



Interoperable solutions for implementing holistic **FLEXi**bility
services in the distribution **GRID**

Final report on dissemination and communication activities

Deliverable 9.13

WP9

Grant agreement: 864579

From 1st October 2019 to 30th September 2023

Prepared by: CIRCE

Date: 06/10/2023



This project has received funding from the European Union's Horizon 2020 research and innovation programme under service agreement No 864579

Disclaimer: The sole responsibility for any error or omissions lies with the editor. The content does not necessarily reflect the opinion of the European Commission. The European Commission is also not responsible for any use that may be made of the information contained herein

DELIVERABLE FACTSHEET

Deliverable no.	D9.13
Responsible Partner	CIRCE
WP no. and title	WP 9 Communication and dissemination activities
Version	V2
Version Date	06/10/2023

Dissemination level	
X	PU → Public
	PP → Restricted to other programme participants (including the EC)
	RE → Restricted to a group specified by the consortium (including the EC)
	CO → Confidential, only for members of the consortium (including the EC)

Approvals

	Company
Author/s	CIRCE
Task Leader	CIRCE
WP Leader	CIRCE

Documents History

Revision	Date	Main Modification	Author
1	06/09/2023	Draft version	CIRCE
2	06/10/2023	Final version	CIRCE

ABBREVIATONS

PC: Project Coordinator

CA: Consortium Agreement

CC: Communication Committee

DoA: Description of Action

EC: European Commission

GA: General Assembly

IPR: Intellectual Property Right

KPI: Key Performance Indicator

M: Month

PH: Project Handbook

R&D: Research and Development

SC: Steering Committee

TP: Technical Partner

WP: Work Package

SME: Small and Medium Enterprise

DMP: Data Management Plan

H2020: Horizon 2020

DISCLAIMER OF WARRANTIES

"This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 864579".

This document has been prepared by FLEXIGRID project partners as an account of work carried out within the framework of the EC-GA contract no 864579.

Neither Project Coordinator, nor any signatory party of FLEXIGRID Project Consortium Agreement, nor any person acting on behalf of any of them:

- (a) makes any warranty or representation whatsoever, express or implied,
 - (i). with respect to the use of any information, apparatus, method, process, or similar item disclosed in this document, including merchantability and fitness for a particular purpose, or
 - (ii). that such use does not infringe on or interfere with privately owned rights, including any party's intellectual property, or
 - (iii). that this document is suitable to any particular user's circumstance; or
- (b) assumes responsibility for any damages or other liability whatsoever (including any consequential damages, even if Project Coordinator or any representative of a signatory party of the FLEXIGRID Project Consortium Agreement, has been advised of the possibility of such damages) resulting from your selection or use of this document or any information, apparatus, method, process, or similar item disclosed in this document.

EXECUTIVE SUMMARY

This deliverable represents the official report of the communication and dissemination activities that have been carried out throughout the project, from month 1 to month 48, report that is part of **WP9 Communication and dissemination activities** and *Task 9.2 Dissemination and public communication actions*

This deliverable is the last report on the actions taken by the consortium to promote the dissemination and communication of the results developed in FLEXIGRID. It comprehends the actions taken and the scope received from said actions from the beginning to the end of the project, using as a guide the guidelines described in the deliverable *D9.3 Dissemination and communication plan- M36*.

The aim of the **D9.13 Final report on Dissemination and Communication activities** is to run the visibility and communication infrastructure of the project so that all activities carried out during the project lifetime are widely known in Europe.

Here all the communication actions carried out can be found as well as all the materials made available to the partners for an adequate dissemination of the project progress.

The dissemination activities have been designed to target the key audiences and stakeholders and to maximize awareness of FLEXIGRID objectives and project activities.

The communication and dissemination activities gives an overview of all dissemination opportunities identified and actions taken through traditional communication channels such as event attendance (conferences, seminars, workshops, etc.), project publications (brochures, press releases, articles in professional journals, etc.) and project presentations (to various stakeholders and the general public).

CIRCE has coordinated and managed FLEXIGRID dissemination and communication activities. Nevertheless, all the project partners were responsible to disseminate FLEXIGRID results through their communication channels and towards their existing communities.

TABLE OF CONTENTS

1.	INTRODUCTION	8
2.	DISSEMINATION AND COMMUNICATION OFFICIAL CHANNELS	9
2.1.	FLEXIGRID website	9
2.1.1.	Content.....	9
2.1.2.	Analytics	9
2.2.	Hashtags	12
2.3.	Templates	12
2.4.	Communication follow up File.....	13
3.	DISSEMINATION AND COMMUNICATION ACTIONS	14
3.1.	Website.....	14
3.2.	Social Media.....	17
3.3.	Press dissemination activities.....	28
3.4.	Scientific Publications	32
3.5.	Events	35
3.6.	Synergies with BRIDGE	42
4.	DISSEMINATION AND COMMUNICATION MATERIALS	43
4.1.	Roll-Up	43
4.2.	Flipbook	43
4.1.	Leaflet	44
4.2.	Video.....	44
5.	NEXT STEPS.....	47
6.	CONCLUSIONS	48
7.	ANNEX. Images of the dissemination and communication activities	49
7.1.	Website.....	49
7.2.	Presentation of objectives and impacts	50
7.3.	Social Media.....	52
7.4.	Press.....	53
7.5.	Scientific publications	58
7.6.	Events	59

TABLE OF FIGURES

Figure 1 Analytics of visits and visitors obtained on FLEXIGRID website from the start of the Project to June 2023.....	10
Ilustración 2 Analytics of visits and visitors obtained on FLEXIGRID website up since June to September 2023 with GA4	10
Figure 3 Heat map of the site visitors' location on FLEXIGRID website	11
Figure 4 List of countries with the highest number of visits to the FLEXIGRID website until June 2023.....	11
Figure 5 List of countries with the highest number of visits to the FLEXIGRID website from June to September 202.....	12
Figure 6 Communication follow up file	13
Figure 7 Main page of FLEXIGRID's website.....	14
Figure 8. FLEXIGRID information on BRIDGE's website June 2021	42
Figure 9. Roll Ups of the project.....	43
Figure 10. FLEXIGRID flipbook.....	44
Figure 11. Leaflets	44
Figure 12. First project video.....	45
Figure 13. Final video	46
Figure 14. Public dissemination materials	49
Figure 15. FLEXIGRID project information on CIRCE's website	50
Figure 16. FLEXIGRID's objectives and impacts presentation	51
Figure 17. Posts on LinkedIn with FLEXIGRID's official hashtags	52
Figure 18. Posts on Twitter with FLEXIGRID's official hashtags	52
Figure 19. FLEXIGRID posts on Facebook	53
Figure 20. Digital press release	53
Figure 21. Communication of FLEXIGRID on the European Energy Innovation website	54
Figure 22. Press release for CEDEC, the European Federation of Local Energy Companies.....	55
Figure 23. Own press release for ATOS website	56
Figure 24. Press release presenting the Italian Pilot.....	57
Figure 25. Scientific publications of results developed in FLEXIGRID	59
Figure 26. Special session for the IEEE Power & Energy Society where FLEXIGRID project was presented	59
Figure 27. Information about Interregional PROSPECT2030 project workshop where FLEXIGRID was presented	60
Figure 28. Enlit Europe 2023 event on photos, press release and social media content	60
Figure 29. Final technical workshop of the project gENESIS in 2022	61
Figure 30. Final Event.....	61

1. INTRODUCTION

As stated before, communication resources are supportive tools for strengthening the actions planned for the dissemination of impacts and results achieved in FLEXIGRID project, or any H2020 project. Therefore, these tools were developed and defined right at the beginning of the project through a detailed and comprehensive communication strategy which had been developed with the participation of all partners throughout the course of the project.

The purpose of this deliverable is to present the actions for the communication and dissemination of the FLEXIGRID project that took place during the project, including specific events, social media and press publications.

The actions are either managed by the consortium (e.g. social media accounts, website, newsletter) or hosted by external actors (e.g. conferences, EU events, web articles). In both cases, partners of the FLEXIGRID consortium were actively involved. The deliverable is an update of the Mid-term Dissemination and Communication Report (i.e. D9.12). Like the previous one, it is related to the Dissemination and Communication Plan, which establishes and manages the visibility and communication infrastructure of the project to ensure that all activities carried out during the project's lifetime achieve maximum impact. The Mid-term Dissemination and Communication Report was based on the Dissemination and Communication Plan from Month 18, whereas this one is based on the plan from Month 36.

The deliverable is an integral part of task 9.2 of the WP9.

The communication strategy will comply with art. 29 of the Grant Agreement (GA) and will ensure the dissemination of the project results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium). The dissemination of results will ensure protection of the beneficiaries' foreground and legitimate interests as stated in the GA.

2. DISSEMINATION AND COMMUNICATION OFFICIAL CHANNELS

FLEXIGRID project has established four ways to keep the dissemination and communication activities present and active during the life of the project.

- Official website: www-flexigrid-h2020.eu
- Hashtags
- Templates
- Communication follow up file

2.1. FLEXIGRID website

2.1.1. Content

The website of FLEXIGRID was launched in November 2019, is operated by CIRCE and will stay online for the project's duration and two more years after its completion.

The FLEXIGRID website includes the following content:

- Project Homepage – general overview of the whole website where is visible the DEMOS available, recent news and project partners.
- The Project – general information of the project (About), objectives, the solutions that were developed in it and related projects of FLEXIGRID with a brief description of each one and the link to its website, for example: FLEXICIENCY, SMARTNET, MIGRATE, IElectrix, and others.
- Partners – list of project partners including their logos, website address and a brief description.
- Demos – here we can find a total of 8 use cases for the demos that were implemented in the project, and also the description, location, main challenges, innovations and solutions of the 4 demo sites: Spain, Greece, Croatia and Italy.
- Publications and materials – a repository of reports/deliverables is available to the general public and dissemination material, like a picture with an overview of the project, mid-term and final videos or a poster of a solution.
- NEWS –relevant news of events and other activities that were held.

2.1.2. Analytics

Regarding the project website, Google Analytics was implemented to provide an overview of sessions and users. This year, CIRCE, Communication and Dissemination leader, had to migrate from the traditional Google Analytics tool used to an advanced version, called 'Google Analytics 4.' As a result, the data is displayed separately from the beginning of the project until June 2023 and from this point forward.

Below, the statistics up to September 2023 can be seen as well as a heating map showing the countries from where the official FLEXIGRID website has been receiving visits and clicks since its creation.

Since the beginning of the project, the website has received 4,427 visitors from around the world and a total of 6,048 sessions. If we break it down by periods, we can see that up until July 2021, the site received 2,608 unique visitors from countries all over the world, 1,798 of which, were

new users. March 2021 recorded the highest number of visits with 228 new users, coinciding with the Stakeholder + European Commission Event social media campaign.

We can observe how in the years of the pandemic and post-pandemic, the project's impact plateaued, but from mid-2022 to 2023, it has made a recovery. The return to physical events, coupled with significant project progress, has led to many periods of heightened activity during these years, resulting in increased project exposure and impact.

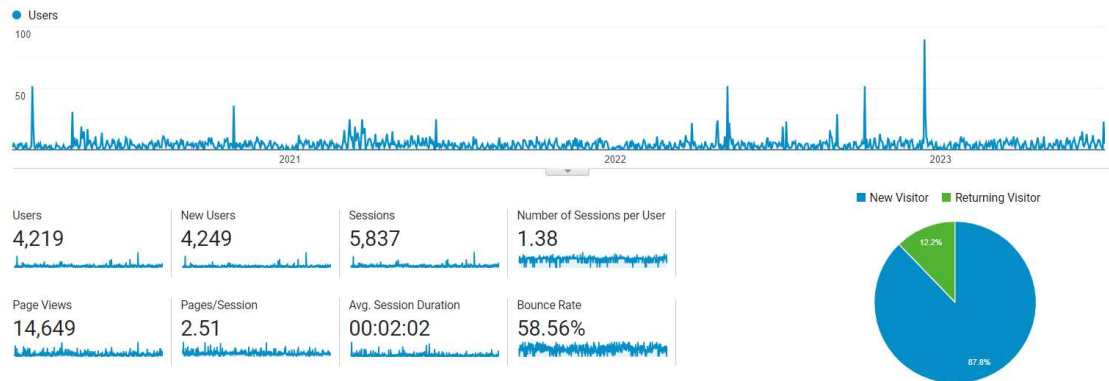


Figure 1 Analytics of visits and visitors obtained on FLEXIGRID website from the start of the Project to June 2023

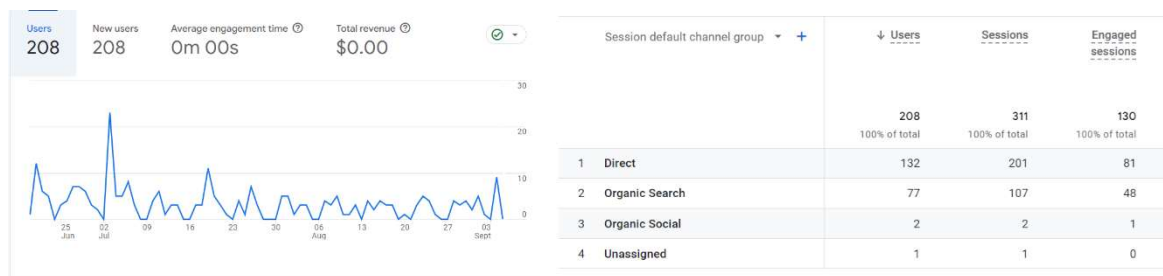


Ilustración 2 Analytics of visits and visitors obtained on FLEXIGRID website up since June to September 2023 with GA4

