



**TradeRES**

New Markets Design & Models for  
100% Renewable Power Systems

## D7.4 - Dissemination Activity Report

Deliverable number: D7.4  
Work Package: WP7  
Lead Beneficiary: LNEG



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 864276

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<b>Document information</b>			
<b>Version</b>	<b>Date</b>	<b>Dissemination Level</b>	<b>Description</b>
<b>1.0</b>	01-02-2021	Public	Detailed report describing the dissemination activities in the first year of project

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## Executive Summary

This deliverable presents the first year dissemination activities that were planned by the consortium members and presented in the initial dissemination and exploitation plan (D7.2). The report describes: stakeholders and target groups, fulfilment indicators and progress indicators, detailed KPI lists including general promotion of the project, social media, traditional media promotion and communication of regular news and announcements, publication in scientific journals, special book chapters and participation in workshops and international conferences, organization of scientific events, conferences, workshops, thesis, and dissemination material. Conclusions are presented on the achievement of the defined KPIs and identification of points to be improved during the 2<sup>nd</sup> year of the project.

# Table of Contents

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1	<i>Introduction</i> .....	5
2	<i>Stakeholders and Target Groups</i> .....	6
3	<i>Public Deliverables</i> .....	13
4	<i>Key Performance Indicators (KPI)</i> .....	15
5	<i>Detailed KPI lists</i> .....	18
6	<i>Conclusion</i> .....	28
	<i>References</i> .....	29

## List of Tables

Table 1. Contact with target group. ....	7
Table 2. List of Public Deliverables. ....	13
Table 3. Fulfilment indicators. ....	15
Table 4. Dissemination KPIs. ....	16
Table 5: Press release and press conference.....	18
Table 6: Flyer.....	18
Table 7: Communication Campaign (e.g. Radio, TV, journals, announcements).....	18
Table 8: Newsletter .....	18
Table 9: Video/Film .....	19
Table 10: Blog (N & E) [3] .....	19
Table 11: LinkedIn [4].....	20
Table 12: Twitter [5].....	21
Table 13: Facebook [6].....	22
Table 14: ResearchGate [7] .....	22
Table 15: Unique visitors to the public website [2] .....	22
Table 16: Exhibition .....	23
Table 17: Training (e.g. summer schools, technical schools, webinars).....	23
Table 18: Special Sessions organized in relevant international conferences .....	23
Table 19: Organisation of Workshop .....	24
Table 20: Participation to a Workshop .....	24
Table 21: Participation to a Conference .....	24
Table 22: Participation to an Event other than a Conference or a Workshop (e.g., specific thematic events).....	24
Table 23: Published scientific journals .....	25
Table 24: Submitted scientific journals.....	25
Table 25: Published industrial journals .....	25
Table 26: Submitted industrial journals .....	25
Table 27: Published conference papers.....	26
Table 28: Submitted conference papers .....	26
Table 29: Book contributions written .....	27
Table 30: Representations in working groups.....	27
Table 31: Participation in activities organized jointly with other EU project(s) .....	27

# 1 Introduction

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

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

Conclusions are presented on the achievement of the planned KPIs and on the planned actions to overcome any identified problems during the following periods.

## 2 Stakeholders and Target Groups

This chapter addresses the main stakeholders envisaged for engagement in the scope of the project, and the target groups for the communication and dissemination activities.

To maximize the project results, TradeRES proposed a comprehensive strategy to disseminate and explore its achievements. In order to do that, TradeRES has identified relevant stakeholders who are required to be on board in order to ensure the success of the project:

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

All these stakeholders were engaged throughout the first year of the project and the dissemination activities comprises tailored made measures to tackle these different groups. Table 1 presents the main dissemination activities that involved contacts with target groups in the first year of the project. The contacts were performed by the partners responsible for these activities. Contacts with target groups are presented in Table 1. To make easier this representation, the following codes were allocated to each event:

- C - Communication Campaign (e.g. Radio, TV, journals, announcements);
- D – Deliverables;
- E – Exhibitions;
- PA – Participation in Activities Organized Jointly with other EU Project(s);
- PC – Participation in a Conference;
- PCP – Published Conference Paper;
- PRC – Press Release and Press Conference;
- PSJ – Published Scientific Journal;
- RWG - Representations in Working Groups;
- SCP – Submitted Conference Paper;
- SSJ – Submitted Scientific Journal;
- SSO – Special Sessions Organized in Relevant International Conferences;
- T – Training (e.g. summer schools, technical schools, webinars).

Table 1. Contact with target group.

