Innovation Action

inteGRIDy

integrated Smart GRID Cross-Functional Solutions for Optimized Synergetic Energy Distribution, Utilization & Storage Technologies

H2020 Grant Agreement Number: 731268

WP9 – Dissemination, Exploitation and inteGRIDy Outreach

D9.4 - Report on Dissemination & Communication Activities

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Disclaimer for deliverable D9.4 Report on Dissemination and Communication Activities

The dissemination and communication procedures that are here described follow the Atos methodology used in all H2020 projects coordinated by Atos Spain.

Executive Summary

The purpose of this deliverable is to present a report of the communications and dissemination activities that have been conducted within M19-M30 of the project's duration, with the aim of positioning the project among its stakeholders and the BRIDGE initiative and projects (e.g. Merlon). A comparative analysis of the metrics achieved and expected is presented as well to set the pace for future activities that must be developed to achieve all of the KPI's.

For a better understanding of the activities carried out, D9.4 has been structured into two main areas:

i. the dissemination and communication channels used to spread the voice on the projects achievements;
ii. and the formats used (including development of press releases, whitepapers, newsletters, new dissemination material, among others).

In relation to the dissemination and communication **channels**, the inteGRIDy consortium participated in a total of twenty-four (24) **events** in the field of the project (including the European Utility Week 2018, MedPower 2018, Smart Cities Congress 2019 or innoGRID 2019 conference), as well inteGRIDy partners organized two (2) **workshops** around the exploitation opportunities of inteGRIDy in London (UK), on one hand, and the goals and benefits of the Italian pilot in San Severino Merche, on the other hand.

Furthermore, the **website** has been updated to offer a user-friendly access to the pilots' descriptions. Moreover, the **social media accounts** aiming at engaging the web community as multipliers of the project knowledge increased the followers interested in the project results as well the number of posts published.

With regards to the dissemination and communication **formats**, a total of twelve (9) **papers**, one (1) **press release**, eight (8) **whitepapers**, one (1) **article** and one (1) **newsletter** have been produced in this period summarizing the project achievements for the inteGRIDy-targeted audience.

Moreover, a **tailored leaflet** for the pilot in the Isle of Wight has been created as well as a new version of the project poster has been released to be presented during the InnoGRID 2019 conference in May 2019.

Table of Contents

1. Introduction 7
1.1 Scope and objectives of the deliverable 7
1.2 Structure of the deliverable 7
1.3 Relation to Other Tasks and Deliverables 7
2. Dissemination and Communication channels 8
2.1 Project Website 8
2.1.1 Website Updates 8
2.1.2 Website statistics 9
2.2 Social Networks 11
2.2.1 Twitter 11
2.2.2 LinkedIn 11
2.3 Social Channels 12
2.3.1 Flickr 12
2.4 Events 12
2.4.1 inteGRIDy events 12
2.4.2 Participation in events 14
3. Dissemination and Communication formats 25
3.1 Leaflets 25
3.2 Posters 25
3.3 Newsletters 26
3.4 Press releases 26
3.5 Whitepapers 26
3.6 Articles in journals 27
3.7 Papers & scientific publications 29
3.8 Liaison activities with other projects and initiatives 31
4. Dissemination KPI achieved 32
5. Overview of dissemination channels and formats 33
6. Objectives for the next reporting period 34
7. Conclusions 35
8. References 36

Table of Figures

Figure 1: inteGRIDy website – Home page 9
Figure 2: Overall website statistics 10
Figure 3: Location of visitor's heat map 10
Figure 4: inteGRIDy Visitors' Acquisition 11
Figure 5: inteGRIDy Twitter statistics 11
Figure 6: inteGRIDy LinkedIn 12
Figure 7: Flickr visits 12
Figure 8. San Severino Marche experience 13
Figure 9. European Utility Week 23
Figure 10. Medpower 2018 23
Figure 11. 11th International Symposium on advanced topics in electrical engineering 23
Figure 12. Renewables Energy workshop 23
Figure 13. QSP Summit 24
Figure 14. INNOGRID 2019 24
Figure 15. Tailored material for IOW pilot 25
Figure 16. inteGRIDy newsletter 26
Figure 17. inteGRIDy article in Jornal Económico 28