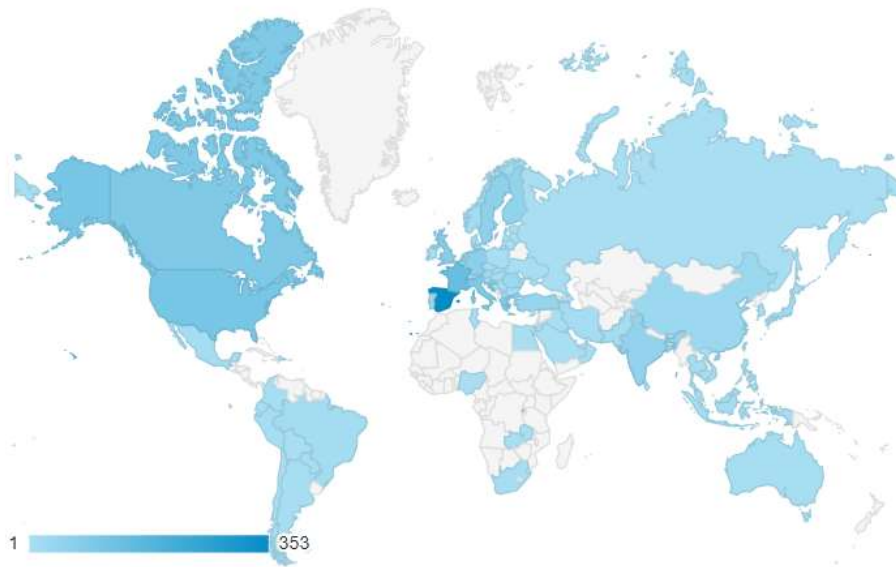


Figure 3 Heat map of the site visitors' location on FLEXIGRID website

Country	Users	Users
	1,793 % of Total: 100.00% (1,793)	1,793 % of Total: 100.00% (1,793)
1. Spain	353	19.64%
2. France	140	7.79%
3. United States	105	5.84%
4. Croatia	91	5.06%
5. Canada	90	5.01%
6. Italy	87	4.84%
7. Greece	81	4.51%
8. United Kingdom	70	3.90%
9. Germany	64	3.56%
10. Netherlands	56	3.12%
11. Sweden	56	3.12%
12. Belgium	52	2.89%
13. India	51	2.84%
14. Finland	50	2.78%
15. Türkiye	41	2.28%
16. Portugal	33	1.84%
17. China	31	1.73%
18. Romania	28	1.56%
19. Austria	25	1.39%
20. Brazil	14	0.78%
21. Japan	13	0.72%
22. Luxembourg	12	0.67%

Figure 4 List of countries with the highest number of visits to the FLEXIGRID website until June 2023

Country	↓ Users	New users	Engaged sessions	Engagement rate	Engaged sessions per user
	208 100% of total	208 100% of total	130 100% of total	41.8% Avg 0%	0.63 Avg 0%
1 United States	58	58	4	6.9%	0.07
2 Spain	55	55	53	58.24%	0.96
3 Germany	9	9	2	20%	0.22
4 Netherlands	9	9	4	40%	0.44
5 Italy	7	7	2	25%	0.29
6 Croatia	6	6	2	33.33%	0.33
7 France	6	6	28	59.57%	4.67
8 Türkiye	6	6	5	83.33%	0.83
9 Belgium	5	5	1	16.67%	0.20
10 United Kingdom	5	5	1	20%	0.20

Figure 5 List of countries with the highest number of visits to the FLEXIGRID website from June to September 202

2.2. Hashtags

On the Dissemination and Communication Plan, two hashtags were established for the publications of project news and/or activities on social media (LinkedIn, Facebook, and Twitter), they were: #FLEXIGRIDproject and #FLEXIGRID.

This action was required for all the partners that were using their personal or business account to post about the project, since it's needed to have an estimate of the publications that are being posted.

As of September 2023, 27 posts on Twitter, 18 posts on Facebook, 2 video posted in Youtube channel and around 21 posts on LinkedIn have been published on the consortium partners' social networks. In terms of impressions on social networks (views, likes and reposts) the current figures are in total around 233000: 625 per post on Twitter, 300 on Facebook and 1,610 on LinkedIn

2.3. Templates

Different templates for news or press release were available for all partners. Once the templates were completed by partners, it was sent to CIRCE, project coordinator and Communication and Dissemination leader, for publication on the website. When a report was considered of interest, it was sent to all partners so that it can be translated into their native languages and sent to local media for further dissemination.

An example of a presentation that was made through these templates is the General Project Presentation that was published on the project's website, and it's being constantly updated, can be found through this link: <http://www.flexigrid-h2020.eu/overview-of-the-project-flexigrid/>

More details about the templates in D9.7 about visual materials and identity set.

2.4. Communication follow up File

An excel template was drafted and available to the partners in which each partner recorded all the dissemination actions carried out. This template serves as a record and follow-up of the dissemination of the project and is permanently in the files of the Microsoft TEAMS tool.

Report on FLEXIGRID's dissemination activities						
FLEXI:GRID						
Partner	Dissemination activity	further specifications	Date	Link (if applicable)	Total of stakeholders reached	
CIRCE	Partner social media channel	Post about project launch event	04/11/2019	https://www.linkedin.com/feed/update/urn:li:activity:6597109340887486464/	5081	
VERSO	Partner social media channel	Post about project launch event	04/11/2019	https://www.facebook.com/fcirce/posts/3015791325102157		
VERO	Partner social media channel	Post about project launch event	04/11/2019	https://twitter.com/fcirce/status/1191347605902675968		
EDINA	Partner social media channel	Post about project launch event	04/11/2019	https://www.flexigrid-h2020.eu/flexigrid-interoperable-solutions-for-implementing-flexibility-services-in-the-distribution-grid/	74	
CP&A	Press release	Launch of the first press release of the project in the framework of the Kick-Off	13/11/2019			
SELTA	Press release	Launch of the first press release of the project in the framework of the Kick-Off	13/11/2019			
CIRCE	Take part in a event (conference, stand...)	The project presents at the annual meeting of BRIDGE H2020 organised by the European Commission	02/02/2020		0	
CIRCE	Partner social media channel	Post about the conference at BRIDGE	12/02/2020	https://www.linkedin.com/feed/update/urn:li:activity:6633359244613820416/		
CIRCE	Partner social media channel	Post about the conference at BRIDGE	12/02/2020	https://twitter.com/fcirce/status/1227609238844000769		
CIRCE	Partner social media channel	Post about the conference at BRIDGE	12/02/2020	https://www.facebook.com/fcirce/posts/3251762101505077	223	
CIRCE	News entry official website	FLEXIGRID reinforces its positioning in Smart grids with its participation in BRIDGE H2020	02/03/2020	FLEXIGRID reinforces its positioning in Smart grids with its participation in BRIDGE H2020	26	
CIRCE	Partner social media channel	Post about the conference at BRIDGE	09/03/2020	https://www.linkedin.com/feed/update/urn:li:activity:6633359244613820416/		

Figure 6 Communication follow up file

3. DISSEMINATION AND COMMUNICATION ACTIONS

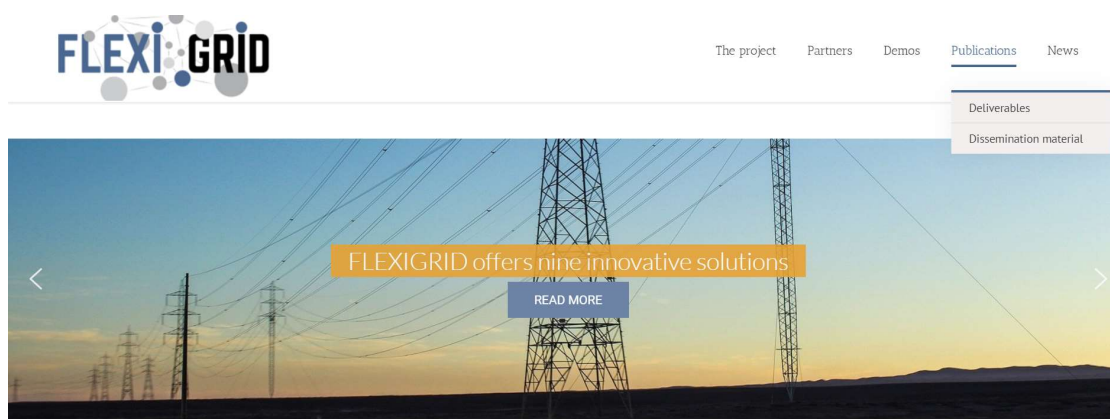
The communication and dissemination actions that have been carried out during these 48 months of the project are described below, they will be classified by the type or channel of the action: publications on social networks, publications in the press, events, entries to the website, scientific publications, etc.

These actions are the result of implementing an effective dissemination strategy that was developed previously, at the beginning of the project, to fulfil the project proposed objectives. The strategy was deployed in the present communication and dissemination plan. The plan and the different channels, methods and tools of communication were updated to follow the progress of the project.

3.1. Website

As previously presented, the project website is one of the main communication tools for any EU funded project. It provides easy and quick access to the project results for a wide audience.

The main project website is available at www.flexigrid-h2020.eu and is being updated on a basis with the latest results and news concerning the Project.



Interoperable solutions for implementing holistic FLEXibility services in the distribution GRID

www.flexigrid-h2020.eu/#

Figure 7 Main page of FLEXIGRID's website

The table below details the entries that have been made in the web page for the different demos, or entries on the web pages of the project partners about the FLEXIGRID project.

PARTNER	DISSEMINATION ACTIVITY	TITLE	DATE	LINK	STAKEHOLDERS REACHED
CIRCE	News entry official website	FLEXIGRID reinforces its positioning in Smart grids with its participation in BRIDGE H2020	02/03/2020	FLEXIGRID reinforces its positioning in Smart grids with its participation in BRIDGE H2020 – FLEXIGRID (flexigrid-h2020.eu)	26

CIRCE	News entry official website	FLEXIGRID strengthens ties between EU and Brazil at a conference to promote scientific collaboration	30/05/2020	FLEXIGRID strengthens ties between EU and Brazil at a conference to promote scientific collaboration – FLEXIGRID (flexigrid-h2020.eu)	700
-------	-----------------------------	--	------------	---	-----

Table 1 Entries on official website

PARTNER	DISSEMINATION ACTIVITY	SPECIFICATIONS	DATE	LINK	STEAKHOLDERS REACHED
VERD	Entry on partner website	Post about project	01/10/2019	FLEXIGRID - elinverd	120
CIRCE	Entry on partner website	Information about FLEXIGRID project	01/10/2019	https://www.fcirce.es/horizon2020/flexigrid	200
CAP	Entry on partner website	Announce the Kick-off of the project activities (English)	01/11/2019	https://www.capenergies.fr/wp-content/uploads/2019/11/2.0_press_release_1_final_circe-cedec.pdf	334
CAP	Entry on partner website	Announce the Kick-off of the project activities (French)	01/11/2019	https://www.capenergies.fr/wp-content/uploads/2019/11/2.0_press_release_1_fr.pdf	-
UNICAN	Entry on partner website	News about launch event	01/10/2019	https://web.unican.es/noticias/Paginas/2019/octubre_2019/flexigrid.aspx	-
UNIZIG-FER	Own press release on partner website	Post about project launch event	15/10/2019	https://www.fer.unizg.hr/download/repository/Glasnik_FER-a_listopad_2019.pdf	-
UNIZIG-FER	Own press release on partner website	Post about project launch event	21/10/2019	https://www.fer.unizg.hr/zvne?@=2qsba#news_9149	-
OP&A	Own press release on partner website	Post about project (English)	13/11/2019	https://www.ormazabal.com/en/highlights/news/flexigrid-interoperable-solutions	-
HYPERTech	Entry on partner website	News entry about the official kick-off of the project	26/11/2019	https://www.ht-energylabs.com/news-room/latest_news/2019nov13_flexigrid_grant/	-

ATOS	Entry on partner website	Newsletter on FLEXIGRID Kick-off	15/12/2019	Private content	150
ATOS	Own press release on partner website	Post about project (Spanish)	12/05/2020	https://atos.net/es/2020/comunicados-de-prensa-es_2020_05_12/atos-allana-el-camino-para-un-flujo-de-energia-flexible-y-sostenible-en-europa	-
ATOS	Own press release on partner website	Post about project (Spanish)	12/05/2020	https://atos.net/es/2020/comunicados-de-prensa-es_2020_05_12/atos-allana-el-camino-para-un-flujo-de-energia-flexible-y-sostenible-en-europa	-
ATOS	Own press release on partner website	Post about project (English)	12/05/2020	https://atos.net/en/2020/press-release/general-press-releases_2020_05_12/atos-paves-the-way-for-flexible-and-sustainable-energy-flow-in-europe	--
CAP	Entry on partner website	Communicate on the project implementation (target: French stakeholders)	01/04/2021	https://www.capenergies.fr/nouveaux-projets-de-rd-et-industriels/cap-sur-leurope/	134
CAP	Entry on partner website	Highlights from the Stakeholder Event	01/04/2021	https://www.capenergies.fr/en/flexigrid-highlights-from-the-event-presenting-the-european-project-to-stakeholders-of-optimized-energy-systems/	55
UNICAN	Entry on partner website	News about virtual panel	14/06/2021	https://www.gtea.unican.es/news-flexigrid-202106/	-
UNIZG-FER	Entry on partner website	FLEXIGRID RRI event organised by UNIZG-FER within t2.4	07/06/2021	https://www.fer.unizg.hr/zvne/news/?@=2ty7f#news_135531	-
CIRCE	Entry in a partner website	Article about the participation in PowerTech 2021	14/06/2021	https://www.fcirce.es/evento-es/adaptarte-sistemas-electricos	33
ATOS	Entry in a partner website	ARI Booklet promotes Spanish pilot RRI event	10/11/2021	https://booklet.atosresearch.eu/news/flexigrid-shares-its-knowledge-universidad-de-cantabria	-

Table 2 Entries on partner website

3.2. Social Media

The table below compiles the dissemination activities that have been carried out by all partners through their company social media accounts (LinkedIn, Twitter, Facebook, etc.)

The table shows that information on the FLEXIGRID project developments and its results are being published and disseminated by the project partners through different social media channels. As the Dissemination and communication plan (M36) stated, all of the partners are more than welcome and invited to share and promote FLEXIGRID via press and social media using whether their personal or professional account. The posts in social media were encouraged to include the hashtag #FLEXIGRIDproject or #FLEXIGRID.