Dissemination Activity					Target Groups Reached									
Event type	Description	Location	Event date	Main Responsible partner	Consumers	Large and small power plants	Network operators	Government	Local energy communities	P2P traders	Academia / researchers / students	Aggregators of VRE	VPP operators	Other market actors
SSO	ISGTEurope2020, Panel Session 'Flexibility options for ~100% renewable energy systems: demand response and sector coupling' with Imperial College and VTT. Conference also meant for industry	The Hague, Netherlands or Virtual	25-10-2020 to 28-10-2020	Smart-watt	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PSJ	IEEE Power and Energy Magazine Article 'Market design challenges for decarbonised electricity systems in Europe' organized by Imperial College in collaboration with LNEG, TU Delft, TNO and VTT		8-01-2021	TNO							✓			
PA	EMP-E 2020: Modelling Climate Neutrality for the European Green Deal <a href="http://www.energymodellingplatform.eu/emp-e-2020.html">http://www.energymodellingplatform.eu/emp-e-2020.html</a>	Virtual	6-10-2020 to 8-10-2020	DLR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
E	Enlit Europe (Formerly European Utility Week and POWERGEN Europe) <i>TradeRES will participate in @Enlit_Europe (Formerly European Utility Week and POWERGEN Europe) from 30Nov to 2Dec.</i> #TradRESproject #EU_2020	Milan, Italy	30-11-2020 to 02-12-2020	Smart-watt		✓	✓					✓	✓	



<b>PC</b>	XVII Congreso Ibérico y XIII Congreso Iberoamericano de Energía Solar	Lisbon, Portugal	3-11-2020 to 5-11-2020	LNEG	✓	✓				✓	✓	✓
<b>SCP</b>	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Ibero-americano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020, without peer review	Lisbon, Portugal	09-2020	LNEG	✓	✓				✓	✓	✓
<b>PCP</b>	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Ibero-americano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020, without peer review	Lisbon, Portugal	11-2020	LNEG	✓	✓				✓	✓	✓
<b>C</b>	<a href="https://plataformamedia.com/2021/01/28/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-ineg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/?_thumbnail_id=224474">https://plataformamedia.com/2021/01/28/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-ineg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/?_thumbnail_id=224474</a>	Plataforma media	28-01-2021	LNEG	✓	✓	✓		✓	✓		
<b>PA</b>	Participation and present project in Low TRL Smart Grids and Storage Projects Clustering. We will participate and present TradeRES in the @ineea_eu workshop H2020 Low TRL Smart Grids and Storage Projects Clustering, on 3rd December (12:20-13:20) #H2020#energy#smartgrid <a href="https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf">https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf</a>	Virtual	3-12-2020	LNEG	✓	✓	✓	✓	✓	✓	✓	✓
<b>PC</b>	ICREN, 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020	Virtual, France	25 to 27-11-2020	ISEP		✓	✓			✓	✓	✓
<b>SCP</b>	Ricardo Faia, Tiago Pinto, Fernando Lezama, Zita Vale, Juan Manuel Corchado, Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation, 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf">https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf</a>	Virtual, France	26 and 27-11-2020	ISEP		✓	✓			✓	✓	✓
<b>SCP</b>	Tiago Pinto, Nathalia Boeno, Zita Vale, Everthon Sica, "Multiagent Simulation of Demand Flexibility Integration in Local Energy Markets", 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOENO_cameraready.pdf">https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOENO_cameraready.pdf</a>	Virtual, France	27-11-2020	ISEP		✓	✓			✓	✓	✓