Table of Tables

Table 1. List of events 22
Table 2. List of inteGRIDy whitepapers 27
Table 3. List of inteGRIDy publications 30
Table 4. inteGRIDy dissemination KPIs. 32
Table 5. Overview of dissemination channels and formats in inteGRIDy 33

List of Acronyms and Abbreviations

Term	Description
CA	Consortium Agreement
DCM	Dissemination & Communication Manager
DSO	Distribution system operators
DR	Demand Response
EC	European Commission
H2020	Horizon 2020
ICT	Information and Communication Technologies
IM	Innovation Manager
KPI	Key Performance Indicator
PC	Project Coordinator
RES	Renewable Energy Sources
WP	Work Package

1. Introduction

1.1 Scope and objectives of the deliverable

This main purpose of the document is to report the various activities that took place for task T9.1 during the reporting year of the project regarding the dissemination and communication of the inteGRIDy project.

This execution of the dissemination and communication activities has been based on the plans provided on deliverable D9.1 Plan for dissemination, exploitation & communication of results [INT17]. For this year of the project, these activities included publications, presentations, participation in exhibitions and workshops, production of whitepapers, a strong presence of the project in social media, an updated version of the project website, contacts with stakeholders, as well as networking with other projects and initiatives (including BRIDGE and Horizon 2020 projects).

1.2 Structure of the deliverable

The deliverable is based on the following structure, in order to present a comprehensive overview and analysis of the work performed within WP9:

- Chapter 1: Introduction, objectives and structure of the deliverable;
- Chapter 2: Dissemination and Communication channels, presents an overview of the activities done until M30 in relation to the project website, project social networks and channels and participation at events;
- Chapter 3: Dissemination and Communication formats provides details on the updates carried on the dissemination materials and the development of press releases and other type of written communications as the newsletter or the whitepapers;
- Chapter 4: Liaison activities with other projects and initiatives that refers to the clustering activities performed with the BRIDGE initiative and related projects.
- Chapter 5: Dissemination KPI achieved , which analyses the KPI's achieved in comparison to the expected in the Description of Action;
- Chapter 6: Overview of dissemination channels and formats, presents all information described in previous chapters summarised in a table that comprises the overall results of all dissemination and communications formats and channels for this second period (M19-M30);
- Chapter 7: Objectives for the next reporting period, that envisions the dissemination and communication activities to be carried in the last period of the inteGRIDy project;
- Chapter 8: Conclusions.

1.3 Relation to Other Tasks and Deliverables

The dissemination activities went in parallel to the rest of the project activities carried out. The partners must consider dissemination as an essential activity to maximise the project impact in the global audience. In this sense, the dissemination is related to all the activities carried out in the project.

The dissemination materials designed and the dissemination activities carried out must be coherent with the dissemination and communication plan defined in the D9.1 Plan for dissemination, exploitation & communication of results [INT17], with which this deliverable is intimately related.

2. Dissemination and Communication channels

The online presence of inteGRIDy is crucial for the dissemination of the project and its outcomes. Online presence is mostly provided by the project website and the social media, but not limited to that (webinars and other activities can be also labelled under this tag). The inteGRIDy website during the last year of the project acted mainly as the landing point for anyone interested in the project outcomes including, deliverables, publications, best practices, news and events and other dissemination material. The website also presents all project information like project objectives, mission and members. Social media have been also used to communicate the results of the project along a wider audience.

2.1 Project Website

2.1.1 Website Updates

The inteGRIDy website is the backbone of inteGRIDy dissemination and is also crucial for the business approach that inteGRIDy follows in order to attract potential customers.

The project's website consists of a public area where visitors will be able to acquire information regarding the project, download the project's publicly available resources (such as public deliverables, dissemination material and other informative documents or publications) and to find information about project-related topics.