PARTNER	DISSEMINATION ACTIVITY	SPECIFICATIONS	DATE	LINK	STAKEHOLDERS REACHED
LINKS	Partner social media channel	Post about project launch event	30/09/2019	https://twitter.com/LinksFoundation/status/1189535446604357632	1135
CIRCE	Partner social media channel	Post about project launch event	04/11/2019	https://www.linkedin.com/feed/update/urn:li:activity:6597109340887486464/	5081
CIRCE	Partner social media channel	Post about project launch event	04/11/2019	https://www.facebook.com/fcirce/posts/3015791325102157	220
CIRCE	Partner social media channel	Post about project launch event	04/11/2019	https://twitter.com/fCIRCE/status/1191347605902675968	1490
VERD	Partner social media channel	Post about project launch	04/12/2019	https://www.linkedin.com/posts/elinverd_%CF%84%CE%B1-%CE%BD%CE%B5%CE%B1-%CE%BC%CE%B1%CF%83-%CE%B5%CE%BB%CE%B9%CE%BD-verd-activity-6607984814270357504-l500	585
LINKS	Partner social media channel	Project opening occasion	05/11/2019	https://twitter.com/LinksFoundation/status/1189535446604357632	1416
LINKS	Partner social media channel	Project opening occasion	05/11/2019	https://twitter.com/LinksFoundation/status/1191666676493893632	-
VIESGO	Partner social media channel	Thread about start of the project	07/11/2019	https://twitter.com/Viesgo_ES/status/1192419766201401350?s=20	-

ATOS	Partner social media channel	Video explaining project's objectives (Spanish)	02/07/2020	https://www.youtube.com/watch?v=oJjZQjOdDSE	-
CIRCE	Partner social media channel	Post about the conference at BRIDGE	12/02/2020	https://www.linkedin.com/feed/update/urn:li:activity:6633359244613820416/	3221
CIRCE	Partner social media channel	Post about the conference at BRIDGE	12/02/2020	https://twitter.com/fCIRCE/status/1227609229844000769	1837
CIRCE	Partner social media channel	Post about the conference at BRIDGE	12/02/2020	https://www.facebook.com/fcirce/posts/3251762101505077	223
CIRCE	Partner social media channel	Post about the conference at BRIDGE	09/03/2020	https://www.linkedin.com/feed/update/urn:li:activity:6642758418652377088/	2556
CIRCE	Partner social media channel	Post about the conference at BRIDGE	09/03/2020	https://twitter.com/fCIRCE/status/1236996100596412428	792
CIRCE	Partner social media channel	Post about the conference at BRIDGE	09/03/2020	https://www.facebook.com/fcirce/posts/3311735998841020	139
CIRCE	Partner social media channel	Brazil conference	22/05/2020	https://twitter.com/fCIRCE/status/126380080899652705	194
CIRCE	Partner social media channel	Brazil conference	22/05/2020	https://www.linkedin.com/feed/update/urn:li:activity:6669560724848701440/	1456
CIRCE	Partner social media channel	Brazil conference	22/05/2020	https://www.facebook.com/fcirce/photos/a.676324879048825/3499969530017665/?type=3&theater	9
CIRCE	Partner social media channel	Brazil post-conference	11/06/2020	https://www.linkedin.com/feed/update/urn:li:activity:6676813504764243969	134
CIRCE	Partner social media channel	Brazil post-conference	11/06/2020	https://www.facebook.com/fcirce/posts/3553882494626368	573
CIRCE	Partner social media channel	Brazil post-conference	11/06/2020	https://twitter.com/fCIRCE/status/1271048180600385536	461
ATOS	Partner social media channel	Video explaining project's objectives	02/07/2020	https://www.youtube.com/watch?v=oJjZQjOdDSE	251

CIRCE	Partner social media channel	Post about "Noticia Heraldo de Aragón sobre #FLEXIGRID, un proyecto coordinado por CIRCE"	21/12/2020	https://www.linkedin.com/feed/update/urn:li:activity:6746770441915912192	3200
CIRCE	Partner social media channel	Post about "Noticia Heraldo de Aragón sobre #FLEXIGRID, un proyecto coordinado por CIRCE"	21/12/2020	https://www.facebook.com/fcirce/posts/4136577849690160	350
CIRCE	Partner social media channel	Post about "Noticia Heraldo de Aragón sobre #FLEXIGRID, un proyecto coordinado por CIRCE"	21/12/2020	https://twitter.com/fCIRCE/status/1341005012265263105	576
VIESGO	Partner social media channel	Post about Stakeholders Event	26/03/2021	https://www.facebook.com/ViesgoLaEnergíadelasCosas/posts/2259690167496373	-
VIESGO	Partner social media channel	Post about Stakeholders Event	26/03/2021	https://twitter.com/Viesgo_ES/status/1375355979085254657	-
VIESGO	Partner social media channel	Post about Stakeholders Event	26/03/2021	https://www.linkedin.com/feed/update/urn:li:activity:6781121602110156800	-
ATOS	Partner social media channel	Tweet to promote RRI Event in UC premises	10/11/2021	https://twitter.com/ARI_Atos/status/1458380071803174921?s=20	-
ATOS	Partner social media channel	Post to promote FLEXIGRID'S official video	29/12/2021	https://twitter.com/ARI_Atos/status/1476241855427735552?s=20&t=ZGSWiKUJYtMIQmMcEpbm3Q	-
CIRCE	Partner social media channel	Post about the virtual event of the project	18/03/2021	https://www.facebook.com/fcirce/posts/pfbid09HqPmLPSA6r2o2Y5jydhJx8CPkoehaFDuu99xEjay9V9Tuabga86EFziMAy88y9jl?_ft=AZW7UJEeHuQLUW5RAqrD7MOIXsqnQqbLw3Fc3DjiJfBYra3WriHVvj0cJkmVoyjULZOyTCuOFqMiEg1mlaXiSSUzMQh_52-MB_Ej9-IlXa7e1WxZdeYsu	102

					ZrCKVMHeHMC5U& tn =%2CO%2CP-R	
CIRCE	Partner social media channel	Post about the virtual event of the project	18/03/2021		https://www.linkedin.com/feed/update/urn:li:activity:6778252306455519232	1416
CIRCE	Partner social media channel	Post about the virtual event of the project	18/03/2021		https://twitter.com/fCIRCE/status/1372486919075078145	452
CIRCE	Partner social media channel	Post about the virtual event of the project	18/03/2021		https://twitter.com/fCIRCE/status/1372486919075078145	452
CIRCE	Partner social media channel	Second post about the virtual event of the project	22/03/2021		https://www.facebook.com/fcirce/posts/pfbid07rwinGuPg3QkBK7jDVFRYebYdsNZbDjww1TYBsBWcc17FZmu6CxxhFunSVrWzkgBl? cft [0]=AZU1fukPfWd6u8aD_QYJU_f8EpOcCMA4BBLFxOwtb_Z36DnhjrvX1GT0hP2KOUNK46TDdTK5ZtuipAGJMwR3xHHVPceCQntJxKP2lAmCvFYL6lcOFFckMX-PkKoz_MbDNEM& tn =%2CO%2CP-R	107
CIRCE	Partner social media channel	Second post about the virtual event of the project	22/03/2021		https://www.linkedin.com/feed/update/urn:li:activity:6779726877901783040& tn =%2CO%2CP-R	802
CIRCE	Partner social media channel	Second post about the virtual event of the project	22/03/2021		https://twitter.com/fCIRCE/status/1373961666099085314-PkKoz_MbDNEM& tn =%2CO%2CP-R	1035
CIRCE	Partner social media channel	Thrid post about the virtual event of the project	24/03/2021		https://www.facebook.com/fcirce/posts/pfbid0xXUmNE2dPyz3ZZdqWygF8BWLyaCfYbMmrWqso4zpb6GHSCxKsj7RqCT37CpNyWwPcl? cft [0]=AZVb0OvYiJ5D68OLnu t BV-3sHdJzp1ZCPYoPQugVplzX1jD5s8K	1782

					skbVPXD_iQ_U74h9LcCAKLeK5Y8t muSWsLH2issu2 Mgyc4kPLkU3QFfg1M7iigkTEQTfyv 0b35F6iM&_tn_=%2CO%2CP-R	
CIRCE	Partner media channel	social	Thrid post about the virtual event of the project	24/03/2021	https://www.facebook.com/fcirce/posts/pfbid0xXUmNE2dPyz3ZzdqWygF8BWLyaCfYbMmrWqso4zp6GHSCxKsj7RqCT37CpNyWwPcl?_ftn_0=AZVb0OvYiJ5D68OLnu t BV-https://www.linkedin.com/feed/update/urn:li:activity:6780442211763937280	902
CIRCE	Partner media channel	social	Thrid post about the virtual event of the project	24/03/2021	https://twitter.com/fCIRCE/status/1374677843121164290	1617
CIRCE	Partner media channel	social	Post about the participation in the radio program "Investigadores por el mundo" of Libertad FM	09/04/2021	https://www.facebook.com/fcirce/posts/pfbid0JEuk oP18raHStPFd9j1s Pb44c7sx6piBDVz owk7GLEJ5kqtJ7SD5jxNkudKKpBNdl?_ftn_0=AZXC3KSCpyn1ldlihdrc bFaLIfrRJfzg6jCl mWusnCEKt5ggm YkhIJ46gQKz8k k KOaMJB63pGKwj b rgJ0rEp13F7Lb nrcX7Wdpe3ULW pkuVkQXsEgYhn1 AhQohrqg7yg&_tn_=%2CO%2CP-R	242
CIRCE	Partner media channel	social	Post about the participation in the radio program "Investigadores por el mundo" of Libertad FM	09/04/2021	https://www.linkedin.com/feed/update/urn:li:activity:6786191206591279105	2270
ATOS	Partner media channel	social	Post about 3rd Steering Committee	20/05/2022	https://twitter.com/ARI_Atos/status/1527614653068632064	-
ATOS	Partner media channel	social	Post about 3rd Steering Committee	23/05/2022	https://twitter.com/ARI_Atos/status/1528746320797700096?s=20&t=ZGSWiKUJYtMIQm mcEpbm3Q	-

CIRCE	Partner media channel	social	Post about the participation in PowerTech 2021	29/06/2021	https://www.facebook.com/fcirce/posts/pfbid02QDKjb286DLVR54bxq62KAjjXE9B2jzYc8R6WxDpvJS1qtDuSZCPg2o5isA9btUYtl?_cft__[0]=AZWNtITZtOAcaLI7T56d4IzSxAFr0mTA_yWK7WBIMz3I3tJMDeECxX1TqFAJ3bp9an2oB5E-tdE7cdcDhyzxx4WihFpKfGq09AURY186QLLgXyJUEQza-mZ5Fm_qAx0FWw&_tn=_%2CO%2CP-R	170
CIRCE	Partner media channel	social	Post about the participation in PowerTech 2021	29/06/2021	https://www.linkedin.com/feed/update/urn:li:activity:6815602825909817344	769
CIRCE	Partner media channel	social	Post about the participation in PowerTech 2021	29/06/2021	https://twitter.com/fCIRCE/status/1409837881364037637	579
CIRCE	Partner media channel	social	Second General Assembly	02/11/2021	https://www.facebook.com/fcirce/posts/pfbid022waS3Ut8RTP4Fv7vFBYMcuIRpmdXTJhAvCjn3rCQhbUTLuQsfXEox5LmqA39z3yel?_cft__[0]=AZWX3HBczM8Zn-l3eDunZcob9AtZ5i8MerEPK7FMtiCWFDaU_Tl_sTKiQRZaaSq9iXxn2pSIXMVGr9whEF62nurINrDjSdLCMW8WDLNQ5kT1-wbLzxiXe7r1bjDOPWrtafM&_tn=_%2CO%2CP-R	187
CIRCE	Partner media channel	social	Second General Assembly	02/11/2021	https://www.linkedin.com/feed/update/urn:li:activity:6861249445124685825	1408
CIRCE	Partner media channel	social	Second General Assembly	02/11/2021	https://twitter.com/fCIRCE/status/1455860150934310915	358

CIRCE	Partner social media channel	Second General Assembly	03/11/2021	https://www.facebook.com/fcirce/posts/pfbid02vxWL2BSCdZjeBacJq4Hy1Abig4hkMYSzWWUFo4TRvFXqs bMikJJxM3Q9WHpC2PLl?_cft_[0]=AZV3RiP-ct679-irSjUeRNPvRkacJJVPONDxAwIUOxaxP4nGEP9Pmpzrw46DT8-vFGEjTflj5bl5LyorlmvmXG1vtX PwbVn-CSL40YXKTJQUHRuv69FhL7goh2pCLV03HQ&_tn=%2CO%2CP-R	275
CIRCE	Partner social media channel	Post about the participation in the event "Responsible Research and Innovation"	18/10/2021	https://www.linkedin.com/feed/update/urn:li:activity:6861625104837685248	2808
CIRCE	Partner social media channel	Post about the participation in the event "Responsible Research and Innovation"	18/10/2021	https://twitter.com/fCIRCE/status/1450064109098110976	227
CIRCE	Partner social media channel	Post about project video	09/12/2021	https://www.facebook.com/fcirce/posts/pfbid0QF59BV6eVwKYhLRWiwWP68uFQQ73vMriYvXKtmK81StWTm55NWmbMP7McPvnrewXI?_cft_[0]=AZULSOj9Rn-pBL0u0npJ6HZg3TEwFYd9wq0IXPNIXfwlnhqiHWT33dE5dMkXPZasp1QY93G1-KLRP-VfAABJvgPGmf1tdLrFGdSqY7AVrjYjNkEG0pQAea72KO FAvn0e3o&_tn=%2CO%2CP-R&_tn=%2CO%2CP-R	104
CIRCE	Partner social media channel	Post about project video	09/12/2021	https://www.linkedin.com/feed/update/urn:li:activity:6874663634585317376	1620

CIRCE	Partner social media channel	Post about project video	09/12/2021	https://twitter.com/fCIRCE/status/1468898817319788544	360
CIRCE	Partner social media channel	Post about project video	09/12/2021	https://www.youtube.com/watch?v=tZRKE1swEbg	59
CIRCE	Partner social media channel	Thrid General Assembly	09/05/2022	https://twitter.com/fCIRCE/status/1468898817319788544	130
CIRCE	Partner social media channel	Thrid General Assembly	09/05/2022	https://www.youtube.com/watch?v=tZRKE1swEbg	1521
CIRCE	Partner social media channel	Thrid General Assembly	09/05/2022	https://twitter.com/fCIRCE/status/1523566784796049409	184
UNICAN	Partner social media channel	Dissemination on Secondary School within a campaing promoted by UNICAN	20/05/2022	https://www.youtube.com/watch?v=cgsODR67B3Y	-
SELTA	Partner social media channel	Italian Demo work progress	01/06/2022	https://www.linkedin.com/posts/dp-selta_stce-modulare-selta-activity-6937780498442117120-ZdT5?utm_source	58
CIRCE	Partner social media channel	Thrid post of the communication campaing for ENLIT Europe 2023	11/23/2022	https://www.facebook.com/fcirce/posts/pfbid0PhAJDxor1AJr7NoAcDjXDBeLKh7m1ntJHdNMWLiWejKLos4cxpzVeNiC4gpr9wR1l?_cft__[0]=AZXFRU8Wy2nIOSORRa8D5aEMtsgknB2ileyCzO6CK_P0EX3fAicfyfZ_1J2TMg7iLyDL_tWg6KsZahxd1rBOaUMzWimHDe2eH6zsblfvC5dXkUYvrYabHuvIUxfjDybwF4v11jH6yHh5DnhPIRsOEdbL7jE02Mk2D_9oXvt8kfLwQ&_tn_=%2CO%2CP-R	76
CIRCE	Partner social media channel	First post of the communication campaing for ENLIT Europe 2023	03/11/2022	https://www.linkedin.com/posts/circe-centro-tecnologico_digit-alizaciaejn-flexigrid-enliteurope-	1072

				activity-7001107344096964608-x7Mk?utm_source=share&utm_medium=member_desktop	
CIRCE	Partner social media channel	First post of the communication campaig for ENLIT Europe 2023	03/11/2022	https://twitter.com/fCIRCE/status/1588084529566257153	102
CIRCE	Partner social media channel	Second post of the communication campaig for ENLIT Europe 2023Conference at ENLIT Europe of the project	17/11/2022	https://www.linkedin.com/posts/circe-centro-tecnologico-digitaltwins-flexibility-flexigrid-activity-6998921652210159617-YOB3?utm_source=share&utm_medium=member_desktop	1856
CIRCE	Partner social media channel	Second post of the communication campaig for ENLIT Europe 2023Conference at ENLIT Europe of the project	17/11/2022	https://twitter.com/fCIRCE/status/1593256106671091714	206
CIRCE	Partner social media channel	Thrid post of the communication campaig for ENLIT Europe 2023	23/11/2022	https://www.linkedin.com/posts/circe-centro-tecnologico-digitalizaciaejn-flexigrid-enliteurope-activity-7001107344096964608-x7Mk?utm_source=share&utm_medium=member_desktop	1290
CIRCE	Partner social media channel	Thrid post of the communication campaig for ENLIT Europe 2023	23/11/2022	https://twitter.com/fCIRCE/status/1595341867746566145	166
CIRCE	Partner social media channel	General Assembly in Croatia	23/11/2022	https://www.facebook.com/fcirce/posts/pfbid02FpLUYrRCdEdWys2vgRdiQwC84zBG8ZF7yPAW1MHRlt7zyDettxWF3rkksayoyPI?_cft__[0]=AZV0VsKFpbI58q	214