<b>PCP</b>	Ricardo Faia, Tiago Pinto, Fernando Lezama, Zita Vale, Juan Manuel Corchado, Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation, 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf">https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf</a>	Virtual, France	26-11-2020 to 27-11-2020	ISEP	✓	✓					✓	✓	✓
<b>PCP</b>	Tiago Pinto, Nathalia Boeno, Zita Vale, Everthon Sica, "Multiagent Simulation of Demand Flexibility Integration in Local Energy Markets", 3rd International Conference on Renewable Energy ( ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOENO_cameraready.pdf">https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOENO_cameraready.pdf</a>	Virtual, France	27-11-2020	ISEP	✓	✓					✓	✓	✓
<b>SCJ</b>	Algarvio, Hugo and Lopes, Fernando and Santana, João, "Strategic Operation of Hydroelectric Power Plants in Energy Markets: A Model and a Study on the Hydro-Wind Balance", Fluids 2020, 5 (4), 209; <a href="https://doi.org/10.3390/fluids5040209">https://doi.org/10.3390/fluids5040209</a>		17-06-2020	LNEG							✓		
<b>PSJ</b>	Algarvio, Hugo and Lopes, Fernando and Santana, João, "Strategic Operation of Hydroelectric Power Plants in Energy Markets: A Model and a Study on the Hydro-Wind Balance", Fluids 2020, 5 (4), 209; <a href="https://doi.org/10.3390/fluids5040209">https://doi.org/10.3390/fluids5040209</a>		16-11-2020	LNEG							✓		
<b>T</b>	The event organized by TNO and VTT was a presentation German, 'MIP-Based Electricity Markets: The impact of high-quality MIP formulations.'		10-09-2020	TNO	✓	✓	✓		✓	✓	✓	✓	✓
<b>T</b>	The webinar is about Lowering emissions by curtailing renewables in power systems. <a href="https://www.iaee.org/en/webinars/webinar_morales.aspx">https://www.iaee.org/en/webinars/webinar_morales.aspx</a>	Virtual	25-01-2021	TNO	✓	✓	✓		✓	✓	✓	✓	✓
<b>PRC</b>	LNEG website <a href="https://www.lneg.pt/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-lneg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/">https://www.lneg.pt/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-lneg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/</a>		28-01-2021	LNEG	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>RWG</b>	Portuguese National Plan for Energy and Climate (NPEC)			LNEG		✓	✓				✓	✓	✓

<b>RWG</b>	IEA wind - International Energy Agency - Wind Executive Committee			LNEG	✓	✓				✓	✓	✓	
<b>RWG</b>	EERA-ESI European Energy Research Agency – Energy Systems Integration			LNEG	✓	✓				✓	✓	✓	
<b>RWG</b>	IEEE Power and Energy Society Multi-Agent Systems Working Group			ISEP	✓	✓				✓	✓	✓	
<b>RWG</b>	IEEE Power and Energy Society Demand Response Working Group			ISEP	✓	✓				✓	✓	✓	
<b>RWG</b>	IEEE PES AMPS ISS Intelligent Data Mining and Analysis (IDMA) WG			ISEP	✓	✓				✓	✓	✓	
<b>SSO</b>	Panel Zita Vale at PESGM 2020 (Z. Vale, H. Mori; Sharing experiences and results on open data sets for intelligent applications; IEEE PES-GM 2020, Online, 3-6 August 2020)	Virtual	3-08-2020 to 6-08-2020	ISEP	✓	✓				✓	✓	✓	
<b>PC</b>	IEEE Power & Energy Society General Meeting	Virtual	3-08-2020 to 6-08-2020	ISEP	✓	✓				✓	✓	✓	
<b>PC</b>	24th European Conference on Artificial Intelligence	Virtual	August 29-September 2020	ISEP	✓	✓				✓	✓	✓	
<b>SCP</b>	Tiago Pinto, Aria Jozi, Brigida Teixeira, Filipe Sousa, Daniel Ramos, Luis Gomes, Pedro Faria, Zita Vale, Multiagent Energy Consumption Forecasting System for Energy Management in Buildings, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK	Virtual, UK	19-01-2021	ISEP	✓	✓				✓	✓	✓	
<b>SCP</b>	Gabriel Santos, Rui Carvalho, Tiago Pinto, Zita Vale, Carlos Ramos, Juan M. Corchado, Demonstration of Building's Reasoning for Intelligent Control Knowledge-based System, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK (Virtual)	Virtual, UK	19-01-2021	ISEP	✓	✓				✓	✓	✓	

### 3 Public Deliverables

Public deliverables are open-access documents, and they could be accessed for everyone at TradeRES website [2].

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

Table 2. List of Public Deliverables<sup>1</sup>.

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	NA
D2.3	D2.3 – How to use TradeRES optimization models database	WP2	VTT	Report	32	NA
D3.1	D3.1 – Performance specifications for a ~ 100% RES system	WP3	TU Delft	Report	13	NA
D3.2	D3.2 – Characterization of new flexible players	WP3	Imperial	Report	17	NA
D3.3	D3.3 – Design of ancillary service markets and products	WP3	TNO	Report	17	NA
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	X
D4.1	D4.1.1 – Temporal flexibility options in electricity market simulation models	WP4	DLR	Report	19	NA
D4.2	D4.1.2 – Sectoral flexibility options in electricity market simulation models	WP4	VTT	Report	21	NA
D4.3	D4.1.3 – Spatial flexibility options in electricity market simulation models	WP4	ISEP	Report	21	NA
D4.4	D4.2.1 – New actor types in electricity market simulation models	WP4	Imperial	Report	19	NA
D4.5	D4.2.2 – New market designs in electricity market simulation	WP4	TU Delft	Report	19	NA