Furthermore, the website has been refactored to better support the pilots during this stage of the inteGRIDy project. By clicking on the map of the Home page, the visitor is redirected to a page given detailed information about the selected pilot. Additionally, the News & Events sections has been also updated to offer the information a more attractive way.

The underlying platform is Drupal 8 (drupal.org/) which is free and open-source content management system (CMS), that allows easily organizing, managing and publishing content, with an endless variety of customization options. Drupal is a CMS created in Europe and now is one of the most used CMS for business and institutional websites. The European Commission makes extensive use of Drupal, with major investments and actively participating in the community of developers. [DRU19].

The current landing page of the project website is presented in Figure 1: inteGRIDy website – Home page.

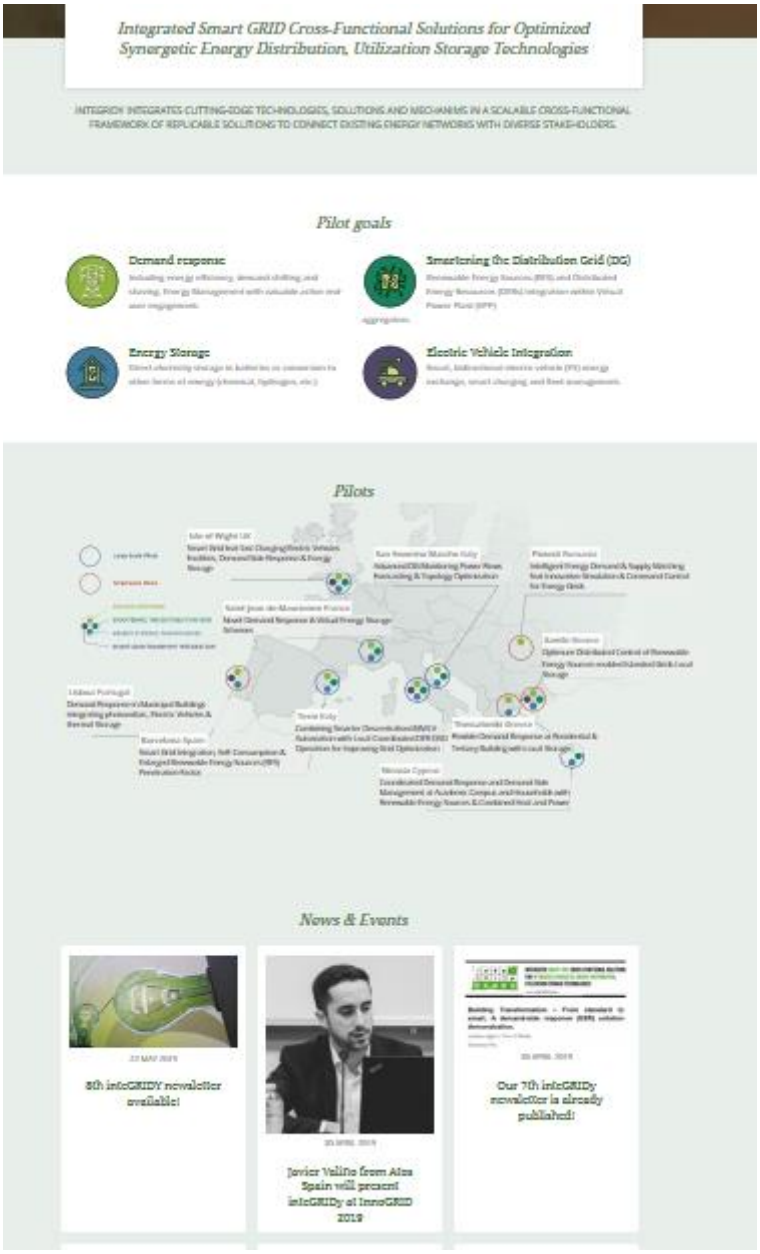

Figure 1: inteGRIDy website – Home page

2.1.2 Website statistics

The statistics regarding the visitors of the website are constantly recorded and stored, using the Google Analytics toolkit [GAN19] so that consortium members can have access to the history logs and are able to extract useful information about the website operation.