					ByK3j2A2LdWrhZbGhmzLDS2uigTCi8BoXHybyv2t3gVm8bvjL97FibFn-sDoDu_Jt3L7HDDuroziappc1eB2xpBxDpB9xLCCjIDHyZDmkxXN5iIt-gGVM&_tn=%2CO%2CP-R	
CIRCE	Partner social media channel	General Assembly in Croatia	14/12/2022		https://www.linkedin.com/posts/circe-centro-tecnologico-flexigrid-project-activity-7008704613377847296-HACh?utm_source=share&utm_medium=member_desktop	3463
CIRCE	Partner social media channel	General Assembly in Croatia	14/12/2022		https://twitter.com/fCIRCE/status/1602942230733496321	156
CIRCE	Partner social media channel	First Post Final event	30/08/2023		https://www.linkedin.com/feed/update/urn:li:activity:7102567537023889408	808
CIRCE	Partner social media channel	First Post Final event	30/08/2023		https://www.facebook.com/fcirce/posts/pfbid02yAkPuYqwuzZAQTj27KRj1GWc9VHqTfBfeqkRJses6HeXe9DTTNbYPu2WJiXbfGm9l?_cft__[0]=AZXcCLLv7QISdB eQ1hGxx90IdSv161hZrUjpBewVk6laUv8hHmdpPvg-UcTINSwRUXoQUVWBFC3A_Fb6r5NIZCA_oSU7eNEg0_s1BrsasFXZ-m-VN2GW6H7T-sdPPzYT3U&_tn=%2CO%2CP-R	57
CIRCE	Partner social media channel	First Post Final event	30/08/2023		https://twitter.com/fCIRCE/status/1696804599393370438	250
CIRCE	Partner social media channel	LinkedIn Event	14/09/2023		https://www.linkedin.com/feed/update/urn:li:activity:7107973824960167937	587

CIRCE	Partner social media channel	Flexigrid Agenda	20/09/2023	https://www.linkedin.com/feed/update/urn:li:activity:7110186016820330496	1826
CIRCE	Partner social media channel	Flexigrid Agenda	20/09/2023	https://www.facebook.com/fcirce/posts/pfbid021a6sqNnXwkC3a1ZGLagHAQZ4wWzvMdYgpeBhRHSDcLV45W6pcEbW4QGKvtt52yFXI?_cft__[0]=AZUQkOXLYjEDHUpX5iXFOZbADh4Fcvv8y0PPFTiZqXJ1Adu2KAcEYi4NxovSH--4cKdSm4bigU2Q5hxx5PEMoSkx2DTzhng8Qhszq1wRSvnQBamMODkNjK5DrrK3wmBk&tn=%2C0%2CP-R	85
CIRCE	Partner social media channel	Flexigrid Agenda	23/09/2023	https://twitter.com/fCIRCE/status/170551232665558142	189
SELTA DP	Partner social media channel	Agenda	27/09/2023	https://www.linkedin.com/feed/update/urn:li:activity:7112454408025587712?updateEntityUrn=urn%3Ali%3Afs_feedUpdate%3A%28V2%2Cur%3Ali%3Aactivity%3A7112454408025587712%29	N/A
OPA	Partner social media channel	LinkedIn Event	27/09/2023	https://www.linkedin.com/posts/oramazabal-the-flexigrid-european-research-project-activity-7110645202431692800-HhDM?utm_source=share&utm_medium=member_desktop	N/A
CIRCE	Partner social media channel	Final Event Pictures and Final Video	03/10/2023	https://www.linkedin.com/posts/circe-centro-tecnologico-flexigrid-smartgrids-innovacion-activity-7114947226828705794-	N/A

				wPgK?utm_source=share&utm_medium=member_desktop	
CIRCE	Partner social media channel	Final Event Pictures and Final Video	03/10/2023	https://www.facebook.com/fcirce/posts/pfbid0hQ7ePRqcFSfqEUkzXB9jbf14wwelF6qBbv6CXkqmKetggmtQ1Z5CFV2gPuCUTy9ml?_cft__[0]=AZX70iflAryf8tEUwu8spxfLUkY1GUxG7Vv-m7ltZ8Cbzjmc_qWHI3AOyNpHfU6JolRy19iUHHr7g9D6wwiPiOJhyrZe62Lg7VGRU_yZX1WC_l-rZ7CqG5zlbVs3iCKwZ0&tn=%2CO%2CP-R	N/A
CIRCE	Partner social media channel	Final Event Pictures and Final Video	03/10/2023	https://twitter.com/fCIRCE/status/1709186119701590360	N/A

Table 3. Social media dissemination activities

3.3. Press dissemination activities

The table below sums up the different articles and publications that have been made through different press media, such as printed newspapers, digital newspapers, radio programs, magazines, among others, activities made by different partners throughout the project.

During the project, a total of 5 press releases on newspapers, 15 articles have been published in specialized magazines, 5 news in a partners' website and official website, 1 contribution to a stakeholder report, 1 participation in an external promotional video, 1 podcast interview and 1 radio interview about FLEXIGRID Project and the organization of a workshop have been carried out.

PARTNER	DISSEMINATION ACTIVITY	TITLE	DATE	LINK	STAKEHOLDERS REACHED
CIRCE	Official Press release	Launch of the first press release of the project in the framework of the Kick-Off	09/09/2019	https://www.interempresas.net/Energia/Articulos/252921-Flexigrid-Interpreter-desarrollaran-soluciones-innovadoras-materia-Smart-Grids-mejorar.html	150

CIRCE	Official Press release	Post about project	04/10/2019	https://www.smartgridinfo.es/2019/10/04/flexigrid-nuevo-proyecto-europeo-	-
UNICAN	Articles in magazines	News entry about launch event on CODDii	11/10/2019	https://coddii.org/la-universidad-de-cantabria-participa-en-el-proyecto-flexigrid-que-analizara-el-impacto-de-una-integracion-masiva-de-energias-renovables-sobre-la-red-electrica	-
CIRCE	Official Press release	Launch of the first press release of the project in the framework of the Kick-Off	13/11/2019	http://www.flexigrid-h2020.eu/flexigrid-interoperable-solutions-for-implementing-flexibility-services-in-the-distribution-grid/	74
CAP	Own Press release	To announce the Kick-off of the project activities	13/11/2019	https://www.capenergies.fr/wp-content/uploads/2019/11/2.0_press_releasedec.pdf	-
VERD	Official Press release	Post about project	25/11/2019	https://energypress.gr/news/symmetochi-tis-elin-verd-se-eyropaiko-programma-anaptyxis-exypnon-energeiakon-systimaton	26.000
VERD	Official Press release	Post about project	25/11/2019	https://energyup.gr/s-to-programma-flexigrid-i-eteria-elin-verd/	300
VERD	Official Press release	Post about project	25/11/2019	https://www.amna.gr/home/article/410917/Summetochi-tis-Elin-Verd-se-europaiko-programma-anaptyxis-exypnon-energeiakon-sustimaton-FLEXIGRID	46000
VERD	Official Press release	Post about project	25/11/2019	https://www.businessdaily.gr/epiheiriseis/5571-h-elin-verd-se-eyropaiko-programma-anaptyxis-exypnon-energeiakon-systimaton	43500

VERD	Official Press release	Post about project	26/11/2019	https://www.energia.gr/article/161769/h-elin-verd-sto-eyropaiko-programma-flexigrid	12.000
VERD	Official Press release	Post about project	26/11/2019	https://polytechnika.gr/	738
VERD	Official Press release	Post about project	26/11/2019	https://business.gr/symmetochi-tis-elin-verd-se-eyropaiko-programma-anaptyxis-exypnon-energeiakon-systimaton/	1132
VERD	Official Press release	Post about project	26/11/2019	http://portal.tee.gr/portal/page/portal/INFOTEE/INFO_2019/11_19/NEWSLETTER20191126.pdf	2000
UNIZG-FER	Own press release	Post about project launch event	31/10/2019	https://www.fer.unizg.hr/zvne?@=2qsba#news_9149	-
UNIZG-FER	Own press release	Post about project launch event	15/10/2019	https://www.fer.unizg.hr/download/repository/Glasnik_FER-a_listopad_2019.pdf	-
UNICAN	Own press release	News entry about launch event on CODDii	11/10/2019	https://coddii.org/la-universidad-de-cantabria-participa-en-el-proyecto-flexigrid-que-analizara-el-impacto-de-una-integracion-masiva-de-energias-renovables-sobre-la-red-electrica	-
ATOS	Own press release	Post about project	12/05/2020	https://atos.net/es/2020/comunicados-de-prensa-es-2020-05-12/atos-allana-el-camino-para-un-flujo-de-energia-flexible-y-sostenible-en-europa	288.060
ATOS	Own press release	Enabling flexibility for future distribution grid (AtoS Global - Eng)	12/05/2020	https://atos.net/en/2020/press-release/general-press-releases-2020-05-12/atos-paves-the-way-for-flexible-and-sustainable-energy-flow-in-europe	288.060
ATOS/VIESGO	Official Press release	News entry about project	12/08/2020	https://www.elespanol.com/invertia/empr esas/energia/20200811/flexigrid-proyecto-europeo-dara-	17.640

				fiabilidad-electrica-europea/5121994320.html	
ATOS/VIESGO	Official Press release	News entry about project	12/08/2020	https://noticias.cryptomkt.com/es/atos-impulsa-el-proyecto-flexigrid-por-valor-de-8-millones-de-euros-para-apalancar-plataforma-fuse-con-tecnologia-blockchain/	-
ATOS	Official Press release	Newspaper article about project	28/10/2020	https://www.economiadehoy.es/atos-impulsa-el-proyecto-flexigrid-por-valor-de-8-millones-de-euros-para-aportar-fiabilidad-a-toda-la-red-electrica-europea	52.470
ATOS	Official Press release	Newspaper article about project	28/10/2020	http://unaenergia.es/proyecto-flexigrid-para-aportar-fiabilidad-a-toda-la-red-electrica-europea/	5010
ATOS	Official Press release	Newspaper article about project	28/10/2020	https://www.integradsion.at/atos-promotes-the-flexigrid-project-worth-8-million-euros-to-leverage-the-fuse-platform-with-blockchain-technology/	200
ATOS	Official Press release	Newspaper article about project	28/10/2020	https://p.eypressa.com/tmp/GPS--ATOS-20201028-larioja.com-innova-012-01-1603867053.54529.pdf	10
CIRCE	Official Press release	Newspaper article about project	17/12/2020	HERALDO CIRCE lider a FLEXIGRID para avanzar en la flexibilidad de la red 2020.	2200
CIRCE	Official Press release	Podcast for radio program about project	24/03/2021	https://www.ivoox.com/proyecto-europeo-flexigrid-d-samuel-borroy-audios-mp3_rf_67343452_1.html	44
UNICAN	Other Dissemination activities	Dissemination on Secondary School within a campaign promoted by	13/06/21	https://www.youtube.com/watch?v=cgsODR67B3Y	-

UNICAN. Video recording.				
OP&A	Other dissemination activities	Velatia Sustainability Report	01/07/2022	https://www.velatia.com/es/velatia-sostenibles-por-conviccion/memoria-de-sostenibilidad-de-velatia/
CIRCE	Other dissemination activities	Podcast for Enlit Platform	16/05/2023	Not public yet

Table 4. Press dissemination activities

3.4. Scientific Publications

This section shows the scientific publications that have been made about the FLEXIGRID project, those that have been published and those that are in process. It includes the authors, the title, date of publication or date of drafting, and if the information is available, the magazine, volume, page, and link to the publication.