<sup>1</sup> The deliverables D2.1, D3.4, D4.7 and D7.3 were submitted in the foreseen deadline, but made public after the period here reported.

	models					
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	NA
D4.9	D4.4 – New forecast tools to enhance the value of VRE on the electricity markets	WP4	LNEG	Report	21	NA
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	NA
D5.3	D5.3 – Performance assessment of current and new market designs and trading mechanisms for National and Regional Markets	WP5	LNEG	Report	34	NA
D5.5	D5.5 – Comparative analysis of market designs	WP5	ISEP	Report	45	NA
D6.2	D6.2.1 – User guide for TradeRES models and tools	WP6	ISEP	Report	25	NA
D6.3	D6.2.2 – Tutorial and webinar edited material	WP6	ISEP	Report	27	NA
D6.5	D6.4 – Recommendations for market trading in a ~100% power system	WP6	BY	Report	46	NA
D7.1	D7.1 – Project website	WP7	SMARTWATT	Websites, patents filing, etc.	3	✓
D7.3	D7.3 – TradeRES Data Management Plan DMP Report	WP7	ISEP	ORDP: Open Research Data Pilot	6	✓
D7.4a	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	13	NA
D7.4b	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	25	NA
D7.4c	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	37	NA
D7.4d	D7.4 – Dissemination Activity Report	WP7	LNEG	Report	49	NA

## 4 Key Performance Indicators (KPI)

This Chapter presents the main indicators to evaluate the overall performance of the project. The KPI were previously presented in the deliverable D7.2, Initial Dissemination and Exploitation Plan. Tables 3 and 4 present the overall information about KPI. The column “1<sup>st</sup> year achieved” shows the actual accomplishment in the 1<sup>st</sup> year of the project. Three status are possible: accomplished (“√”); not accomplished (“x”); or not available/not applicable (“N/A”).

Table 3. Fulfilment indicators.

<b>KPI</b>	<b>Partner</b>	<b>1<sup>st</sup> Year Target</b>	<b>1<sup>st</sup> Year Achieved</b>	<b>Status</b>
Dissemination plan	ISEP	1	1	√
Dissemination activity report	LNEG	1	1	√
Project logotype	ISEP	1	1	√
Project website	SMARTWATT	1	1	√
Project Wordpress blog	ISEP	1	1	√
LinkedIn project page	ISEP	1	1	√
Twitter project page	ISEP	1	1	√
Facebook project page	ISEP	1	1	√
ResearchGate page	ISEP	1	1	√
Market Design Web Decision Tool	All	-	-	NA
TradeRES Market Tool	Project Partners	-	-	NA

From the Table 3 one can see that all targets for the first year were successfully achieved. In Table 4 the following codes were used for stakeholders addressed:

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

Table 4. Dissemination KPIs.

<b>KPI</b>	<b>Stakeholder addressed</b>	<b>1<sup>st</sup> Year Target</b>	<b>1<sup>st</sup> Year Achieved</b>	<b>Status</b>
Press release and press conference	All	1	1	✓
Flyer	All	1	1	✓
Communication Campaign (e.g. Radio, TV, journals, announcements)	C, P, N, L, T	1	1	✓
Newsletter	All	2	2	✓
Video/Film	All except G	-	-	NA
No. of posts on Blog (N & E)	C, T, R	5	6	✓
No. of views on Blog (N & E)	C, T, R	25	0	X
No. of posts on LinkedIn	P, G, A, V	4	9	✓
No. of views on LinkedIn	P, G, A, V	75	612	✓
No. of posts on Twitter	All, except R	3	9	✓
No. of views on Twitter	All, except R	75	459	✓
No. of posts on Facebook	C, L, T, O	3	5	✓
No. of views on Facebook	C, L, T, O	75	83	✓
No. of reads ResearchGate	R	25	45	✓
No. of unique visitors to the public website	All	250	2569	✓
Exhibition	P, N, A, V	1	1	✓
Training (e.g. summer schools, technical schools, webinars)	All except G	-	2	NA
No. Training Participants (e.g. summer and technical schools, webinars)	All except G	-	21	NA
Special Sessions organized in relevant international conferences	P, N, R, A, V	-	2	NA

