LNEG	-	-	-	-	-	-	✓	-	-	-
The	João Santos: “Participação da geração renovável no mercado de reservas de um sistema eléctrico”. Started in 2023. To conclude in 2024.	-	2023	LNEG	-	-	-	-	-	-	✓	-	-	-
The	Vivian Sousa: “Analysis and definition of bids from variable renewable generation on electricity markets“. Started in 2023. To conclude in 2024.	-	2024	LNEG	-	-	-	-	-	-	✓	-	-	-
B	International Energy Agency Wind Technology Collaboration Programme https://usercontent.one/wp/iea-wind.org/wp-content/uploads/2022/03/portugal.pdf	-	03-2022	LNEG		✓	✓	-	-	-	✓	✓	✓	-

Table 8 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
B	International Energy Agency Wind Technology Collaboration Programme https://iea-wind.org/wp-content/uploads/2022/12/IEA_Wind_TCP_AR2021_Portugal.pdf	-	2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
B	João Santos: “Participação da geração renovável no mercado de reservas de um sistema elétrico”. Started in 2023. To conclude in 2024. International Energy Agency Wind Technology Collaboration Programme https://iea-wind.org/wp-content/uploads/2023/10/Portugal_2022.pdf	-	2023	LNEG	-	✓	✓	-	-	-	✓	✓	✓	-
THE	Vivian Sousa: “Analysis and definition of bids from variable renewable generation on electricity markets“. Started in 2023. To conclude in 2024.	-	2024	LNEG	-	-	-	-	-	-	✓	-	-	-

4. Public Deliverables

Many deliverables developed under TradeRES activities are public and have contributed during the development of work for a high dissemination level of the outcomes. All the public deliverables can be downloaded from the TradeRES website [2].

Table 9 presents the list of these deliverables, and the corresponding state (published (“√”), not published (“x”), or not available or not applicable (“N/A”).

Table 9 List of Public Deliverables ³

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	√
D2.3	D2.3 – How to use TradeRES optimization models database	WP2	VTT	Report	32	√
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	√
D3.5	D3.5 – Market design for a reliable ~100% renewable electricity system	WP3	TU Delft	Report	12	√

³ This deliverable, D7.4d, will be available after submission.

Table 9 List of Public Deliverables

Deliverable Number	Deliverable Title	WP Number	Lead Beneficiary	Type	Due Date (months)	Status
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	✓

Table 9 List of Public Deliverables

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	✓
D5.4	Performance assessment of current and new market designs and trading mechanisms for a Pan-European wholesale electricity market (Case study E)	WP5	EnBW	Report	56	N/A
D5.5	D5.5 – Comparative analysis of market designs	WP5	ISEP	Report	58	N/A
D6.2	D6.2.1 – User guide for TradeRES models and tools	WP6	ISEP	Report	25	✓
D6.3	D6.2.2 – Tutorial and webinar edited material	WP6	ISEP	Report	27	✓
D6.5	D6.4 – Recommendations for market trading in a ~100% power system	WP6	BY	Report	55	N/A
D7.1	D7.1 – Project website	WP7	Smartwatt / Enlitia	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	✓

Table 9 List of Public Deliverables

D7.4c	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	37	✓
D7.4d	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	48	x

5. 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 fourth year. Table 10 and Table 11 present the overall information about the KPI's. The column "4th year achieved" shows the actual accomplishment in the 4th year of the project and the overall project targets, this last one show what were accomplished. Three situations are foreseen: accomplished ("✓"); not accomplished ("x"); or not available/not applicable ("N/A").

Table 10 Fulfilment indicators.

KPI	Stakeholder addressed	4 th Year Target	4 th Year Achieved	4 th Year Status	Overall Target	Overall Achieved	Overall Status
Dissemination plan	ISEP	1	1	✓	1	1	✓
Dissemination activity report	LNEG	1	1	✓	4	3	x ⁴
Project logotype	ISEP	1	1	✓	1	1	✓
Project website	Smartwatt / Enlitia	1	1	✓	1	1	✓
Project Wordpress blog	ISEP	1	1	✓	1	1	✓
LinkedIn project page	ISEP	1	1	✓	1	1	✓
Twitter/X project page	ISEP	1	1	✓	1	1	✓
Facebook project page	ISEP	1	1	✓	1	1	✓
ResearchGate page	ISEP	1	1	✓	1	1	-
Market Design Web Decision Tool	All	1	N/A	N/A	1	N/A	N/A
TradeRES Market Tool	Project Partners	1	N/A	N/A	1	N/A	N/A

⁴ This Deliverable is not included in this count because, at the time it was conducted, it predates the completion of the project's fourth year. In this regard, just after the submission of this deliverable, this indicator will be achieved.

Table 11 Dissemination KPIs.

KPI	Stakeholder addressed	4th Year Target	4th Year Achieved	4th Year Status	Overall Target	Overall Achieved	Overall Status
Press release and press conference	All	3	0	x	8	3	x
Flyer	All	0	1	✓	2	4	✓
Communication Campaign (e.g., Radio, TV, journals, announcements)	C, P, N, L, T	1	1	✓	4	3	x
Newsletter	All	2	2	✓	8	8	✓
Video/Film	All except G	2	0	x	5	16	✓
No. of posts on Blog (N & E)	C, T, R	13	11	x	35	53	✓
No. of views on Blog (N & E)	C, T, R	200	143	x	375	424	✓
No. of posts on LinkedIn	P, G, A, V	20	36	✓	48	124	✓
No. of views on LinkedIn	P, G, A, V	700	8330	✓	1400	18782	✓
No. of posts on Twitter/X	All, except R	21	36	✓	44	124	✓
No. of views on Twitter/X	All, except R	700	1162	✓	1400	7735	✓
No. of posts on Facebook	C, L, T, O	15	25	✓	36	61	✓
No. of views on Facebook	C, L, T, O	400	405	✓	850	1063	✓
No. of reads ResearchGate	R	200	N/A	N/A	375	N/A	N/A
No. of unique visitors to the public website	All	1000	4445	✓	2500	13920	✓
Exhibition	P, N, A, V	1	2	✓	4	7	✓

Table 11. Dissemination KPIs (cont.)