PARTNER	DISSEMINATION ACTIVITY	TITLE	DATE	LINK
CIRCE and UNICAN	Scientific publication	A. Laso; R. Martínez; M. Manana; D. Cervero; J.A. Sáez. <i>A comparative between IEEE and EN in the transformer derating when supplying nonsinusoidal load current. A practical case.</i>	02/09/2020	http://www.icrepq.com/icrepq20/487-20-laso.pdf
UNICAN	Scientific publication	S. Bustamante; M. Manana ; Alberto A. ; R. Martinez; Alberto L. <i>A Methodology for the Calculation of Typical Gas Concentration Values and Sampling Intervals in the Power Transformers of a Distribution System Operator.</i>	12/11/2020	https://www.mdpi.com/1996-1073/13/22/5891
UNICAN	Scientific publication	S. Bustamante; M. Manana ; Alberto A. ; R. Martinez; Alberto L. <i>Determination of Transformer Oil Contamination from the OLTC Gases in the Power Transformers of a Distribution System Operator.</i>	13/12/2020	https://www.mdpi.com/2076-3417/10/24/8897
UNIZG-FER	Scientific publication	M.Bolfek and T. Capuder, <i>An analysis of optimal power flow based formulations regarding DSO-TSO flexibility provision, International Journal of Electrical Power and Energy Systems</i>	16/05/2021	doi.org/10.1016/j.ijepes.2021.106935

ZIV	Scientific publication	R.Cimadevilla, A. Castañón, P. Eguia, E. Torres. <i>Impact of wind generation on line protection</i>	19/07/2021	-
ZIV	Scientific publication	L. Aranburu, A. Unzueta, M. Araceli Garín, J. I. Modroño, A. Amezuza. <i>Analytics and Optimization Techniques on Feeder Identification in Smart Grids</i>	15/09/2021	http://eurocon2021.org/
VERD/ LINKS	Scientific publication	H. Mirtaheri, P. Macaluso, M. Fantino, M. Efstratiadi, S. Tsakanikas, P. Papadopoulos, A. Mazza <i>Hybrid Forecast and Control Chain for Operation of Flexibility Assets in Micro-Grids</i>	03/11/2021	10.3390/en14217252
OPA, VIESGO, UNICAN	Scientific publication	J. Aguirre, A. Blasco, Cristina Mendez, A. Gonzalez, M. Mañana <i>FROM TRADITIONAL TO DIGITAL ASSET MANAGEMENT OF NETWORK COMPONENTS</i>	20/11/2021	
UNICAN, CIRCE	Scientific publication	H. Mirtaheri, P. Macaluso, M. Fantino, M. Efstratiadi, S. Tsakanikas, P. Papadopoulos, A. Mazza <i>Techniques to Locate the Origin of Power Quality Disturbances in a Power System: A Review</i>	17/06/2022	https://doi.org/10.3390/su14127428
CIRCE	Scientific publication	A. Castañón, R. Cimadevilla, M. T. Villén, E. Martínez Carrasco <i>Impact of Renewable Energy Sources on the Protection of MV Distribution Networks</i>	20/06/2022	https://www.pacw.org/
ZIV	Scientific publication	R.Cimadevilla, A. Castañón. <i>Advanced Phase Selector for Severe Line Protection Requirements</i>	01/06/2022	-
CIRCE	Scientific publication	M. T. Villén, M. P. Comech, E. Martinez Carrasco, A. A. Prada Hurtado <i>Influence of Negative Sequence Injection Strategies on Faulted 2 Phase Selector Performance</i>	19/08/2022	10.3390/en15166018
CIRCE	Scientific publication	J. Granado, E. Herrero, A. Lombart, J. Saldaña <i>Detection and Classification of Fault Types in Distribution Lines by Applying Contrastive Learning to GAN Encoded Time-Series of Pulse Reflectometry Signals</i>	14/10/2022	10.1109/ACCESS.2022.3214994
UNIZG-FER	Scientific publication	T. Antić, A. Keane, T. Capuder <i>Pp OPF - Pandapower Implementation of Three-phase Optimal Power Flow Model</i>	20/11/2022	10.48550/arXiv.2211.11032

CIRCE, UNICAN, ZIV, VIESGO	Scientific publication	J. Granado, D. Cervero, M. Mañana, R. Cimadevilla, C. Gil, J.I. Rodriguez, A. González. <i>Experiencia piloto de localización de faltas en red de media tensión mediante la técnica de la reflectometría en el dominio del tiempo (TDR) en el proyecto H2020-FLEXIGRID</i>	14/12/2022	https://www.futured.es/primera-edicion-del-congreso-de-redes-inteligentes
UNICAN	Scientific publication	R. Martine ; A. Arroyo; A. Pigazo; M. Manana; E. Bayona; J.F. Azcond.; S. Bustamante; A. Laso <i>Acoustic Noise-Based Detection of Ferroresonance Events in Isolated Neutral Power Systems with Inductive Voltage Transformers</i>	24/12/2022	https://doi.org/10.3390/s23010195
CIRCE	Scientific publication	J. Granado, E. Herrero, H. Bludszuweit, D. Cervero, A. Llombart <i>Modelling and Simulation of Time Domain Reflectometry Signals on a Real Network for Use in Fault Classification and Location</i>	06/03/2023	10.1109/ACCESS.2023.3253772.
UNICAN	Scientific publication	M. Mañana, A. Arroyo, R. Martinez, S. Bustamante, A. Laso, E. Sainz <i>Free Simulation Tools for Power Quality and Grid-Integration of Renewable Energies Cases</i>	Conference: 24/05/2023 ISSN Date: July 2023	https://www.icrepq.com/icrepq23/458-23-manana.pdf
UNIZG-FER	Scientific publication	T. Antić, T. Capuder <i>Modelling and analysis of low voltage networks based on data represented in geographic information system</i>	06/06/2023	8th CIRED Croatian National Committee
UNIZG-FER	Scientific publication	T. Antić, T. Capuder <i>Development of software solutions for modelling and analysis of smart distribution networks</i>	06/06/2023	8th CIRED Croatian National Committee
CIRCE	Scientific publication	J. Granado, E. Herrero, A. Lombart <i>Generation of synthetic examples using generative adversarial networks (GAN) to extend a database of fault signals on power distribution lines</i>	15/06/2023	CIRED 2023 - 27th International Conference on Electricity Distribution
UNIZG-FER	Scientific publication	T. Antić, A. Hrga, T. Capuder <i>SENS – Tool for planning and operation of smart distribution networks</i>	15/06/2023	CIRED 2023 - 27th International Conference on Electricity Distribution
OPA, VIESGO	Scientific publication	J. Aguirre, A. Blasco, M. Alvarez, A. Gonzalez <i>Smart secondary substation development and demonstration under FLEXIGRID project</i>	15/06/2023	CIRED 2023 - 27th International Conference on Electricity Distribution

CIRCE	Scientific publication	M.T. Villen, M.P. Comech, E. Martinez, R. Matute, M.A. Oliván, A. Prada, J. Saldana <i>A computer-assisted Faulted Phase Selection Algorithm for dealing with the effects of Renewable Resources in Smart grids.</i>	05/09/2023	-
CIRCE	Scientific publication	J. Granado, E. Herrero, A. Lombart <i>TransSiamese: A Transformer-Based Siamese Network for Anomaly Detection in Time Series as Approach for Fault Location in Distribution Grids</i>	18/09/2023	https://ieeaccess.ieee.org/
UNIZG-FER	Scientific publication	T. Matijašević, T. Antić, T. Capuder <i>From smart meters to future network losses - machine learning approach</i>	06/06/2023	-
UNIZG-FER	Scientific publication	T. Capuder, B. Barać, M. Kostelac, M. Krpan <i>Three-Stage Modeling Framework for Analyzing Islanding Capabilities of Decarbonized Energy Communities</i>	25/05/2023	10.3390/en16114321
UNICAN	Scientific publication	S. Bustamante, J. L. M. Lastra, M. Manaña, A. Arroyo <i>Creation of a New Zone in Duval's Triangle and Pentagon to Identify Transformer Oil Contamination from OLTC Gases</i>	2023 - date TBD	
MOH, ATOS	Scientific publication	M. Efstratiadi, S. Tsakanikas, P. Papadopoulos, D. Salinas <i>A novel holistic energy management system incorporating PV generation and battery storage for commercial customers</i>	2023 - date TBD	https://www.techrxiv.org/articles/preprint/A_novel_holistic_energy_management_system_incorporating_PV_generation_and_battery_storage_for_commercial_customers/23627913
LINKS, SELTA	Scientific publication	A. A. Sundhu, F. Giordano, G. Della Croce, M. Arnone. <i>Digital Twin of Real Electrical Distribution System with Real Time Recursive Load Flow Calculation and State Estimation</i>	2023 - date TBD	https://waset.org/smart-grid-technologies-and-smart-cities-conference-in-december-2023-in-london

Table 5. Scientific publications of FLEXIGRID project

3.5. Events

The partners of the consortium have been participating, together or individually, in several conferences, events, fairs and meetings to promote the results and achievements of the project.

Due to the pandemic, most of the event have been postponed or transferred to an online modality. Therefore, the project has attended events in various formats: online, in-person, and hybrid.

The Final Event of the project will be held through a conference where results will be explained. Moreover, in this final conference, the replication strategy beyond FLEXIGRID project and the real expectations concerning the new developed technologies and value chains will also be explained.

Synergies with other EU funded projects and initiatives were exploited to increase the outreach of potential stakeholders, organize joint events, exchange knowledge, experience and best practices, and stimulate discussions among key players, the scientific and industrial community.

Below is a table with specifics on the events that the partners have been present.

PARTNER	DISSEMINATION ACTIVITY	TITLE	DATE	LINK (IF APPLICABLE)	STAKEHOLDERS REACHED
IOSA	Take part in a event (conference, stand...)	Project presentation during the meeting with President of Hellenic Hotel Federation organised by the Greek National Tourist Organization at WTM 2019 LONDON	04/11/2019	-	7
IOSA	Take part in a event (conference, stand...)	Steering Committee Meeting organised by Greek Chamber of Hotels in Athens	22/11/2019	-	25
IOSA	Take part in a event (conference, stand...)	General Assembly organised by Kavala Hotel Association in Kavala	21/01/2020	-	7-
CIRCE	Take part in a event (conference, stand...)	The project presents at the annual meeting of BRIDGE H2020 organised by the European Commission	02/02/2020	-	5-
IOSA	Take part in a event (conference, stand...)	Meeting with General Secretary GNTTO organised by Greek National Tourist Organization in TEL AVIV ISRAEL	13/02/2020	-	-
IOSA	Take part in a event (conference, stand...)	Meeting with Director of GNTTO Office Romania organised by Greek National Tourist Organization at ROMANIAN TOURISM FAIR	20/02/2020	-	-

CIRCE	Take part in a event (conference, stand...)	The FLEXIGRID project has contributed to strengthen the scientific collaboration between EU and Brazil through its participation in the conference 'Fostering STI twinning activities between EU and Brazil',	22/05/2020	https://confap.org.br/news/cientistas-e-autoridades-se-reunem-em-conferencia-online-e-reforcam-a-cooperacao-cientifica-entre-brasil-e-uniao-europeia/	150
CIRCE	Take part in a event (conference, stand...)	Presentation the project at Brazil - EU Cooperation in Research and Innovation	22/05/2020	-	-
UNIZG-FER	Take part in a event (conference, stand...)	Presented FLEXIGRID in the Interreg PROSPECT2030 project workshop.	17/12/2020	https://www.interreg-central.eu/Content.Node/PROSPECT2030/PPL-sessions-schedule.html	160
VERD	Dissemination activities with stakeholders	Bilateral conversation with the Greek municipality of Kifissia - we communicated FLEXIGRID project to them and engaged them to participate in the european commission event as external stakeholders	16/03/2021	-	-
VERD	Take part in a event (conference, stand...)	Participated in the stakeholders + european commission event (online) to present the Greek demo site	26/03/2021	-	-
UNICAN	Take part in a event (conference, stand...)	Participated in the stakeholders + european commission event (online) to present the Spanish demo site	26/03/2021	-	-
VIESGO	Take part in a event (conference, stand...)	Participated in the stakeholders + european commission event (online) to present the Spanish demo site	26/03/2021	http://www.flexigrid-h2020.eu/more-than-50-experts-in-smart-grids-gather-at-a-stakeholder-event-organized-by-flexigrid/	50

HYPERTCH	Take part in a event (conference, stand...)	Participated in the stakeholders + european commission event (online) to present the Greek demo site	26/03/2021	http://www.flexigrid-h2020.eu/more-than-50-experts-in-smart-grids-gather-at-a-stakeholder-event-organized-by-flexigrid/	50
IOSA	Take part in a event (conference, stand...)	Meeting with the Municipality of Kavala, we communicate Flexigrid project and encourage them to participate in future actions	14/04/2021	-	-
IOSA	Take part in a event (conference, stand...)	Meeting with the Municipality of Naoussa and its tourism sector, we communicate Flexigrid project and encourage them to participate in future actions	20/05/2021	-	-
UNIZG-FER	Using FLEXIGRID presentation at events	FLEXIGRID RRI event organised by UNIZG-FER within T2.4	26/05/2021	http://www.flexigrid-h2020.eu/flexigrid-virtual-panel	42
HEP-ODS	Take part in a event (conference, stand...)	FLEXIGRID RRI event organised by UNIZG-FER and HEP-ODS within T2.4	26/05/2021	http://www.flexigrid-h2020.eu/flexigrid-virtual-panel	42
UNICAN + others partners	Take part in a event (conference, stand...)	Participated in POWERTECH 2021 to present the Spanish demo site	29/06/2021	https://www.powertech2021.com/index.php/program-powertech/	-
UNICAN	Take part in a event (conference, stand...)	FLEXIGRID RRI event organised by VERD and IOSA for T2.4 in Greece	08/10/2021	-	-
CIRCE	Take part in a event (conference, stand...)	Responsible Research and Innovation by University of Cantabria	21/10/2021	-	-
VERD	Take part in a event (conference, stand...)	Participated in the European Researchers Night	27/11/2021	-	-

UNIZG-FER	Take part in a event (conference, stand...)	Green Arena "Domaća visokotehnološka digitalna rješenja za podršku energetske tranziciji" (eng. National high-end technological solutions as a support to energy transition)	15/02/2022	-	66
UNIZG-FER	Take part in a event (conference, stand...)	Domaća visokotehnološka digitalna rješenja za podršku energetske tranziciji (Domestic highly technological solutions in support of energy transition)	15/02/2022	-	73
UNIZG-FER	Take part in a event (conference, stand...)	Policy Lab Energetske zajednice su u zakonu. Što to znači u praksi? (Policy Lab - Energy communities are in law. What does it mean in practice?)	17/02/2022	-	20
UNIZG-FER	Take part in a event (conference, stand...)	Geek talk - Share your extra energy! at Good Energy Festival	06/05/2022	-	45
UNIZG-FER	Take part in a event (conference, stand...)	MIPRO conference (education and promotion activities for system operators and industry stakeholders)	24/05/2022	-	50
UNIZG-FER	Take part in a event (conference, stand...)	STRIDE project dissemination event	11/05/2022 - 12/05/2022	-	20-30
UNIZG-FER	Take part in a event (conference, stand...)	MIPRO conference	24/05/2022	-	50
VERD	Take part in a event (conference, stand...)	ESPON -Malta event on sustainable tourism. Presentation of the Greek demo site	30/05/2022	-	-
VERD	Take part in a event (conference, stand...)	ESPON -Malta event on sustainable tourism. Presentation of the Greek demo site	30/05/2022	https://www.espon.eu/espon-malta-event-sustainable-tourism	68