No. participants in the organized special sessions	P, N, R, A, V	-	101	NA
Organization of Workshop	P, N, R, A, V	-	1	NA
No. participants in the organized Workshop	P, N, R, A, V	-	75	NA
Participation to a Workshop	P, N, R, A, V	1	1	✓
No. participants in the Workshop	P, N, R, A, V	70	75	✓
Participation to a Conference	P, N, R, A, V	3	4	✓
No. participants reached in the Conference	P, N, R, A, V	600	810	✓
Participation to an Event other than a Conference or a Workshop (e.g., specific thematic events)	All	-	0	NA
No. participants reached in the Event other than a Conference or a Workshop	All	-	0	NA
Published scientific journals	R	-	2	NA
Submitted scientific journals	R	1	1	✓
Published industrial journals	P, N, A, V, O	-	0	NA
Submitted industrial journals	P, N, A, V, O	-	0	NA
Published conference papers	P, N, R, A, V	2	3	✓
Submitted conference papers	P, N, R, A, V	5	5	✓
Book contributions written	P, N, R, A, V	-	0	NA
Representations in working groups	P, N, R, A, V	5	6	✓
Participation in activities organized jointly with other EU project(s)	All	-	2	NA



## 5 Detailed KPI lists

The content of the following tables is sorted from the oldest to recent.

Table 5: Press release and press conference

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	LNEG	LNEG website: <a href="https://www.lneg.pt/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-lneg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/">https://www.lneg.pt/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-lneg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/</a>	300	28-01-2021

Table 6: Flyer

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP & LNEG	Flyer #1	2000	30-07-2020

Table 7: Communication Campaign (e.g. Radio, TV, journals, announcements)

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	LNEG	<a href="https://plataformamedia.com/2021/01/28/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-lneg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/?_thumbnail_id=224474">https://plataformamedia.com/2021/01/28/rumo-a-um-futuro-energetico-tendencialmente-100-renovavel-lneg-coordena-projeto-europeu-na-area-dos-mercados-de-energia/?_thumbnail_id=224474</a>	202	28-01-2021

Table 8: Newsletter

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP & LNEG	Newsletter #1	2000	30-07-2020
2	ISEP & LNEG	Newsletter #2	2000	31-01-2021

Table 9: Video/Film

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
-	-	-	-	-

Table 10: Blog (N &amp; E) [3]

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP	Participation and present project in Low TRL Smart Grids and Storage Projects Clustering	-	02-12-2020
2	ISEP	Algarvio, Hugo and Lopes, Fernando and Santana, João, "Strategic Operation of Hydroelectric Power Plants in Energy Markets: A Model and a Study on the Hydro-Wind Balance", <i>Fluids</i> 2020, 5 (4), 209; <a href="https://doi.org/10.3390/fluids5040209">https://doi.org/10.3390/fluids5040209</a>	-	06-01-2021
3	ISEP	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Ibero-americano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020	-	27-01-2021
4	ISEP	The webinar is about Lowering emissions by curtailing renewables in power systems. <a href="https://www.iaee.org/en/webinars/webinar_morales.aspx">https://www.iaee.org/en/webinars/webinar_morales.aspx</a>	-	29-01-2021

Table 11: LinkedIn [4]

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	Smartwatt	ISGTEurope2020, Panel Session 'Flexibility options for ~100% renewable energy systems: demand response and sector coupling' with Imperial College and VTT. Conference also meant for industry	82	22-09-2020
2	TNO	IEEE Power and Energy Magazine Article 'Market design challenges for decarbonised electricity systems in Europe' organized by Imperial College in collaboration with LNEG, TU Delft, TNO and VTT	129	20-10-2020
3	Smartwatt	Enlit Europe (Formerly European Utility Week and POWERGENEurope), TradeRES will participate in @Enlit_Europe (Formerly European Utility Week and POWERGEN Europe) from 30Nov to2Dec. #TradRESproject #EU_2020	42	02-12-2020
4	ISEP	Only to remind you that our first public deliverable is available, D7.1.	91	22-07-2020
5	LNEG	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Ibero-americano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020 without peer review	54	27-01-2021
6	LNEG	Participation and present project in Low TRL Smart Grids and Storage Projects Clustering We will participate and present TradeRES in the @inea_eu workshop H2020 Low TRL Smart Grids and Storage Projects Clustering, on 3rd December (12:20-13:20) #H2020#energy#smartgrid <a href="https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf">https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf</a>	123	02-12-2020
7	ISEP	Ricardo Faia, Tiago Pinto, Fernando Lezama, Zita Vale, Juan Manuel Corchado, Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation, 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020, <a href="https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf">https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf</a>	57	05-01-2021
8	TNO	The webinar is about Lowering emissions by curtailing renewables in power systems. <a href="https://www.iaee.org/en/webinars/webinar_morales.aspx">https://www.iaee.org/en/webinars/webinar_morales.aspx</a>	34	29-01-2021

Table 12: Twitter [5]