In order to evaluate the dissemination activities performed during the project, Chapter 4 of the present document will look at a set of success criteria established in order to estimate the impact of the dissemination actions. Within the scope of the inteGRIDy website, two criteria were taken into account while formulating these parameters: the number of visits and the average duration of these visits. This data is presented in the following figures.

From June 2018 until the time of this report, 4,374 people visited the inteGRIDy website with a total amount of 5,789 sessions and 19,341 pageviews. Moreover, 12% of the users are returning visitors. The average visit duration is 3:34 minutes.

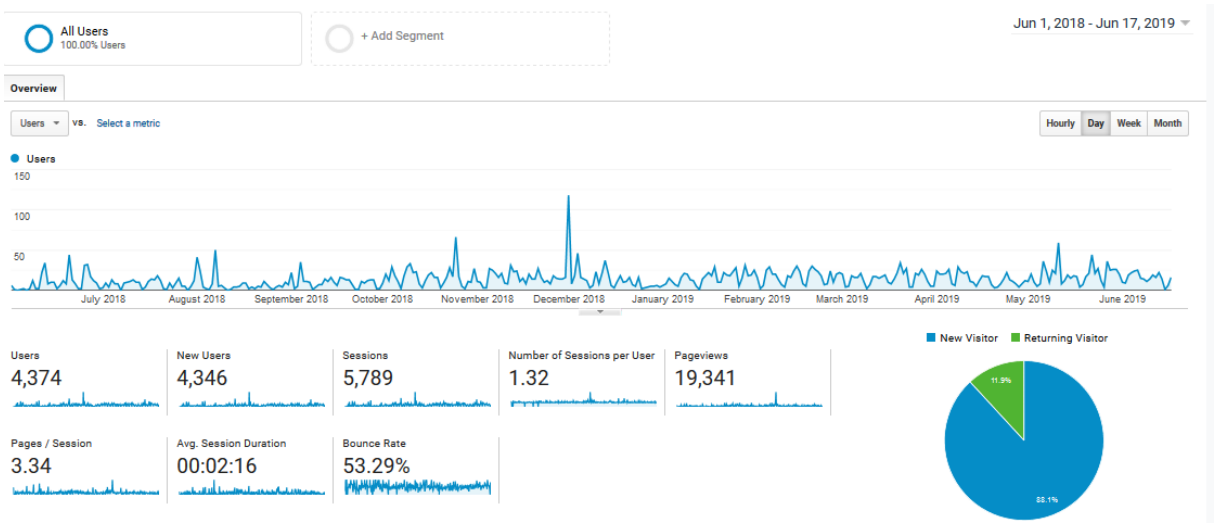

Figure 2: Overall website statistics

As reported in the previous period, Google Analytics also provides data regarding the geographical location of visitors. In the map shown the figure below the dark blue shows the countries where most of the visits come from, while the light blue represents the countries with the lowest number of visits.

Regarding the geographical orientation of visitors, first countries, in general, correspond to those in which there are partners in the projects. However, it should be noted that United States is in first place, which reflects the interest in the project outside of the European Union.