VERD	Take part in a event (conference, stand...)	ESPON -Malta event on sustainable tourism. Presentation of the Greek demo site	30/05/2022	https://www.espon.eu/espon-malta-event-sustainable-tourism	68
UNIZG-FER	Take part in a event (conference, stand...)	CIREP Porto Workshop 2022: E-mobility and power distribution systems	03/06/2022	https://zenodo.org/record/6957203#.YupIH3ZByUk	-
OP&A	Take part in a event (conference, stand...)	CIREP Porto Workshop 2022: E-mobility and power distribution systems	03/06/2022	https://zenodo.org/record/6957203#.YupIH3ZByUk	300
OP&A	Take part in a event (conference, stand...)	CIREP Porto Workshop 2022: E-mobility and power distribution systems	03/06/2022	https://zenodo.org/record/6957203#.YupIH3ZByUk	-
VERD	Take part in a event (conference, stand...)	Workshop on Flexibility use-cases for decarbonising the energy mix of geographical islands	15/06/2022	https://www.youtube.com/watch?v=RM3Uft5o	-
VERD	Take part in a event (conference, stand...)	Workshop on system architecture and interoperability to achieve grid flexibility on islands	29/06/2022	https://www.youtube.com/watch?v=aa6eocWAiLw	-
HEP-ODS	Take part in a event (conference, stand...)	Days of the electrical engineer 2022	29/09/2022	-	800 attendees and 200 speakers
UNIZG-FER	Take part in a event (conference, stand...)	Final presentation of gENESiS project	31/10/2022	https://zenodo.org/record/6957203#.YupIH3ZByUk	-
HEP-ODS	Take part in a event (conference, stand...)	Symposium on power system management	06/11/2022	-	40
CIRCE	Take part in a event (conference, stand...)	ENLIT Europe Frankfurt (Germany)	29/11/2022 -01/12/22	-	-
HYPERTCH	Take part in a event (conference, stand...)	ENLIT Europe Frankfurt (Germany)	29/11/2022 -01/12/22	-	-

CAP	Take part in a event (conference, stand...)	ENLIT Europe Frankfurt (Germany)	29/11/2022 -01/12/22	-	-
VERD	Take part in a event (conference, stand...)	Platone 2nd ES-1 Projects Coordination Workshop 3 minutes pitch "What steps did you take, and which ones are needed next to overcome the challenges faced by your project"	06/12/2022	-	30
CIRCE	Take part in a event (conference, stand...)	Presentation of a paper at Redes Inteligentes event organized by FUTURED (Madrid, Spain)	14/12/2022	-	-
UNIZG-FER	Take part in a event (conference, stand...)	2nd NEW ENERGIES DAYS in Zagreb	18/04/2023	https://belmet97.hr/2-dani-novih-energija/	60
UNIZG-FER	Take part in a event (conference, stand...)	HO CIRED Conference in Trogir	04/06/2023	https://www.ho-cired.hr/en/	20
UNIZG-FER	Take part in a event (conference, stand...)	8th CIRED Croatian National Committee	4/6/2023- 6/6/2023	-	100
CAP	Take part in a event (conference, stand...)	Innogrid digital presentation	09/06/2023	-	-
CAP	Take part in a event (conference, stand...)	InnoGrid stand and physical conference	09/06/2023	-	-
CIRCE	Take part in a event (conference, stand...)	Innogrid project presentation	09/06/2023	-	-
UNIZG-FER	Take part in a event (conference, stand...)	Collective active customers workshop in Karlovac	13/06/2023	-	40

Table 6. FLEXIGRID related events

3.6. Synergies with BRIDGE

FLEXIGRID project made connections and had communication with other EU projects related to smart grids that are participating in BRIDGE, creating synergy with these projects, establishing cluster participation in events and publications, and promoting the potential of the project through dissemination activities.

During the first project period, FLEXIGRID has been presented at a BRIDGE physical event held in Brussels in 2020 by Samuel Borroy from CIRCE, where synergies and interaction with other projects of the same theme are guaranteed. A description of the project, including technical information, was also published in the official BRIDGE brochure, issued in June 2020.

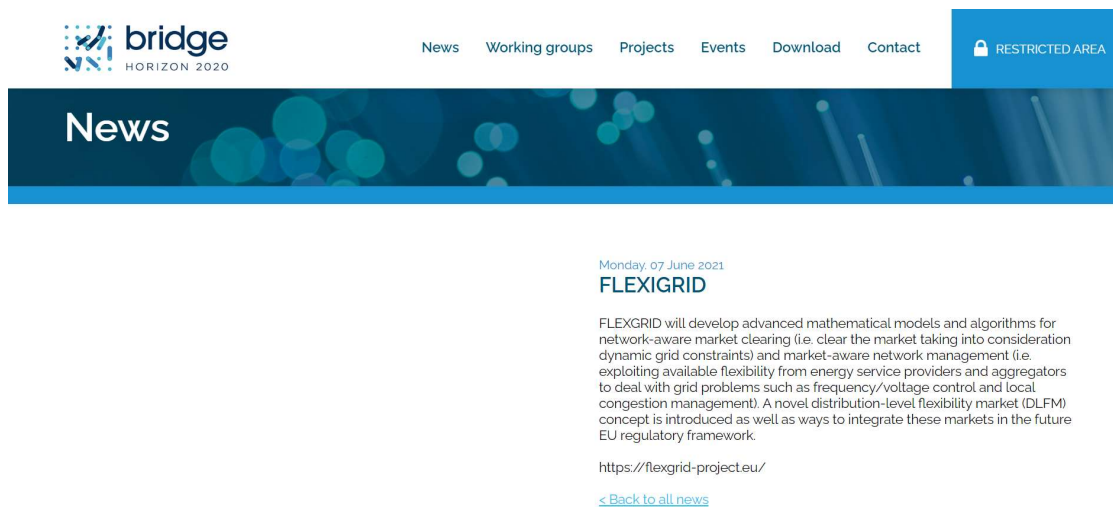


Figure 8. FLEXIGRID information on BRIDGE's website June 2021

Over the following periods, meetings and activities with BRIDGE participants, and members of the Working Groups and Task Forces, were scheduled. We understood where the project had the opportunity to provide relevant inputs to the thematic and create synergy with other projects. The next steps were focused on building strong connections between projects and sharing information. Summary of synergies with BRIDGE are collected in D9.11.

Engaging in BRIDGE events enabled the FLEXIGRID project to establish collaborations with other ongoing H2020 projects and become a part of a broader consortium network. A key event for FLEXIGRID has been ENLIT Europe, which we have participated in every year. This platform has enabled us to showcase the project to a wider audience and establish or strengthen connections with other European projects.

4. DISSEMINATION AND COMMUNICATION MATERIALS

To ensure the correct dissemination and communication of the project, various materials have been developed:

- Poster
- Templates
- Designs
- Roll Up
- Flipbook
- Leaflet
- Videos

Each of these materials is thoroughly developed in D9.6 and D9.7.

4.1. Roll-Up

At the beginning of the project, a roll-up was created as a visual attraction for the fairs and events we would be attending but never were printed. It was used in a virtual event. The style was simple, its role was to provide visual support. However, we have found the need to create an updated roll-up with project results when we started to have more information.

For the last external event that the project was presented, CAPENERGIES created a roll up adapted to the stakeholders that we wanted to reach.

More information about the roll ups is available in D9.8.



Figure 9. Roll Ups of the project

4.2. Flipbook

A flipbook created mainly as a support resource for fairs and events. It has information about the project and its results. It helps us to highlight and transmit the results in a more visual, effective, and lasting way (it stays in the cell phones of those who have opened it).



Figure 10. FLEXI:GRID flipbook

Online access to the full document through this QR or link
<https://shimmering-palmier-a1e395.netlify.app>



4.1. Leaflet

Two dissemination materials similar to a leaflet were released. The first one with a general presentation of the project and the last one explaining the challenges in the markets, the impact of the project and the lessons learnt.



Figure 11. Leaflets

4.2. Video

Two years ago, a [project presentation video](#) that provided context and discussed its development and progress was produced. This video was uploaded to the project coordinator's YouTube platform and was disseminated with the assistance of the rest of the partners.

The Final video of the project has been published. It is a final compilation video that showcase the project's results and its market potential. It is available in YouTube and in the project website.

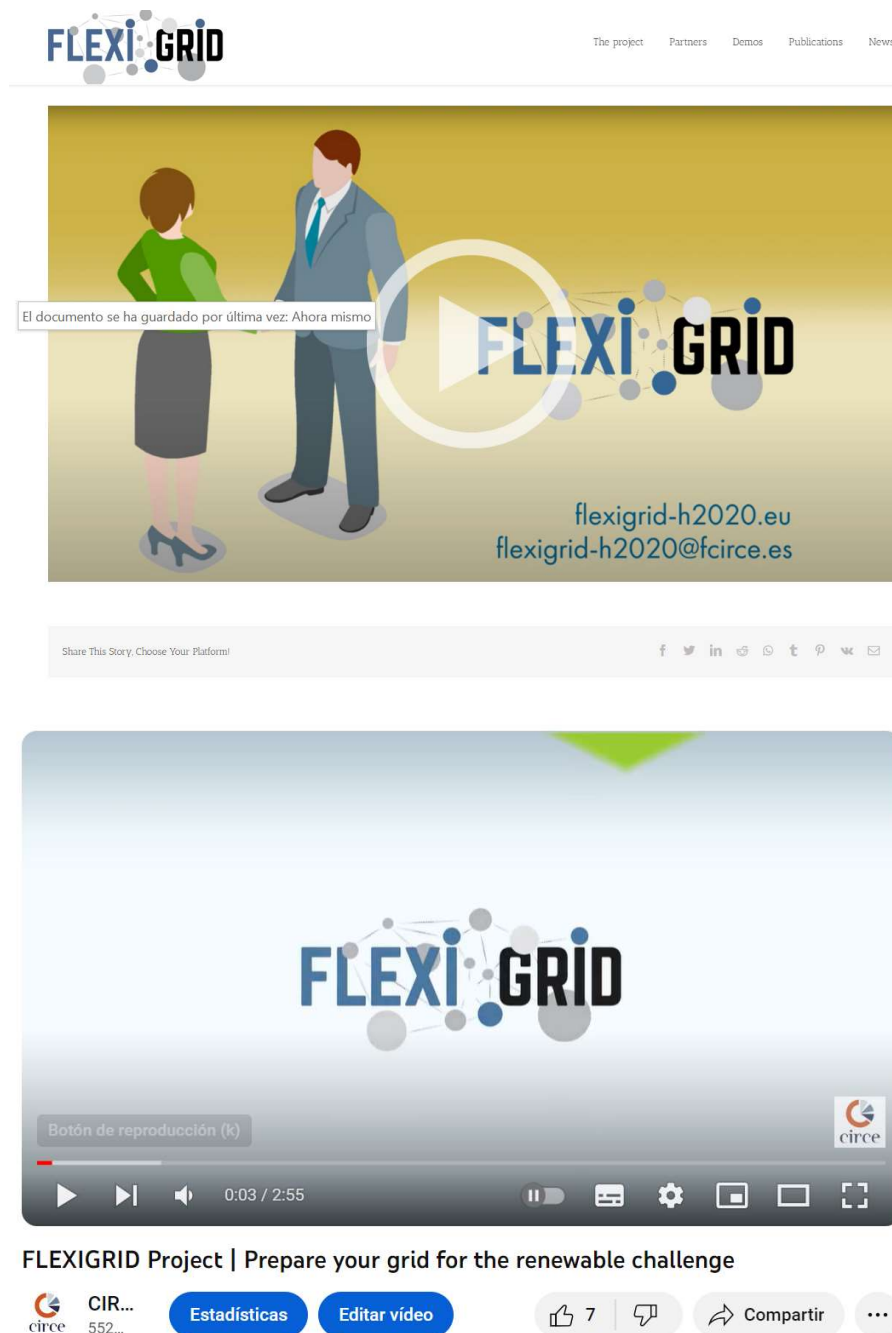


Figure 12. First project video

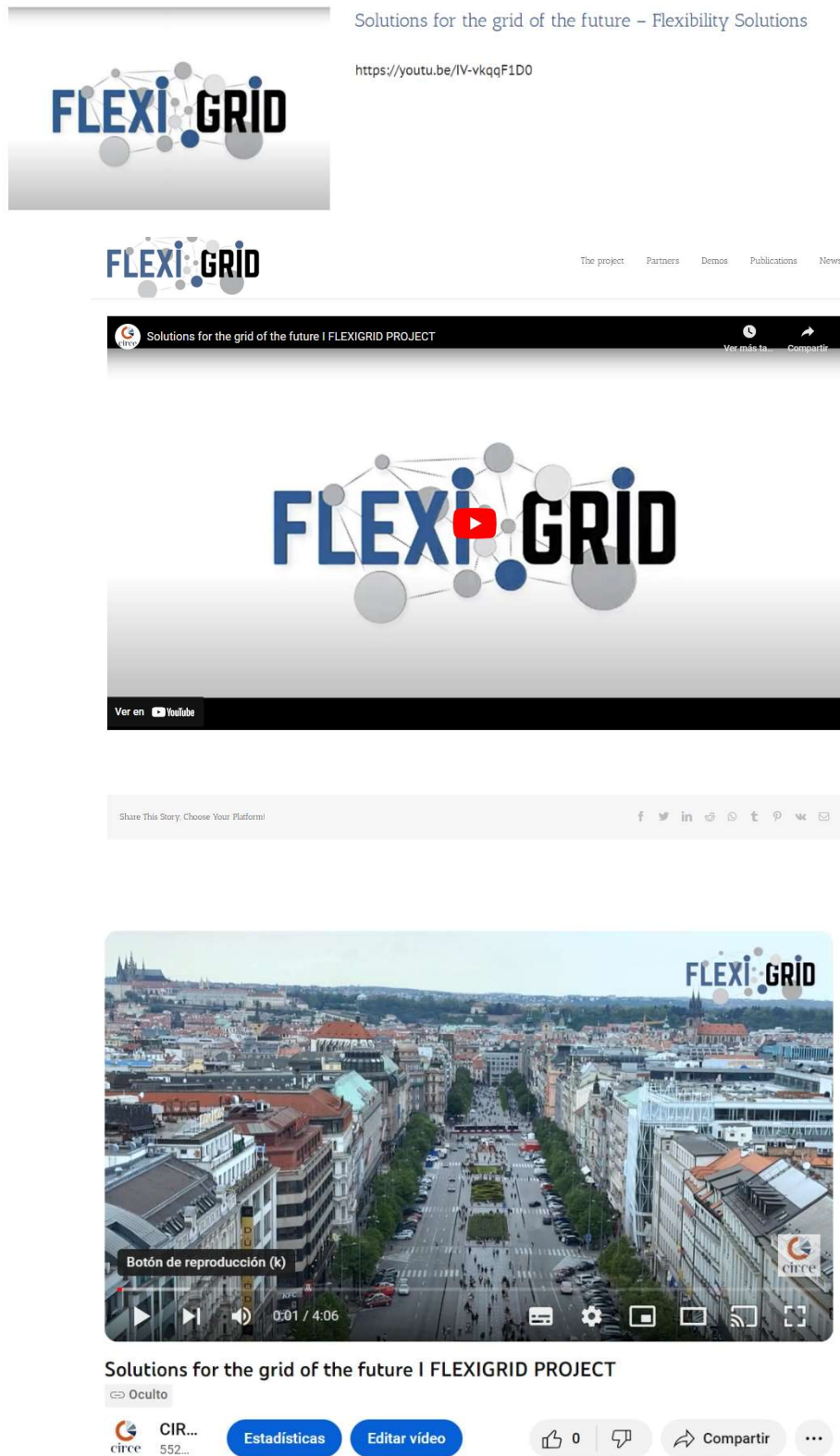


Figure 13. Final video

5. NEXT STEPS

Following the project's completion, the website will remain active for the next 2 years. Therefore, CIRCE will continue to work on its maintenance, optimization, and monitoring. Furthermore, any necessary updates and changes will be implemented. As the case of the upcoming public deliverables.