KPI	Stakeholder addressed	4th Year Target	4th Year Achieved	4th Year Status	Overall Target	Overall Achieved	Overall Status
Training (e.g. summer schools, technical schools, webinars)	All, except G	4	3	x	8	19	✓
No. Training Participants (e.g. summer schools, technical schools, webinars)	All, except G	100	110	✓	200	836	✓
Special Sessions organized in relevant international conferences	P, N, R, A, V	1	7	✓	2	13	✓
No. participants in the organized special sessions	P, N, R, A, V	25	100	✓	50	266	✓
Organization of Workshop	P, N, R, A, V	1	12	✓	3	22	✓
No. participants in the organized Workshop	P, N, R, A, V	90	163	✓	230	891	✓
Participation to a Workshop	P, N, R, A, V	5	14	✓	15	21	✓
No. participants in the Workshop	P, N, R, A, V	350	506	✓	1050	811	x
Participation to a Conference	P, N, R, A, V	10	17	✓	30	45	✓
No. participants reached in the Conference	P, N, R, A, V	2000	820	x	6000	6452	✓
Participation to an Event other than a Conference or a Workshop (e.g., specific thematic events)	All	2	2	✓	5	5	✓

Table 1111. Dissemination KPIs (cont.)

KPI	Stakeholder addressed	4 th Year Target	4 th Year Achieved	4 th Year Status	Overall Target	Overall Achieved	Overall Status
No. participants reached in the Event other than a Conference or a Workshop	All	60	27	✓	150	427	✓
Published scientific journals	R	10	9	x	20	34	✓
Submitted scientific journals	R	4	6	✓	20	34	✓
Published industrial journals	P, N, A, V, O	1	1	✓	2	3	✓
Submitted industrial journals	P, N, A, V, O	0	1	✓	2	3	✓
Published conference papers	P, N, R, A, V	11	9	x	30	28	x
Submitted conference papers	P, N, R, A, V	4	6	✓	30	33	✓
Book contributions written	P, N, R, A, V	1	3	✓	2	5	✓
Representations in working groups	P, N, R, A, V	5	9	✓	20	24	✓
Participation in activities organized jointly with other EU project(s)	All	2	2	✓	4	4	✓

Table 1111. Dissemination KPIs (cont.)

KPI	Stakeholder addressed	4th Year Target	4th Year Achieved	4th Year Status	Overall Target	Overall Achieved	Overall Status
Keynotes and Invited talks	-	-	16	-	-	-	17
Thesis	-	-	-	-	-	-	6

According to Table 11 and in summary, the identified Key Performance Indicators (KPIs) requiring more attention include Press releases (3), Videos (2), Blog posts (2), and blog views (57). The number of training sessions (1), journal papers (1), and conferences (2) are almost complete, with a very low margin. In what concerns “participants reached in conferences”, there are 1180 missing although the number achieved is high during this year. Nevertheless, the balance from the whole period until the end of the project will be accomplished. However, among the KPIs listed for the entire project, presented in the last 3 columns, only Press releases (5), traditional media (1), and conference papers published (2) still require attention. Same happens with “participants reached in the workshop” that need additional 239 participants. This number is expected to be fulfilled by the end of the project since the (final) TradeRES public workshop was shifted to 2024.

On the other hand, several KPIs exceeded the foreseen goals. Examples are the number of views on LinkedIn, participants in the organized special sessions, participations in the organized workshops, and, in the overall project, Videos, Website, and Training Participants, among others.

6. Conclusion

This report presents the dissemination activities conducted in the scope of TradeRES project during the fourth year. The content of this report follows the initial dissemination and exploitation plan (D7.2) and corresponds to an update of the information reported in the previous editions of the progress dissemination report (D7.4 – Dissemination Activity Report).

In this report, the main highlights of the 4th year of the project in what concerns the dissemination activities, were presented, and some new additions were included that were considered sufficiently important to be reported at this stage.

The lists of ongoing master's and doctoral thesis were included. Significant emphasis was imposed on documenting and highlighting these initiatives, even in their ongoing state, as a testimony to our commitment to transparency and a comprehensive portrayal of our academic and research work, which may continue beyond the project's conclusion.

All the outcomes of this project disseminated on digital platforms (e.g., social media), when considering the organic traffic, represent a slower and challenging process. Nevertheless, the results surpassed the planned objectives.

The number of views and/or downloads through, for example, (journal) publications, represents a metric that was not considered since the beginning of the project but is continuously growing until this date. Some publishers provide metrics on these numbers and others don't, which led to disregard these number at the beginning of the project since they don't reflect the whole universe of publishers. This emphasizes that the project's outcomes' dissemination extends beyond the current measured parameters, with the number of views of the content expanding over time across different platforms and subjects. As we approach the deadline of this reporting period on January 31, 2024, this strategic evaluation will provide valuable insights into a broader audience engagement and the overall success of the digital outreach initiatives, and therefore will be considered (as an estimate) at the final dissemination report.