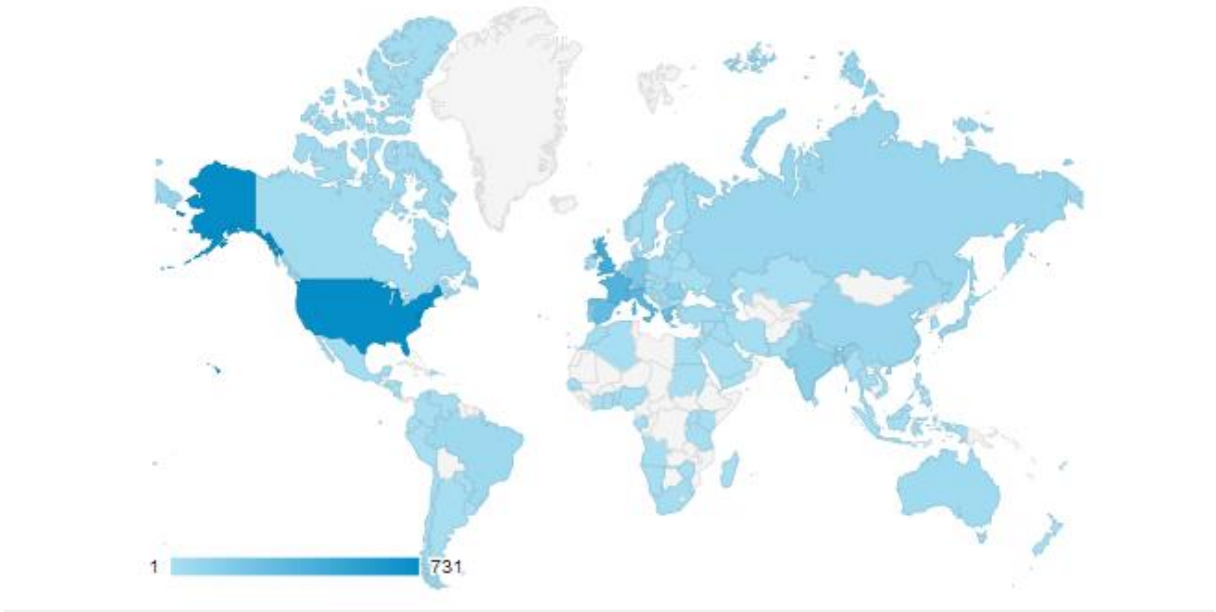

Figure 3: Location of visitor's heat map

With regards to the visit source, most of the inteGRIDy website visits come from the Google or other search engines (52%) or from direct entry (36%) or, although other sources were also used (e.g., smartcityinnovationlab.com, individual partners' websites, etc; and the project social networks).

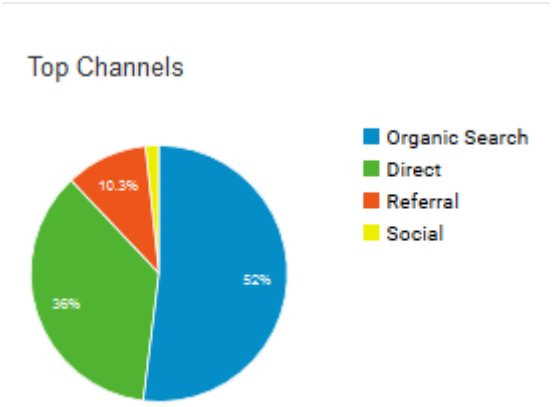

Figure 4: inteGRIDy Visitors' Acquisition

2.2 Social Networks

2.2.1 Twitter

Twitter is a website that offers a social networking and microblogging service, enabling its users to send and read messages called tweets. Since November 2016, the consortium created a Twitter account, inteGRIDy Twitter (@inteGRIDy_H2020). The goal of inteGRIDy Twitter page is to highlight project news and events, project activities and results, reaching a wide range of communities.

At the date of creation of this report, the twitter account of inteGRIDy had tweeted 389 times and achieved 610 followers, who at their majority have a significant number of followers of their own, resulting in a much broader indirect audience in case of a re-tweet by another user. Additionally, inteGRIDy has a total of 609 likes, as well as the inteGRIDy tweets earned 1,943 impressions over the last 28 days.

Figure 5: inteGRIDy Twitter statistics

2.2.2 LinkedIn

As of November 2018, the consortium created a LinkedIn group, available at the link https://www.linkedin.com/in/integridy-project-1008a8130/. LinkedIn is business-oriented social networking service supporting the formation of interest groups covering a wide range of topics. The aim of this group is to establish connection and communication as well as to foster discussion on project's output and results with the targeted stakeholders.