6. CONCLUSIONS

The final report on Dissemination and Communication presented the actions taken in FLEXIGRID to increase the visibility and communicate the impact of the project outputs within the consortium and to external audiences.

The project partners have promoted FLEXIGRID through several channels:

- Website
- Social media
- Web and press articles and interviews
- Scientific/conference papers and posters
- Press kit
- EU and local events, conferences, and panels
- Webinars
- Interaction with BRIDGE initiative

Demonstration events and four workshops took place onwards, once sanitary restrictions had been lifted, with one event held in each of the cities where demonstrators were located. The objective was to disseminate the project results, engage stakeholders, and establish strong connections with relevant platforms, networks, associations, and other related projects. Additionally, key partners presented the project at a minimum of two national and European events.

Now that we went over the final stage of the project and have clear results from the work done, we made a significant commitment to the event and the final video as key components in the communication and dissemination of the outcomes. Both were entirely focused on conveying the project's learnings and the real utility of the proposed solutions for various stakeholders. Therefore, both have a more 'commercial' approach (understood as an approach more focused on problem-solution to reach the target audience) rather than being purely informative about the project's activities.

7. ANNEX. Images of the dissemination and communication activities

7.1. Website

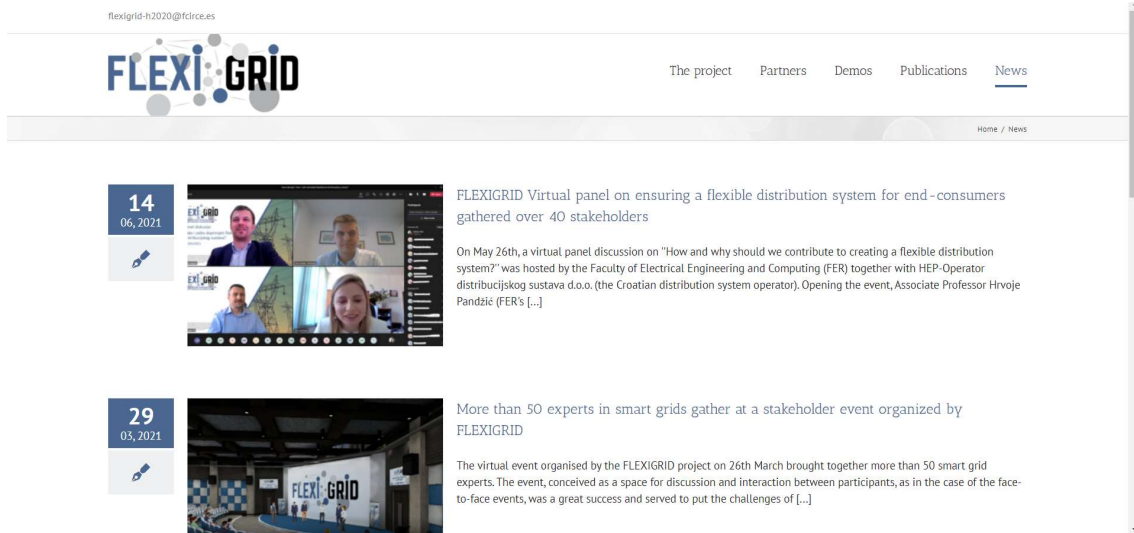


Figure 19. News page on FLEXI:GRID website

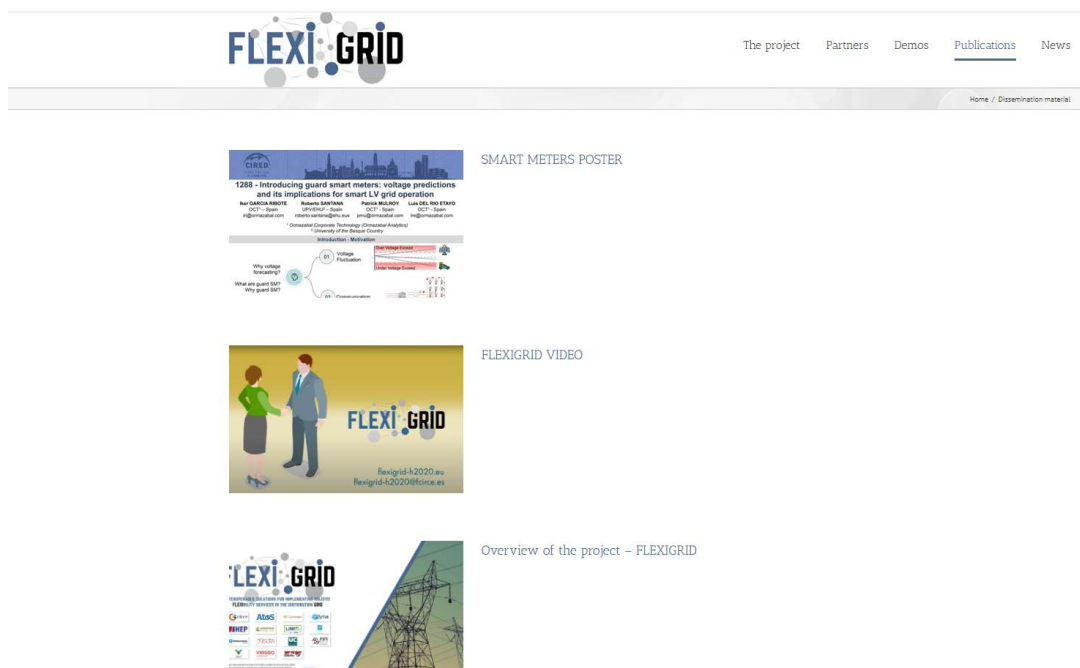


Figure 14. Public dissemination materials



Figure 15. FLEXIGRID project information on CIRCE's website

7.2. Presentation of objectives and impacts

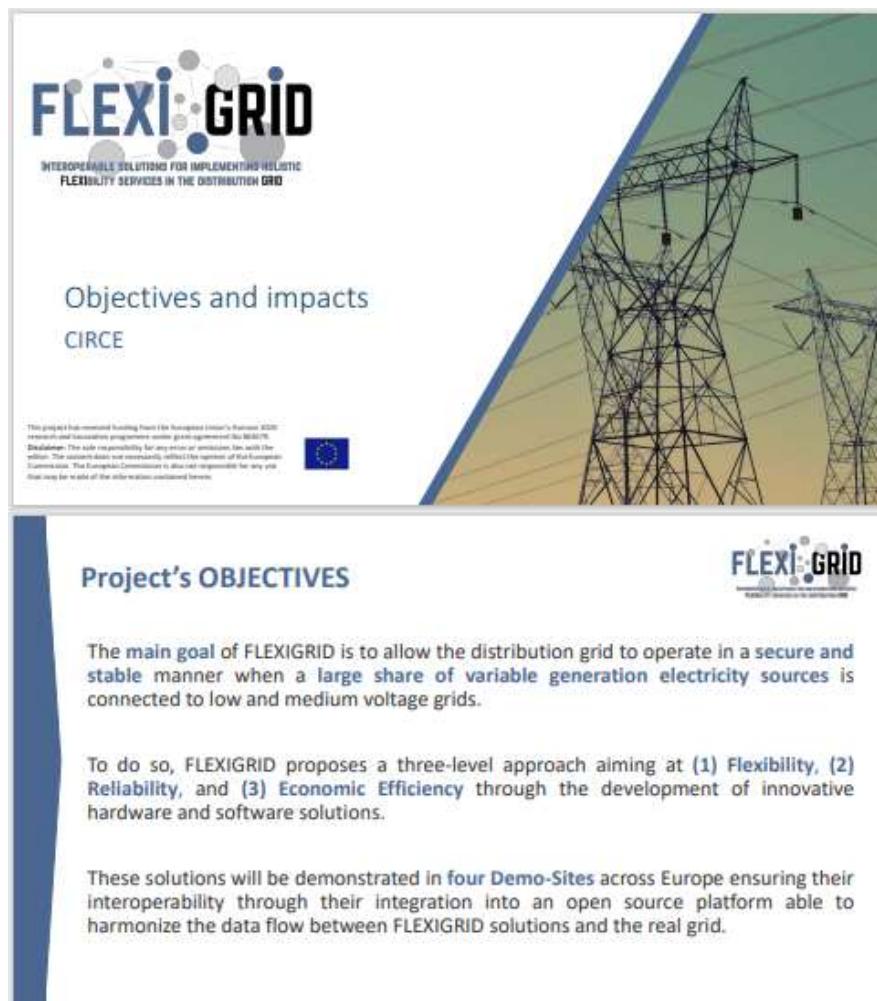




Figure 16. FLEXIGRID's objectives and impacts presentation

7.3. Social Media

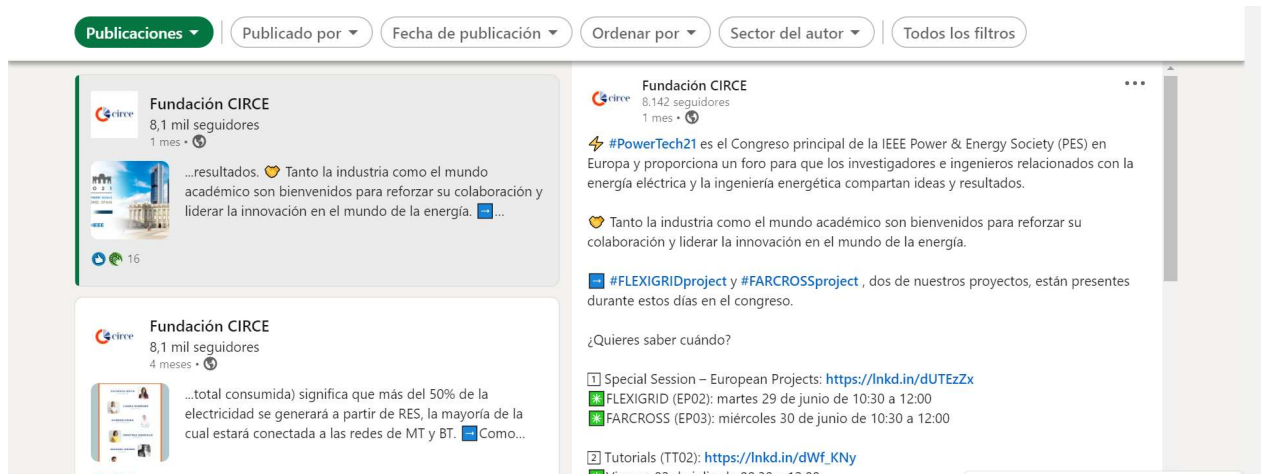


Figure 17. Posts on LinkedIn with FLEXIGRID's official hashtags



Figure 18. Posts on Twitter with FLEXIGRID's official hashtags



Figure 19. FLEXIGRID posts on Facebook

7.4. Press



Figure 20. Digital press release

FLEXIGRID

Preparing the electricity grid for the increase in renewable generation

Making the grid more flexible, reliable and cost-efficient through the development of innovative solutions. This is the objective of FLEXIGRID European Project, led by the technology centre CIRCE from Spain and 8 million funded by the European Commission.

The project is putting into practice new tools to allow the distribution grid to operate in a secure and stable manner when a large share of variable renewable electricity sources is connected to low and medium voltage grids.

Concretely, the consortium of 16 partners that make up FLEXIGRID are working on the development of innovative hardware and software solutions to improve the power system flexibility by enhancing the grid hosting capacity of renewables; to increase the observability, controllability and automation of the network systems for the improvement of both the security and resilience of the grid; to mitigate short-term and long-term congestions in the distributed grid from an economically efficient point of view; and to ensure the interoperability and compatibility of the developed solutions with different platforms used by European DSOs.

To achieve these goals, FLEXIGRID is developing four hardware solutions, including the design of transformer substations of the future, a new generation of smart meters, new grid protection devices and a multi-function Edge-computing platform capable of controlling grid assets called Energy Box. In addition, the project is developing four additional software modules



addressing fault location, self-healing, forecasting, operation and congestion management of the grid, and optimisation of thermal energy storage. Finally, a common platform including all the necessary protocols and standards to integrate the mentioned solutions with the DSOs platforms is being developed.

In order to ensure the effectiveness of these solutions, FLEXIGRID is implementing them in eight use cases which are being demonstrated in four demo-sites: a rural and peri-urban network in the Spanish grid, a hotel in the Greek Island of Thassos; an urban grid in the city of Zagreb accounting congested areas and an isolated valley in the South-Iyrol region of Italy with more than 50% of hydroelectric energy.

Moreover, the project will help to

identify and analysing, through constant monitoring of the legislation, the obstacles to innovation under the current local and European regulatory framework. Last but not least, FLEXIGRID partners wish to raise awareness among citizens and other relevant stakeholders on the transition towards a low carbon economy, considering them as active players within the energy system.

The main impacts expected as a consequence of the implementation of the solutions developed and tested in FLEXIGRID Project are improvements in stability and flexibility of distribution networks; renewable energies curtailments decreasing; reduction of reinforcements required in the grids; increase in capabilities to manage future energy loads and CO₂ emission savings. ●

www.europeanenergyinnovation.eu

Figure 21. Communication of FLEXIGRID on the European Energy Innovation website



Funded by the Horizon 2020
Framework Programme of the
European Union



13 November 2019, Brussels

PRESS RELEASE

Flexigrid:

Interoperable solutions for implementing flexibility services in the distribution grid.