In what concerns KPIs, by the end of the 4th year of the project, the great majority of these were already achieved and, in some cases, surpassed - e.g scientific journals published, views on LinkedIn, videos produced, people reached in many events, such as special sessions.

On the other hand, other KPIs were still not achieved at this date and require a greater effort from the consortium. These are Press Releases, Traditional Media, and the Number of Participants Reached in the workshop (for this entry, we have a public project workshop scheduled for the next period) and published conference papers. However, due to the extension granted to the Project until the end of November 2024, it is expected that the mentioned KPIs will be met and included in the final report.

The goal for the next period (2024-02-01 to 2024-11-30) is to continue working towards the dissemination targets, as well as to reinforce the effort in the fulfilment of the KPIs that need more attention (Traditional media, press releases, participants reached at the workshops). Being the great majority of the outcomes expected to the last part of the project, it is possible to have more participations in events and reach larger audiences, making TradeRES an even more recognized project, with even more valuable content to share.

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] Blog: <https://traderes.eu/blog/>
- [4] LinkedIn: <https://www.linkedin.com/company/traderes>
- [5] Twitter / X: <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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
SSO	Special Session - Panel PES “Artificial intelligence approaches for energy management in rural and urban energy communities”, by João Soares and Zita Vale	-	17-07-2022	50	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
SIJ	Ana Estanqueiro, António Couto, Dawei Qiu, Goran Strbac, Evelyn Sperber, Gabriel Santos, Joannes Kochems, Jos Sijm, Nikos Chrysanthopoulos, Zita Vale, “New Markets Design & Models for 100% Renewable Power Systems”, European Energy Innovation Magazine (winter edition), pp. 26, 2022. Link 📌 Did you see our article in the European Energy Innovation magazine (winter edition)? https://www.europeanenergyinnovation.eu/OnlinePublication/Winter2022/index.html#p=27	-	2022	-	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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PIJ	Ana Estanqueiro, António Couto, Dawei Qiu, Goran Strbac, Evelyn Sperber, Gabriel Santos, Joannes Kochems, Jos Sijm, Nikos Chrysanthopoulos, Zita Vale, “New Markets Design & Models for 100% Renewable Power Systems”, European Energy Innovation Magazine (winter edition), pp. 26, 2022. 📌 Did you see our article in the European Energy Innovation magazine (winter edition)? https://www.europeanenergyinnovation.eu/OnlinePublication/Winter2022/index.html#p=27	-	2022	-	LNEG	✓	-	✓	-	✓	11	✓	-	-	-	✓	-
THE	Bart van Nobelen concluded a master’s thesis on the scope of the project, with the title “Security of supply during the energy transition”, at Delft University of Technology. https://repository.tudelft.nl/islandora/object/uuid%3A463269eb-b72f-4d0a-a9fb-dcc8c69f4868	-	23-09-2022	-	TU Delft	-	-	-	100	-	-	-	-	-	-	✓	-
THE	Jim Hommes, concluded a master’s thesis on the scope of the project, with the title “Exploring Soft-linking of Market Modules and an Optimization Model”, at Delft University of Technology. https://repository.tudelft.nl/islandora/object/uuid%3A63691862-9a26-4df3-b6dd-57bed6c9d8a5	-	30-08-2021	-	TU Delft	-	-	-	-	-	-	-	-	-	-	-	-

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PW	Participation in the Workshop “Agent-based Modeling for Energy Economics and Energy Policy”, organized by DLR.	-	01-02-2023	30	TU Delft												
PW	Participation in the riskday, project discussion. https://www.riskday.co.uk/2023	London, UK	08-03-2023	100	Imperial	.	.	.	.	.	.	.	.	.	.	.	.
RWG	Hellenic International Power Group workshop (supported by the IEEE Greece PES Chapter) had attendance and presentations.	-	22-12-2022	30	Imperial	.	.	.	.	.	.	.	.	.	.	.	.
PCP	Nikolaos Chrysanthopoulos, Dimitrios Papadaskalopoulos, Goran Strbac, “Non-Mutually Exclusive Business Models for LES: A Quantitative Assessment”, 13th Mediterranean Conference on Power Generation, Transmission and Distribution and Energy Conversion (MEDPOWER 2022), Malta, November 07-09, 2022. https://doi.org/10.1049/icp.2023.0039	-	29-05-2023	-	Imperial	.	.	✓	104	✓	26	.	.	.	.	✓	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
WO	Exciting News Unveiled! 🚀 We're thrilled to announce that our project has been granted an extension. This opens up new opportunities for continuous improvement and deepening our impact. Stay tuned.	-	20-12-2023	-	-	✓	-	-	-	-	-	-	-	-	-	-	-
N	Newsletter 7	-	13-09-2023	-	ISEP	✓	-	✓	79	✓	16	✓	6	-	-	✓	-
PC	Participation in IEWT	Vienna, Austria	15-02-2023	500	EnBW	-	-	✓	112	✓	20	✓	13	-	-	✓	-