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	Smartwatt	ISGTEurope2020, Panel Session 'Flexibility options for ~100% renewable energy systems: demand response and sector coupling' with Imperial College and VTT. Conference also meant for industry	115	22-09-2020
2	TNO	IEEE Power and Energy Magazine Article 'Market design challenges for decarbonised electricity systems in Europe' organized by Imperial College in collaboration with LNEG, TU Delft, TNO and VTT	63	20-10-2020
3	Smartwatt	Enlit Europe (Formerly European Utility Week and POWERGEN Europe). <i>TradeRES will participate in @Enlit_Europe (Formerly European Utility Week and POWERGEN Europe) from 30 Nov to 2 Dec. TradRESproject #EU_2020</i>	50	02-12-2020
4	ISEP	Only to remind you that our first public deliverable is available, D7.1.	106	22-07-2020
5	LNEG	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Ibero-americano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020	22	27-01-2021
6	LNEG	Participation and present project in Low TRL Smart Grids and Storage Projects Clustering <i>We will participate and present TradeRES in the @inea_eu workshop H2020 Low TRL Smart Grids and Storage Projects Clustering, on 3rd December (12:20-13:20) #H2020#energy#smartgrid</i> <a href="https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf">https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf</a>	62	02-12-2020
7	ISEP	Ricardo Faia, Tiago Pinto, Fernando Lezama, Zita Vale, Juan Manuel Corchado, Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation, 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020, <a href="https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf">https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf</a>	22	05-01-2021
8	TNO	The webinar is about Lowering emissions by curtailing renewables in power systems. <a href="https://www.iaee.org/en/webinars/webinar_morales.aspx">https://www.iaee.org/en/webinars/webinar_morales.aspx</a>	19	29-01-2021

Table 13: Facebook [6]

#	Partner	Title	People Reached	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>				
1	Smartwatt	ISGTEurope2020, Panel Session 'Flexibility options for ~100% renewable energy systems: demand response and sector coupling' with Imperial College and VTT. Conference also meant for industry	27	22-09-2020
2	ISEP	Only to remind you that our first public deliverable is available, D7.1.	30	22-07-2020
3	LNEG	Participation and present project in Low TRL Smart Grids and Storage Projects Clustering <i>We will participate and present TradeRES in the @inea_eu workshop H2020 Low TRL Smart Grids and Storage Projects Clustering, on 3rd December (12:20-13:20) #H2020 #energy #smartgrid</i> <a href="https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf">https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf</a>	21	02-12-2020
4	TNO	The webinar is about Lowering emissions by curtailing renewables in power systems. <a href="https://www.iaee.org/en/webinars/webinar_morales.aspx">https://www.iaee.org/en/webinars/webinar_morales.aspx</a>	5	29-01-2021

Table 14: ResearchGate [7]

#	Partner	Title	People Reached	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>				
1	LNEG	<a href="https://www.researchgate.net/project/TradeRES-New-Markets-Design-Models-for-100-Renewable-Power-Systems">https://www.researchgate.net/project/TradeRES-New-Markets-Design-Models-for-100-Renewable-Power-Systems</a>	45	01-02-2021

Table 15: Unique visitors to the public website [2]

#	Partner	Title	People Reached	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP	<a href="https://traderes.eu">https://traderes.eu</a>	2569	01-02-2021

Table 16: Exhibition

#	Partner	Title	People Reached	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP	Enlit Europe (Formerly European Utility Week and POWERGEN Europe)	1200	30-11-2020 to 02-12-2020

Table 17: Training (e.g. summer schools, technical schools, webinars)

#	Partner	Title	People Reached	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>				
1	TNO, VTT	The event organized by TNO and VTT was a presentation German, 'MIP-Based Electricity Markets: The impact of high-quality MIP formulations.'	21	10-09-2020
2	TNO	The webinar is about Lowering emissions by curtailing renewables in power systems. <a href="https://www.iaee.org/en/webinars/webinar_morales.aspx">https://www.iaee.org/en/webinars/webinar_morales.aspx</a>	~100	25-01-2021

Table 18: Special Sessions organized in relevant international conferences

#	Partner	Title	People Reached	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>				
1	TNO, VTT, IMPERIAL, Smartwatt	ISGT Europe 2020, Panel Session 'Flexibility options for ~100% renewable energy systems: demand response and sector coupling' with Imperial College and VTT.	21	25-10-2020 to 28-10-2020
2	ISEP	Panel Zita Vale at PESGM 2020 (Z. Vale, H. Mori; Sharing experiences and results on open data sets for intelligent applications; IEEE PES-GM 2020, Online, 3-6 August 2020)	50	03-08-2020 to 06-08-2020