In order to reach the Paris Agreement objectives and achieve a more sustainable energy system, the EU is aiming at increasing up to at least 32% the share of renewables in energy consumption. At this purpose FLEXIGRID project will develop a set of solutions to address, under a cost-efficient basis, the challenges for reliability, stability and security of supply that the electricity grid is expected to face as a result of the increasing share of variable renewables in the energy system.

Last 30th and 31st October, Zaragoza (Spain) hosted the kick off meeting of FLEXIGRID, an innovation action project funded by EU's Horizon 2020, which brings together a consortium of 16 partners, led by CIRCE, representing the whole energy value chain. Two RTOs (CIRCE and LINKS) and two universities (UNICAN and UNIZG-FER) will work together with five technology providers, counting three large companies (ATOS, ORMAZABAL and ZIV) and two SMEs (HYPERTECH and SELTA) to develop innovative solutions and deploy them in four demo sites, represented by three DSOs (VIESGO, HEP-ODS, EDYNA) and two large companies (VERD, IOSA). Finally, two associations (CAP and CEDEC) will ensure the exploitation and dissemination of the project results within the European energy community. FLEXIGRID will last 48 months and has allocated a total budget of 8.54 Million Euros.

The project aims at putting into practice new tools to allow the distribution grid to operate in a secure and stable manner when a large share of variable renewable electricity sources is connected to low and medium voltage grids. Concretely, through the development of innovative hardware and software to **improve the power system flexibility** by enhancing the grid hosting capacity of renewables

- to **increase the observability, controllability and automation** of the network systems for the improvement of both the **security and resilience** of the grid
- to **mitigate short-term and long-term congestions** in the distributed grid from an economically efficient point of view
- and to **ensure the interoperability and compatibility** of the developed solutions with different platforms used by European DSOs.

These solutions will be implemented in eight use cases which will be demonstrated in four demo-sites: a rural and peri-urban network in the Spanish grid, a hotel in the Greek Island of Thassos; an urban grid in the city of Zagreb accounting congested areas and an isolated valley in the South-Tyrol region of Italy with more than 50% of hydroelectric energy. Moreover, the project will help identifying and analysing, through a constant monitoring of the legislation, the obstacles to innovation under the current local and European regulatory framework. Last but not least, FLEXIGRID partners wish to raise awareness among citizens and other relevant stakeholders on the transition towards a low carbon economy, considering them as active players within the energy system.

The ultimate goal of the FLEXIGRID project is to develop new innovative, scalable and cost-efficient solutions to contribute to the reduction of CO₂ emissions and to the 2030 EU climate objectives.



Figure 22. Press release for CEDEC, the European Federation of Local Energy Companies



Figure 23. Own press release for ATOS website

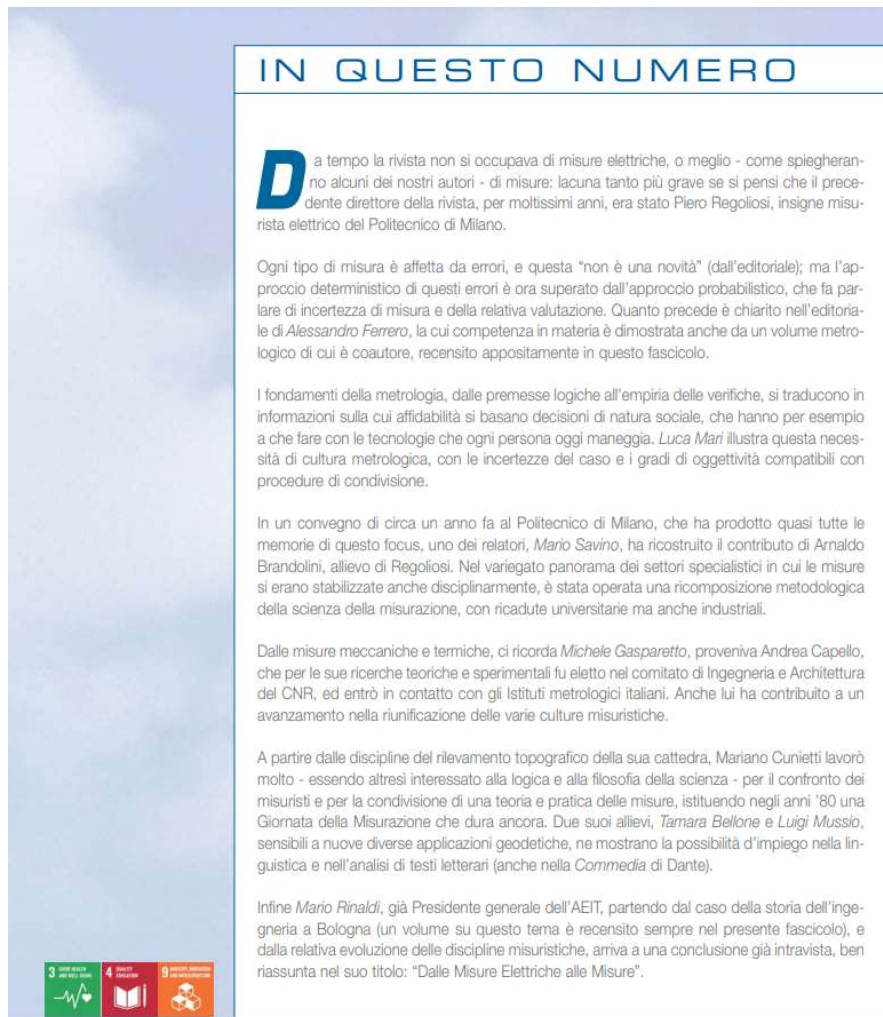
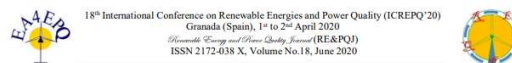


Figure 24. Press release presenting the Italian Pilot

7.5. Scientific publications



A comparative between IEEE and EN in the transformer derating when supplying nonsinusoidal load current. A practical case.

A. Laso¹, R. Martínez^{1*}, M. Manana¹, D. Cervero² and J.A. Sáez³

¹ Advanced Electro-Energetic Technologies Group
Department of Electrical and Energy Engineering
University of Cantabria
Av. Los Castros, 39005 Santander (Spain)
e-mail: martinezr@unican.es

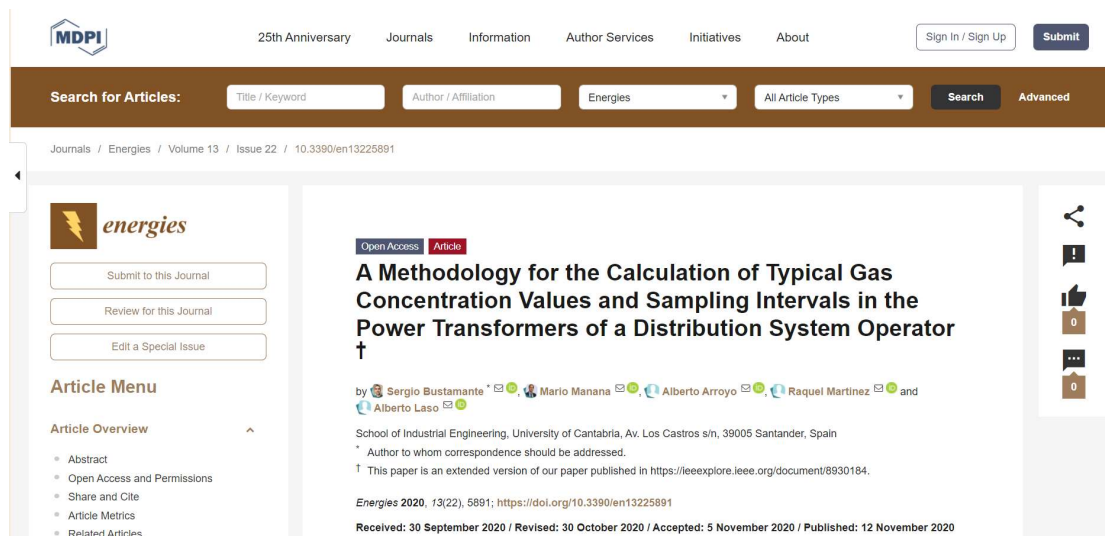
² CIRCE Foundation
Parque Empresarial Dinamiza, Ave. Ranillas 3D, 1st Floor
50018 Zaragoza (Spain)
Phone number: +0034 976 976 859

³ Viesgo Distribución Eléctrica S.L.
C/Isabel Torres, 25
39011 Santander (Spain)

Abstract. Nowadays, power quality is a challenge for the distribution companies since the new energy policies are directed to a distributed generation system with power electronic based technologies. The reduction of distribution transformers capability when supplying nonsinusoidal load currents has a major impact within capacity reduction in distribution networks produced by technical losses. IEEE Std C57.110-2018, EN- 50464-3 and EN-50541-2 define procedures to derate transformers when supplying nonsinusoidal load currents. The aim of this paper is to compare these procedures through a real case distribution transformer that suffers problems due to high levels of current distortion.

Key words. Distribution transformer derating, current harmonics, harmonic loss factor, k-factor, nonsinusoidal load currents.

these transformers operate with nonsinusoidal currents, for which are not designed. These nonsinusoidal currents are mainly produced by harmonics. The impact of these harmonics in distribution transformer is very important since increases the losses in the transformers rising their temperature. The losses of a transformer are divided into Joule losses, Eddy-current losses and stray losses. These losses and the type of cooling system will determine the temperature reached by the transformer. In distribution transformer managing nonsinusoidal currents, Eddy-current losses will increase, producing an additional temperature rise. If this temperature achieve values above operation maximum temperature of the transformer, the thermal protection devices will trip and the life expectancy will be reduced.




The screenshot shows the MDPI Energies journal article page. The article title is "A Methodology for the Calculation of Typical Gas Concentration Values and Sampling Intervals in the Power Transformers of a Distribution System Operator". The authors listed are Sergio Bustamante, Mario Manana, Alberto Arroyo, and Raquel Martínez. The article is published in Energies 2020, 13(22), 5891. The page includes a search bar, a sidebar with article menu options (Abstract, Open Access and Permissions, Share and Cite, Article Metrics, Related Articles), and a right sidebar with social media sharing icons and a citation count.

A novel holistic energy management system incorporating PV generation and battery storage for commercial customers

[Cite](#) [Download \(882.41 kB\)](#) [Share](#) [Embed](#)

Preprint posted on 2023-07-10, 09:48 authored by [Marily Efstratiadi](#), [Sotiris Tsakanikas](#), [Panagiotis Papadopoulos](#), [Diego Salinas](#)

USAGE METRICS 

287 views	63 downloads	0 citations
-----------	--------------	-------------

CATEGORIES

- Power, Energy and Industry Applications

KEYWORDS


Energy ISLANDING-DETECTION

Power supplies Demand Response

Batteries Energy storage

Optimisation Scheduling

LICENCE

 CC BY 4.0

EXPORTS

Select an option ▼

FUNDING

Interoperable solutions for implementing holistic FLEXibility services in the distribution GRID

European Commission

[Find out more...](#)

HISTORY

- 2023-07-05 - Submission date
- 2023-07-10 - First online date, Posted date

Figure 25. Scientific publications of results developed in FLEXIGRID

7.6. Events

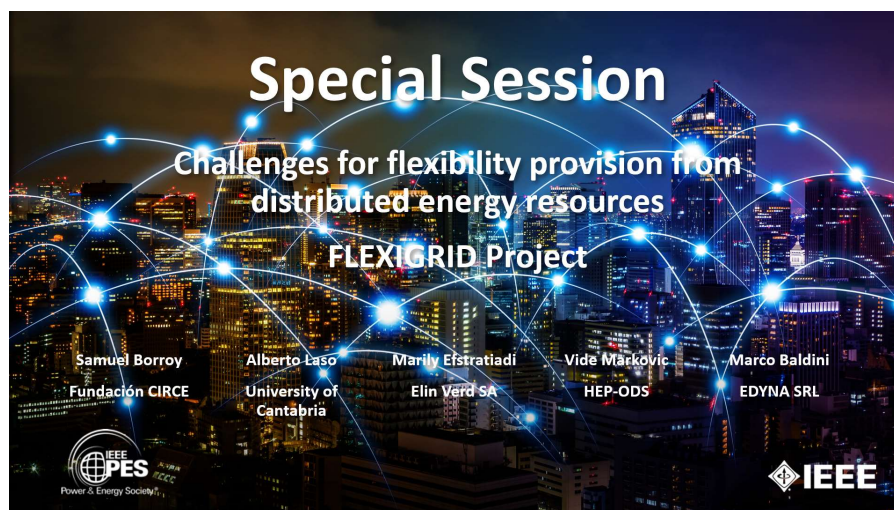


Figure 26. Special session for the IEEE Power & Energy Society where FLEXIGRID project was presented

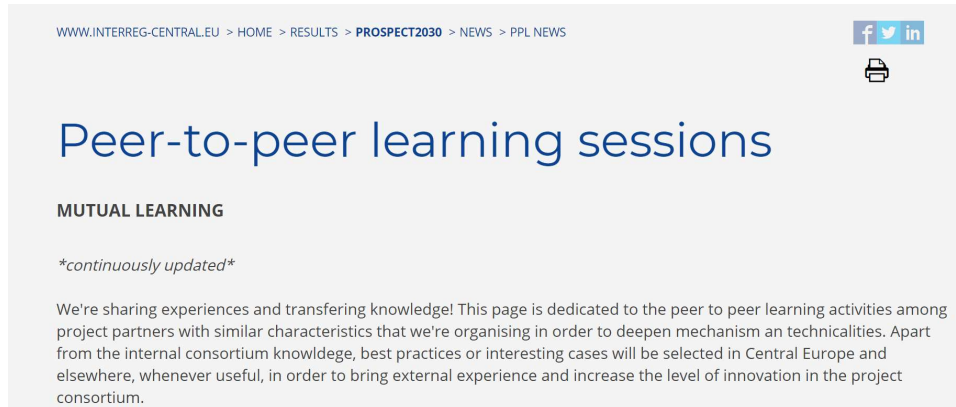


Figure 27. Information about Interregional PROSPECT2030 project workshop where FLEXIGRID was presented



9 December 2022 Europe/international



The CAPENERGIES EUROPE team participated from November 30 to December 1 to the ENLIT exhibition to present the FLEXIGRID project's flexibility solutions for the electricity grid. This project was put under the spotlight during a series of presentations on the European Projects HUB.

Coordinated by the CIRCE Foundation in Zaragoza, a renowned technology centre in the energy sector, the European project FLEXIGRID was selected as one of the eight exemplary projects

Figure 28. Enlit Europe 2023 event on photos, press release and social media content



Figure 29. Final technical workshop of the project gENESIS in 2022



Figure 30. Final Event