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
K	Presentation: Ingrid Sanchez, Laurens de Vries: “Can an energy only market enable resoucre adequacy in a ~100% power system in Netherlands”. 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria) https://iewt2023.eeg.tuwien.ac.at/	Vienna, Austria	15-02-2023	40	TU Delft	.	.	.	.	.	.	.	.	.	.	.	.
K	This was only presentation https://digital-library.theiet.org/journals/conference-proceedings Silke Johanndeiter, Juha Kiviluoma, Niina Helistö, “Wholesale electricity prices in European power systems with high shares of renewables – the impact of market designs”, IEWT, Vienna, Austria, February 15-17, 2023	-	15-02-2023	-	EnBW	.	.	.	.	.	.	.	.	.	.	.	.
K	Evelyn Sperber, Christoph Schimeczek: “Nutzer- und systemseitige Effekte durch preisbasiertes Demand Response mit Wärmepumpen”. 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria)	-	15-02-2023	500	DLR	.	.	.	.	.	.	.	.	.	.	.	.
K	Johannes Kochems, Christoph Schimeczek: “Wirkung dynamischer Stromtarife auf Lastmanagementpotenziale”. 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria)	-	15-02-2023	-	DLR	.	.	.	.	.	.	.	.	.	.	.	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
K	Poster, Kristina Nienhaus, Evelyn Sperber, Johannes Kochems, Christoph Schimeczek: “Evaluation of remuneration schemes for renewable energy technologies”. 13. Internationale Energiewirtschaftstagung an der TU Wien, 15-17 February 2023, Vienna (Austria)	-	15-02-2023	-	DLR	.	.	.	.	.	.	.	.	.	.	.	.
PSJ	Hugo Algarvio, Fernando Lopes, “Strategic Bidding of Retailers in Wholesale Markets: Continuous Intraday Markets and Hybrid Forecast Methods”, Sensors 23, no. 3: 1681, January 2023. https://doi.org/10.3390/s23031681	-	03-02-2023	-	LNEG	.	.	✓	219	✓	26	.	.	.	.	.	.
PC	⚡ More news, we’ll be in Rome from today until Thursday, taking part in the prestigious 27th International Conference & Exhibition on Electricity Distribution (CIRED). With the paper: ““On the Effects of Tariff Structures on the Revenue Streams of Local Energy Systems”“! #CIRED2023	Rome, Italy	12-06-2023	150	Imperial	.	.	✓	159	✓	67	.	.	.	.	✓	.
PCP	📄 The publication from CIRED 2023 is available! Explore: “On the effects of tariff structures to the revenue streams of local energy systems”. Dive into insights on how tariffs impact LES revenue in Spain and Austria. 🚀 📖 Read now: DOI 🔗 More papers: DOI #LES #DER #Flexibility ...	-	12-06-2023	-	Imperial	.	.	✓	111	✓	18	✓	11	.	.	✓	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
OW	TradeRES Iberian Stakeholders' Workshop: Electricity markets with high shares of renewables	Porto, Portugal	24-11-2023	26	ISEP	✓	-	✓	182	✓	15	✓	11	-	-	✓	-
PW	Last Friday's workshop showcased a dynamic agenda. In the policy-oriented first part (Session A), we delved into market design options and unveiled our latest modeling results. The subsequent part (Session B) specifically targeted energy system modelers, offering hands-on experience with project-enhanced tools—Spine Toolbox, MASCEM, and REStTrade. In the final segment (Session C), we engaged in a comprehensive discussion, exploring strengths, weaknesses, and future challenges. From this collaborative session, excellent ideas were extracted, reflecting the wealth of insights generated. Throughout the workshop, we derived valuable lessons and presented compelling content tailored for our stakeholders.	Porto, Portugal	24-11-2023	36	ISEP	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
T	Last month @Niina Helistö was one of the speakers at the YEAR network SUSTAINABLE ENERGY AND ENERGY TRANSITION webinar. This webinar focused on storage systems, markets and energy system planning. More info: https://www.year-network.com/ourevents/sustainable-energy-and-energy-transition/ #markets #models #renewables	Online	24-02-2023	40	VTT	.	.	✓	98	✓	23	✓	17	.	.	✓	.
E	Enlit Europe (Formerly European Utility Week and POWERGEN Europe)	Paris, France	28-11-2023	700	LNEG	✓	.	✓	748	✓	93	.	80	.	.	✓	.
K	Enlit Europe 2023, session “Technologies for Consumers”. Presentation and participation in a round table.	Paris	29-11-2023	50	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
N	Newsletter 8	Online	26-01-2024	2000	ISEP	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PC	<p>🚀 Huge presence at the conference EEM 23 in Lappeenranta, Finland. Meet the inspiring energy TradeRES team. 💡 This Special Session highlighted the project's findings and achievements, including electricity market models, case studies from local energy communities, and the modelling of new market designs for a (near) 100% renewable energy system. Presentations already available:</p>	Lappeenranta, Finland!	06-06-2023	90	LNEG	✓	-	✓	669	✓	28	✓	20	✓	-	✓	-
SSO	<p>🔔 Exciting News! Join us for a special session at EEM2023 in picturesque Lappeenranta, Finland! 🌍 FI TradeRES is thrilled to present an independent event, completely FREE of charge! Don't miss this opportunity to gain valuable insights and network with industry experts. The agenda is now available here: https://traderes.eu/wp-content/uploads/2023/06/TradeRES-Agenda-Special-Session-at-EEM23.pdf</p> <p>🗨️ See you at EEM2023 in Lappeenranta on the 8th of June! 📁 🔥</p> <p>#TradeRES #EEM2023 #SpecialSession #research #science #energy #Free #IndustryExperts</p>	-	06-06-2023	50	LNEG	-	-	✓	215	✓	31	-	13	-	-	✓	-