Table 19: Organisation of Workshop

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP	Workshop AIPES – The Workshop on Artificial Intelligence in Power and Energy Systems, Santiago de Compostela – Online participation -	75	04-09-2020

Table 20: Participation to a Workshop

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	ISEP	Workshop AIPES – The Workshop on Artificial Intelligence in Power and Energy Systems, Santiago de Compostela – Online participation -	75	04-09-2020

Table 21: Participation to a Conference

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	LNEG	XVII Congreso Ibérico y XIII Congreso Iberoamericano de Energía Solar	200	03-11-2020 to 05-11-2020
2	ISEP	ICREN, 3rd International Conference on Renewable Energy ( ICREN 2020), Montrouge, France, 25-27 of November, 2020	200	25-11-2020 to 27-11-2020
3	ISEP	IEEE Power & Energy Society General Meeting	230	03-08-2020 to 06-08-2020
4	ISEP	24th European Conference on Artificial Intelligence,	180	29-08-2020 to 8-11-2020

Table 22: Participation to an Event other than a Confer./Workshop (e.g., specific thematic events)

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				

Table 23: Published scientific journals

#	Partner	Title	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>			
1	TNO, IMPERIAL, LNEG, TU Delft, VTT	Strbac, Goran et al. "Market design challenges for decarbonised electricity systems in Europe", IEEE Power and Energy Magazine Article, vol. 19, no. 1, January 2021, pp. 53 - 63DOI:10.1109/MPE.2020.3033397 <a href="https://ieeexplore.ieee.org/document/931857">https://ieeexplore.ieee.org/document/931857</a>	08-01-2021
2	LNEG	Algarvio, Hugo and Lopes, Fernando and Santana, João, "Strategic Operation of Hydroelectric Power Plants in Energy Markets: A Model and a Study on the Hydro-Wind Balance", Fluids 2020, 5 (4), 209; <a href="https://doi.org/10.3390/fluids5040209">https://doi.org/10.3390/fluids5040209</a>	16-11-2020

Table 24: Submitted scientific journals

#	Partner	Title	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>			
1	TNO, IMPERIAL, LNEG, TU Delft, VTT	Strbac, Goran et al. "Market design challenges for decarbonised electricity systems in Europe", IEEE Power and Energy Magazine Article, vol. 19, no. 1, January 2021, pp. 53 - 63DOI:10.1109/MPE.2020.3033397 <a href="https://ieeexplore.ieee.org/document/931857">https://ieeexplore.ieee.org/document/931857</a>	8-01-2021
2	LNEG	Algarvio, Hugo and Lopes, Fernando and Santana, João, "Strategic Operation of Hydroelectric Power Plants in Energy Markets: A Model and a Study on the Hydro-Wind Balance", Fluids 2020, 5 (4), 209; <a href="https://doi.org/10.3390/fluids5040209">https://doi.org/10.3390/fluids5040209</a>	17-06-2020

Table 25: Published industrial journals

#	Partner	Title	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>			
-	-	-	-

Table 26: Submitted industrial journals

#	Partner	Title	Date
<b>1<sup>o</sup> Year: 2020-02-01 to 2021-01-31</b>			
-	-	-	-



Table 27: Published conference papers

#	Partner	Title	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>			
1	LNEG	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Iberoamericano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020. DOI: <a href="https://doi.org/10.34637/cies2020.1.1006">https://doi.org/10.34637/cies2020.1.1006</a>	5-11-2020
2	ISEP	Ricardo Faia, Tiago Pinto, Fernando Lezama, Zita Vale, Juan Manuel Corchado, Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation, 3rd International Conference on Renewable Energy (ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf">https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf</a>	27-11-2020
3	ISEP	Tiago Pinto, Nathalia Boeno, Zita Vale, Everthon Sica, "Multiagent Simulation of Demand Flexibility Integration in Local Energy Markets", 3rd International Conference on Renewable Energy ( ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOE_NO_cameraready.pdf">https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOE_NO_cameraready.pdf</a>	27-11-2020