So far, 417 connections have been established at the time of writing this report, as well as each article receives an important number of recommendations.

Figure 6: inteGRIDy LinkedIn

2.3 Social Channels

2.3.1 Flickr

Currently, inteGRIDy Flickr account is made up of 4 different albums, registering different project events. The concrete number of visits per album is shown in the picture below.

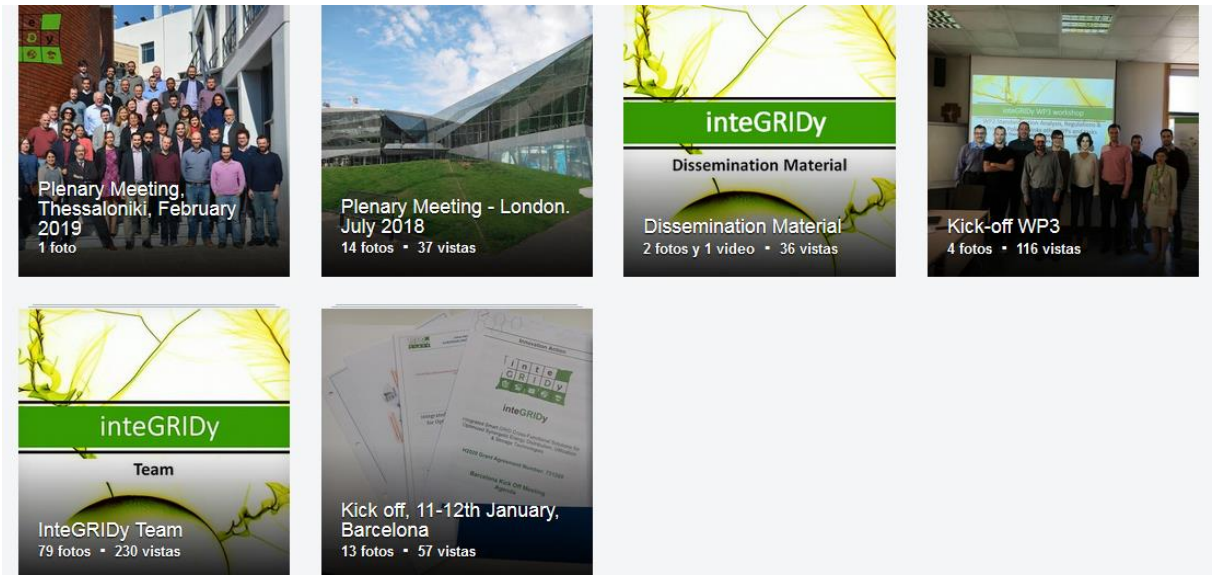

Figure 7: Flickr visits

2.4 Events

2.4.1 inteGRIDy events

On the 17th of November 2018, ASSEM in collaboration with UNE and POLIMI organized the workshop "***San Severino Marche experience - Current panorama and future perspectives on Storage systems technologies and Smart Grids***," in San Severino Marche with the purpose of presenting the role of the municipality in the inteGRIDy project and the expected outcomes of this pilot.

Figure 8. San Severino Marche experience

2.4.2 Participation in events

In addition to organizing the specific project events, inteGRIDy consortium has participated in various dissemination events like meetings, conferences, exhibitions and workshops that had international impact.

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
UCP	National	End Users; Facilitators; Academics; Public	Conference Presentation & feedback sessions	Encontro Ciência 2018 - Science Meeting 2018	Portugal Lisbon	04/07/2018	http://www.encontrociencia.pt/home/	60	Communication / presentation. Poster
UNEW	Worldwide	Energy Operators Academics Others	Conference	The 2018 International Symposium on Nonlinear Theory and Its Applications (NOLTA2018)	Tarragona, Spain	02-06/09/2018	http://www.nolta2018.org/	300	Communication / presentation
UCP	European	End Users Academics	Presentation & feedback sessions	BOSCH Business Model Innovation Summit 2018	Renningen, Germany	12/09/2018		200	Communication with poster
SUNLIGHT	European	Energy Operators End Users	Workshop	GRIDSOL - WiseGRID Workshop	Athens, Greece	25/09/2018		60	Communication / presentation