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
SCP	Fernando Lezama, Ricardo Faia, Pedro Faria, Zita Vale, “Analysing the Impact of Local Electricity Transactions with EV Penetration on the Electrical Grid”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI	-	22-03-2023	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
SCP	Gabriel Santos, Ricardo Faia, Fernando Lezama, Zita Vale, “Multilevel Electricity Trading Simulation considering Energy Communities Participation”, 19th International Conference on the European Energy Market (EEM), 1–5, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	22-03-2023	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
SCP	Til Kristian Vrana, Harald G. Svendsen, Magnus Korpås, António Couto, Ana Estanqueiro, Damian Flynn, Hannele Holttinen, Philipp Härtel, Matti Koivisto, Eric Lantz, “Improving wind power market value with various aspects of diversification “, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI	-	22-03-2023	-	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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
SCP	Dawei Qiu, Nikolaos Chrysanthopoulos, Goran Strbac, “Tariff Design for Local Energy Communities Through Strategic Retail Pricing”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	22-03-2023	-	Imperial	.	.	.	.	.	.	.	.	.	.	.	.
SCP	Junkai Wang, Dawei Qiu, Goran Strbac, Yujian Ye, “Market-Based Generation Planning with Carbon Target”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | https://doi.org/10.1109/EEM58374.2023.10161889	-	22-03-2023	-	Imperial	.	.	.	.	.	.	.	.	.	.	.	.
SCP	Niina Helistö; Silke Johanneiter; Juha Kiviluoma, “The Impact of Sector Coupling and Demand-side Flexibility on Electricity Prices in a Close to 100% Renewable Power System”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | https://doi.org/10.1109/EEM58374.2023.10161962	-	22-03-2023	-	VTT	.	.	.	.	.	.	.	.	.	.	.	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PCP	Fernando Lezama, Ricardo Faia, Pedro Faria, Zita Vale, “Analysing the Impact of Local Electricity Transactions with EV Penetration on the Electrical Grid”, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI	-	06-06-2023	-	ISEP	.	.	✓	410	✓	20	✓	11	.	.	✓	.
PCP	Gabriel Santos, Ricardo Faia, Fernando Lezama, Zita Vale, “Multilevel Electricity Trading Simulation considering Energy Communities Participation”, 19th International Conference on the European Energy Market (EEM), 1–5, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	06-06-2023	-	ISEP	.	.	✓		✓				.	.	✓	.
PCP	Til Kristian Vrana, Harald G. Svendsen, Magnus Korpås, António Couto, Ana Estanqueiro, Damian Flynn, Hannele Holttinen, Philipp Härtel, Matti Koivisto, Eric Lantz, “Improving wind power market value with various aspects of diversification “, 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | DOI	-	06-06-2023	-	LNEG	.	.	✓	396	✓	33			.	.	✓	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PCP	Dawei Qiu, Nikolaos Chrysanthopoulos, Goran Strbac, "Tariff Design for Local Energy Communities Through Strategic Retail Pricing", 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | DOI	-	06-06-2023	-	Imperial	.	.	✓		✓				.	.	✓	.
PCP	Junkai Wang, Dawei Qiu, Goran Strbac, Yujian Ye, "Market-Based Generation Planning with Carbon Target", 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023. | https://doi.org/10.1109/EEM58374.2023.10161889	-	06-06-2023	-	Imperial	.	.	✓	162	✓	27	✓	12	.	.	✓	.
PCP	Niina Helistö; Silke Johanneiter; Juha Kiviluoma, "The Impact of Sector Coupling and Demand-side Flexibility on Electricity Prices in a Close to 100% Renewable Power System", 19th International Conference on the European Energy Market (EEM), 1–6, Lappeenranta, Finland, June 6-8, 2023 | https://doi.org/10.1109/EEM58374.2023.10161962	-	06-06-2023	-	VTT	.	.	.		.		.		.	.	✓	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
K	A. Couto, A. Estanqueiro, G. Strbac, N. Chrysanthopoulos, G. Santos, S. Johanndeiter, H. Algarvio, H. Syse, E. Sperber, N. Wang, I. Jimenez, D. Qiu, Z. Vale, K. Nienhaus, J. Kochems, C. Schimeczek, J. Sijm, L. de Vries and F. Lopes (2023). Innovative Electricity Market Designs to Support a Transition to (Near) 100% Renewable Power System: First Results from H2020 TradeRES Project. Oral presentation at the 22nd Wind & Solar Integration Workshop, Copenhagen.	Copenhagen, Denmark	26-09-2023	100	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
PCP	A. Estanqueiro, G. Strbac, N. Chrysanthopoulos, G. Santos, S. Johanndeiter, H. Algarvio, H. Syse, E. Sperber, N. Wang, I. Jimenez, D. Qiu, Z. Vale, K. Nienhaus, J. Kochems, C. Schimeczek, J. Sijm, L. de Vries, F. Lopes, A. Couto, "Innovative electricity market designs to support a transition to (near) 100% renewable power system: first results from H2020 TradeRES project," 22nd Wind and Solar Integration Workshop (WIW 2023), Copenhagen, Denmark, 2023, pp. 274-281, https://doi.org/10.1049/icp.2023.2748	Copenhagen, Denmark	26-09-2023	100	LNEG	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
SSJ	Dawei Qiu, Yi Wang, Junkai Wang, Chuanwen Jiang, Goran Strbac, “Personalized retail pricing design for smart metering consumers in electricity market”, Applied Energy, 348, July 2023 | https://doi.org/10.1016/j.apenergy.2023.121545	-	16-07-2023	-	Imperial	.	.	.	.	.	.	.	.	.	.	.	.
PSJ	Dawei Qiu, Yi Wang, Junkai Wang, Chuanwen Jiang, Goran Strbac, “Personalized retail pricing design for smart metering consumers in electricity market”, Applied Energy, 348, July 2023 | https://doi.org/10.1016/j.apenergy.2023.121545	-	16-07-2023	-	Imperial	.	.	✓	265	✓	45	✓	10	.	.	✓	.
PSJ	António Couto, Ana Estanqueiro, “Wind power plants hybridised with solar power: A generation forecast perspective”, Journal of Cleaner Production 423, September 2023 | https://doi.org/10.1016/j.jclepro.2023.138793	-	12-09-2023	-	LNEG	.	.	✓	69	✓	21	✓	7	.	.	.	.
RWG	A. Couto and A. Estanqueiro: Addressing the challenges of wind power plants hybridised with solar power: A generation forecast perspective. IEA Task 51 event.	Online	-	30	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	Views	LinkedIn	Views	Twitter / X	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	Online	-	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
RWG	EERA-ESI European Energy Research Agency – Energy Systems Integration	Online	-	100	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
RWG	IEEE Power and Energy Society Multi-Agent Systems Working Group	-	-	-	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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
RWG	IEEE Power and Energy Society AMPS ISS Intelligent Data Mining and Analysis (IDMA) WG	-	-	-	ISEP	-	-	-	-	-	-	-	-	-	-	-	-
RWG	Participating in the IEA Task 25 group	Kyoto, Japan	08-05-2023	30	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
RWG	Hellenic International Power Group workshop (supported by the IEEE Greece PES Chapter) had attendance and presentations.	-	21-12-2023	30	Imperial	-	-	-	-	-	-	-	-	-	-	-	-
THE	PhD Thesis: Helistö Niina Analysing flexibility in energy system investment planning. Pre-examination application submitted. 13 Sep 2023. Defence to be 15 March 2024.	-	-	-	VTT	-	-	-	-	-	-	-	-	-	-	-	-