Table 28: Submitted conference papers

#	Partner	Title	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>			
1	LNEG	Couto A., Algarvio H., Lopes F., Estanqueiro A., "Impacto da integração em larga escala de capacidade solar fotovoltaica nos preços do mibel: análise da remuneração das centrais fotovoltaicas em ambiente de mercado, CIES2020 - XVII Congresso Ibérico e XIII Congresso Iberoamericano de Energia Solar, Lisboa, Portugal, 3-5 November, 2020	09-2020
2	ISEP	Ricardo Faia, Tiago Pinto, Fernando Lezama, Zita Vale, Juan Manuel Corchado, Optimisation for Coalitions Formation Considering the Fairness in Flexibility Market Participation, 3rd International Conference on Renewable Energy ( ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf">https://icren2020.exordo.com/files/papers/56/final_draft/ICREN_2020_Rfaia_cameraready.pdf</a>	18-09-2020
3	ISEP	Tiago Pinto, Nathalia Boeno, Zita Vale, Everthon Sica, "Multiagent Simulation of Demand Flexibility Integration in Local Energy Markets", 3rd International Conference on Renewable Energy ( ICREN 2020), Montrouge, France, 25-27 of November, 2020 <a href="https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOE_NO_cameraready.pdf">https://icren2020.exordo.com/files/papers/57/final_draft/ICREN2020_BOE_NO_cameraready.pdf</a>	18-09-2020
4	ISEP	Tiago Pinto, Aria Jozi, Brigida Teixeira, Filipe Sousa, Daniel Ramos, Luis Gomes, Pedro Faria, Zita Vale, Multiagent Energy Consumption Forecasting System for Energy Management in Buildings, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK	19-01-2021
5	ISEP	Gabriel Santos, Rui Carvalho, Tiago Pinto, Zita Vale, Carlos Ramos, Juan M. Corchado, Demonstration of Building's Reasoning for Intelligent Control Knowledge-based System, 20th International Conference on Autonomous Agents and Multiagent Systems, 3-7 May 2021, London-UK (Virtual)	19-01-2021

Table 29: Book contributions written

#	Partner	Title	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>			

Table 30: Representations in working groups

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	LNEG	Portuguese National Plan for Energy and Climate (NPEC)	NA	NA
2	LNEG	IEA Wind - International Energy Agency - Wind Ex. Com.	NA	NA
3	LNEG	EERA-ESI European Energy Research Agency – Energy Systems Integration	NA	NA
4	ISEP	IEEE Power and Energy Society Multi-Agent Systems Working Group	100	06-08-2020
5	ISEP	IEEE Power and Energy Society Demand Response Working Group	80	06-08-2020
6	ISEP	IEEE PES AMPS ISS Intelligent Data Mining and Analysis (IDMA) WG	150	06-08-2020

Table 31: Participation in activities organized jointly with other EU project(s)

#	Partner	Title	People Reached	Date
<b>1º Year: 2020-02-01 to 2021-01-31</b>				
1	DLR, ISEP	EMP-E 2020: Modelling Climate Neutrality for the European Green Deal <a href="http://www.energymodellingplatform.eu/emp-e-2020.html">http://www.energymodellingplatform.eu/emp-e-2020.html</a>	536	06-10-2020 to 08-10-2020
2	LNEG	Participation and present project in Low TRL Smart Grids and Storage Projects Clustering <i>We will participate and present TradeRES in the @inea_eu workshop H2020 Low TRL Smart Grids and Storage Projects Clustering, on 3rd December (12:20-13:20) #H2020 #energy #smartgrid</i> <a href="https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf">https://www.chester-project.eu/wp-content/uploads/2020/11/20201203-Draft-agenda_Final.pdf</a>	50	03-12-2020

## 6 Conclusion

The main goal of this deliverable is to present all activities used to promote TradeRES project during the first year of the project following the Initial Dissemination and Exploitation Plan (D7.2).

For the period of activities that corresponds to the first year of the project, 2020-02-01 to 2021-01-31, all the KPIs have been reached, while some have even exceeded the target. The main difficulties identified are related to the participation in international events, because, although most events are being held online, several have been postponed or even cancelled due to the COVID-19 crisis. However, the consortium has been able to adapt to the situation and accomplished the defined KPIs. Another difficult situation is related to guarantee the number of visitors or views in some of the social media pages; although it was possible to fulfill the KPIs related to this issue as well, the consortium envisages a continuous difficulty during the remaining duration of the project, which will be addressed and mitigated by enlarging the number of people from the identified target groups that will be contacted and invite them to visit and interact with the project social media pages.

The goal for the next period (2021-02-01 to 2022-01-31) is to continue working towards the dissemination targets, as well as to invest further in traditional media, press releases, industrial journals and books, organized special sessions, participation in working groups and newsletters. With this achievement it is possible to reach a larger audience and make TradeRES an even more recognizable project.

## References

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- [6] Facebook: <https://www.facebook.com/TradeRESproject>
- [7] ResearchGate: <https://www.researchgate.net/project/TradeRES-New-Markets-Design-Models-for-100-Renewable-Power-Systems>