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
THE	(Introduced in the 3rd year) PhD Thesis: Johanndeiter Silke, "The economics of variable renewables in wholesale markets – towards a future-proof market design". Planning to submit it in April 2024 / defend it in July 2024	-	-	-	EnBW	.	.	.	.	.	.	.	.	.	.	.	.
THE	(Introduced in the 3rd year) MSc Thesis: Lukas Scherzinger, on capacity mechanisms using TradeRES-models and data at EnBW. started to write his Master Thesis (08-08-2022)	-	08-08-2022	-	EnBW	.	.	.	.	.	.	.	.	.	.	.	.
THE	(Introduced in the 3rd year) Phd Ingrid Janet Sanchez Jimenez (since September 2020)	-	01-09-2020	-	TU Delft	.	.	.	.	.	.	.	.	.	.	.	.
THE	PhD Johannes Kochems Title: "Demand Response Potentials for Germany. Micro-economic assessment of overall economic potential estimates" Prediction: end of 2023	-	-	-	DLR	.	.	.	.	.	.	.	.	.	.	.	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
THE	PhD Evelyn Sperber Title: Agent-based modelling and simulation of interactions between the electricity and heat markets using the example of residential heat pumps Prediction: 2024	-	2024	-	DLR	.	.	.	.	.	.	.	.	.	.	.	.
THE	PhD António Couto Title: Exploring Complementarity between Wind and Solar PV generation for Large-scale Integration into Power Systems	-	01-04-2019	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
THE	(Introduced in the 3rd year) MSc Thesis: Catarina Marcelino. Title: Local Communities and Electricity Markets: Forecast of net consumption on a residential scale. Started to write his Master Thesis (January 2023)	-	01-01-2023	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
THE	MSc: Rodrigo Marias. Title: Complementarity of wind and photovoltaic solar generation in Portugal – historical and prospective analysis.	-	01-10-2023	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PC	<p>💡 We submitted two abstracts (one from EnBW and another from TUDelft) for the IAEE event in Milan, Italy.</p> <p>🌐 This conference was a paramount opportunity to showcase the latest insights and contributions to the energy industry experts and leaders. For more details, you can explore here: https://www.aiee.it/iaee_2023</p> <p>#IAEE #Conference #Energy #Innovation #Advancements #TradeRES #Research #H2020</p>	Milan, Italy	24-07-2023	30	TU Delft	.	.	✓	177	✓	32	✓	15	.	.	✓	.
K	Abstract presentation, Silke Johanndeiter, Niina Helistö, Juha Kiviluoma, Valentin Bertsch, "Integrating prosumers into a fully decarbonized European wholesale electricity market", 18th IAEE European conference The Global Energy Transition Toward Decarbonization, Milan, Italy, July 24-27, 2023	Milan, Italy	24-07-2023	30	EnBW	.	.	.	.	.	.	.	.	.	.	.	.
K	Abstract presentation, Ingrid Janet Sanchez Jimenez, Laurens de Vries, "Capacity mechanisms in a highly renewable electricity market with flexible resources", 18th IAEE European conference The Global Energy Transition Toward Decarbonization, Milan, Italy, July 24-27, 2023	Milan, Italy	24-07-2023	30	TU Delft	.	.	.	.	.	.	.	.	.	.	.	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
K	Abstract presentation David Ribo, "The EU electricity markets under reform: consensus, disagreements, and unknowns", 18th IAEE European conference The Global Energy Transition Toward Decarbonization, Milan, Italy, July 24-27, 2023	Milan, Italy	24-07-2023	30	TU Delft	.	.	.	.	.	.	.	.	.	.	.	.
PW	TradeRES had the opportunity to participate in a PhD workshop by Ruhr-University Bochum's distinguished chair of energy systems and energy economics. Our presentation was "Integrating prosumers into a fully decarbonized European wholesale electricity market".	Internal	31-07-2023	20	EnBW	.	.	.	.	.	.	.	.	.	.	.	.
T	Next week TradewRES will participate in the Winter school 2023 - Planning under Uncertainty in Energy Markets, @Norway. #engineering #optimization Norwegian University of Science and Technology (NTNU) #NTRANS	Geilo, Norway	26/03/2023	30	TU Delft	.	.	✓	103	✓	22	✓	19	.	.	✓	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
SSJ	Hugo Algarvio, “The Economic Sustainability of Variable Renewable Energy Considering the Negotiation of Different Support Schemes”, Sustainability 15, March 2023.	-	21-02-2022	-	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
PSJ	Hugo Algarvio, “The Economic Sustainability of Variable Renewable Energy Considering the Negotiation of Different Support Schemes”, Sustainability 15, March 2023. https://doi.org/10.3390/su15054471 | Bulletin	-	02-03-2023	-	LNEG	.	.	✓	88	✓	27	.	.	.	.	✓	.
PSJ	Bruno Veiga, Gabriel Santos, Tiago Pinto, Ricardo Faia, Carlos Ramos, Zita Vale, "Simulation tools for electricity markets considering power flow analysis", Energy, April 2023. https://doi.org/10.1016/j.energy.2023.127494	-	11-04-2023	-	ISEP	.	.	✓	139	✓	73	.	.	.	.	✓	.
PW	TradeRES had the opportunity to participate in a PhD workshop by Ruhr-University Bochum’s distinguished chair of energy systems and energy economics. Our presentation was “Integrating prosumers into a fully decarbonized European wholesale electricity market”.	Internal	31-07-2023	15	EnBW	.	.	.	.	.	.	.	.	.	.	✓	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PW	Participation in the workshop GECAD Energy Day	Porto, Portugal	24-05-2023	93	ISEP	-	-	✓	129	✓	36	✓	29	-	-	✓	-
T	We attended the 'Empirical Methods for the Analysis of the Energy Transition' Summer School at the Barcelona School of Economics. Here's an overview of what was discussed: 1 The climate change challenge and trends in energy: introduction and facts 2 Supply side and wholesale pricing: intro and modelling basics 3 Machine learning in the supply side: dimensionality reduction of complex models 4 Demand side and retail pricing: basics intro and modelling basics 5 Machine learning in the demand side: demand response and energy efficiency https://bse.eu/study/summer-school/energy-economics	Barcelona, Spain	10-07-2023	40	TU Delft	-	-	✓	726	✓	77	✓	14	-	-	✓	-

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PC	EERA Energy Systems Integration Conference: Research meets policy https://www.eventbrite.be/e/energy-systems-integration-conference-research-meets-policy-tickets-600182912247	Brussels, Belgium	29-06-2023	50	TU Delft	.	.	✓	281	✓	35	✓	15	.	.	✓	.
OW	<p>👉 Exciting News! Join us for a special workshop hosted by TradeRES and EERA-ESI, right before the EERA-ESI 2023 Conference in Brussels! This independent event is open to everyone in the electricity markets community, including non-EERA members. Secure your online tickets now to ensure your spot (free)! 👉 Register here: https://www.eventbrite.pt/e/eera-esi-traderes-workshop-hybrid-tickets-652014010457 Don't miss this opportunity, on the 28th of June, see you at the workshop. 🗑️🔥</p>	Brussels, Belgium	28-06-2023	60	LNEG	✓	.	✓	336	✓	18	✓	18	.	.	✓	.
C	https://eco.sapo.pt/2023/06/20/isep-desenvolve-modelo-de-mercado-de-eletricidade-que-permite-reducao-de-15-na-fatura/	Online	20-06-2023	-	ISEP	.	.	.	.	.	.	.	.	.	.	✓	.

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
WO	https://zap.aeiou.pt/factura-luz-baixar-projecto-portugues-547560	Online	19-07-2023	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
PAO	Participation in ECEMP 2023	Online	06-10-2023	90	ISEP	.	.	✓	510	✓	114	✓	11	.	.	✓	.
K	Parallel sessions chair Fernando Lezama Renewable Generation and System Flexibility | Chair: Fernando Lezama (TradeRES)	Online	06-10-2023	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
K	Johannes Kochems, Evelyn Sperber, Christoph Schimeczek, Kristina Nienhaus: “Comparison of Support Schemes for Renewables – German Case Study of project TradeRES” ECEMP , October 6th 2023, online	Online	06-10-2023	20	DLR	.	.	.	.	.	.	.	.	.	.	.	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
K	Keynote Zita Vale, Plenary 2: New challenges for scenarios. Feasibility, fairness, finance	Online	06-10-2023	-	ISEP	.	.	.	.	.	.	.	.	.	.	.	.
K	Comparison of Support Schemes for Renewables: German Case Study of project TradeRES – Christoph Schimeczek, DLR	Online	06-10-2023	-	DLR	.	.	.	.	.	.	.	.	.	.	.	.
OW	ECEMP - Skills workshop Agent-based simulation of electricity markets with AMIRIS - Christoph Schimeczek, German Aerospace Center (DLR)	Online	05-10-2023	30	DLR	.	.	.	.	.	.	.	.	.	.	.	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PEO	Contribution for the reform of European markets: TradeRES models, scenarios developed, and first results' IEA Task 25 meeting	Kyoto, Japan	09-05-2023	27	LNEG	.	.	.	.	.	.	.	.	.	.	.	.
PW	N. Helistö: Market design issues for very high shares of wind and solar. KAKENHI Workshop: Challenges and Solutions for Power Systems with Large Shares of Renewables: Global trends and implication for Japan. 10th May 2023, Kyoto, Japan.	Kyoto, Japan	10-05-2023	120	VTT	.	.	.	.	.	.	.	.	.	.	.	.
PW	Laurens presented in a Workshop Capacity Subscription in Copenhagen	Copenhagen, Denmark	16-08-2023	10	TU Delft	.	.	.	.	.	.	.	.	.	.	.	.

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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
O	Internal meeting The TradeRES project had it's 7th plenary meeting on the last 19th and 20th of September in #Helsinki, #Finland, where several topics were discussed. Amongst them is the progress of the work plan until now, including the results achieved and ways to improve them, and also the approaches to meet the goals until the end of the project. These results will be presented online at the #ECEMP event this week, and at Enlit Europe in Paris next November.	-	19-09-2023	-	-	✓	-	✓	234	✓	98	✓	16	-	-	✓	-
F	Fabric bag, pen and usb adaptor/connector, Roll up.	-	-	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
SSJ	Ricardo Faia, Fernando Lezama, João Soares, Tiago Pinto, Zita vale, "Local electricity markets: A review on benefits, barriers, current trends and future perspectives", Renewable and Sustainable Energy Reviews	-	19-10-2023	-	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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PSJ	Ricardo Faia, Fernando Lezama, João Soares, Tiago Pinto, Zita Vale, “Local electricity markets: A review on benefits, barriers, current trends and future perspectives”, Renewable and Sustainable Energy Reviews, 190, November 2023 https://doi.org/10.1016/j.rser.2023.114006	-	16-11-2023	-	ISEP	.	.	✓	146	✓	16	.	.	.	.	✓	.
OW	Stakeholder workshop on the Dutch case study of the TradeRES project	Amsterdam, Netherlands	21-11-2023	13	TNO	.	.	.	.	.	.	.	.	.	.	.	.
PW	GECAD’s Internal Workshop 2023 (excluding TradeRES researchers) & sharing developed tools	Porto, Portugal	04-01-2024	22	ISEP	.	.	✓	520	✓	23	✓	15	.	.	✓	.
SSJ	Meysam Khojasteh, Pedro Faria, Luis Gomes, Zita Vale, “Energy trading strategy of community shared energy storage”, Electrical Engineering, December 2023. https://doi.org/10.1007/s00202-023-02163-0	-	-	-	ISEP

Table A1. Detailed List of KPI (cont.)

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Event type	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
PSJ	Meysam Khojasteh, Pedro Faria, Luis Gomes, Zita Vale, “Energy trading strategy of community shared energy storage”, Electrical Engineering, December 2023. https://doi.org/10.1007/s00202-023-02163-0	-	16-12-2023	-	ISEP	-	-	✓	374	✓	10	✓	6	-	-	✓	-
SSJ	Hugo Algarvio, Automated Bilateral Trading of Energy by Alliances in Multi-Agent Electricity Markets, Electronics, May 2023 https://doi.org/10.3390/electronics12112367	-	-	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
PSJ	Hugo Algarvio, Automated Bilateral Trading of Energy by Alliances in Multi-Agent Electricity Markets, Electronics, May 2023 https://doi.org/10.3390/electronics12112367	-	24-05-2023	-	LNEG	-	-	✓	13	✓	-	✓	-	✓	-	✓	-

Table A1. Detailed List of KPI (cont.)

Event type	Dissemination Activity					Channels (date of the post and views)											
	Description	Location	Event date	People Reach	Main Responsible partner	Blog	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
THE	José Campo: “Contribuição para a "gestão inteligente" de redes eléctricas recorrendo a metodologias de capacidade dinâmica de linhas”. Concluded MSc in 2023.	-	-	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
THE	João Santos: “Participação da geração renovável no mercado de reservas de um sistema eléctrico”. MSc started in 2023. To conclude in 2024..	-	2023	-	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
THE	Vivian Sousa: “Analysis and definition of bids from variable renewable generation on electricity markets“. MSc started in 2023. To conclude in 2024.	-	2023	-	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	Views	LinkedIn	Views	Twitter / X	Views	Facebook	Views	Research Gate	Views	Website	Views
B	International Energy Agency Wind Technology Collaboration Programme https://usercontent.one/wp/iea-wind.org/wp-content/uploads/2022/03/portugal.pdf	-	03-2022	200	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
B	International Energy Agency Wind Technology Collaboration Programme https://iea-wind.org/wp-content/uploads/2022/12/IEA_Wind_TCP_AR2021_Portugal.pdf	-	12-2022	200	LNEG	-	-	-	-	-	-	-	-	-	-	-	-
B	International Energy Agency Wind Technology Collaboration Programme https://iea-wind.org/wp-content/uploads/2023/10/Portugal_2022.pdf	-	10-2023	200	LNEG	√	-	-	-	-	-	-	-	-	-	-	-