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
		Academics							
UCP	National	End Users Facilitators Academics General Public	Conference	Conference at : SMART CITIES – OPPORTUNITIES AND CHALLENGES	Católica Lisbon School of Business and Economics, Lisbon	26/09/2018	https://www.clsbe.lisboa.ucp.pt/institutional/knowledge-catolicalisbon/smart-cities-opportunities-and-challenges	70	The conference was organized in the format of a panel discussion, where the moderator first presented the main topic for the discussion - "Smart Cities: challenges and opportunities", and then initiated a discussion with the panel speakers. To inform the audience about some best practices in the field and to trigger the discussion, the moderator, René Bohnsack, presented the inteGRIDy project, its objectives and explained the role of UCP in the project..
ELECTRICA	European	Energy Operators	Conference	Smart Metering Conference	Prague, Czech Republic	25/09/2018	http://www.prime-alliance.org/?page_id=3383	200	Communication/presentation
SIVECO	European	Energy Operators End Users	EC Meeting	Horizon 2020 Energy info day &	Brussels, Belgium	05/10/2018	https://ec.europa.eu/inea/en/news-events/events/horizon-2020-	200	Attendee. Discussions with different stakeholders from energy sector participating at the conference, sharing our experience in inteGRIDy

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
		Facilitators Academics		Brokerage event			energy-info-day		project. Presenting the project overview and the Demand Response pilot in Romania. Disseminating the project flyer to participants
UPC	National	Energy Operators End Users	Workshop	Workshop with Detecon	Lisbon, Belgium	02/11/2018			Discussions with different stakeholders from energy sector participating in the workshop
SIVECO	European	Energy Operators End Users Academics	Conference	International Symposium on Fundamentals of Electrical Engineering 2018	Bucharest, Romania	01-03/11/2018	http://isfee.elth.pub.ro/isfee2018/	150	Communication / presentation
SUNLIGHT, ATOS	European	Energy Operators End Users Academics General Public	Fairs	European Utility Week	Vienna, Austria	06-08/11/2018	https://www.european-utility-week.com/	12000	Exhibition / Stand
SIVECO	Worldwide	Energy Operators End Users	Workshop	Smart City Brokerage Event	Barcelona, Spain	13/11/2018	https://smartcity2018.b2match.io/	100	Meeting with stakeholders

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
		Academics General Public							
TREK, SOREA, CERTH	European	Energy Operators Academics	Conference Presentation & feedback sessions	Medpower 2018	Dubrovnik, Croatia	12-15/11/2018	medpower2018.com	200	Communication / presentation; Round table moderator; Attendee. I have organized on behalf of InteGRIDy project our Special Session in the framework of Medpower 2018 conference. The duration of our Special Session was 1.5 hours. The partners involved in our Special Session were Trek Development, Sorea, Certh and Foss. Firstly, we gave a presentation about the high overview of InteGRIDy project in general. Then, each partners presented in detail the pilot-project of InteGRIDy that we are mostly or exclusively involved in, namely St-Jean(FR) for TREK and SOREA, Nycosia(CY) for

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
									FOSS and Thessaloniki(GR) for Certh. Finally, the presentation also included a brief description of the 7 other pilot projects of InteGRIDy concentrated mostly on high-level conceptual view of pilots' use cases overview of the suggested solution. This part was divided between all 4 partners. At the end of the presentation there was a discussion between the panel and some of the attendees concerning the progress and specific technical issues of some of the pilots presented
ASSEM/ UNE / POLIMI	National	Energy Operators End Users Facilitators General Public	Conference	inteGRIDy project: San Severino Marche experience - Current panorama and future perspectives on Storage	San Severino Marche - Italy	17/11/2018		100	Communication / presentation; Round table moderator. The event gathered energy experts, engineers, end users and representatives from public administration and facilitators in order to share and discuss the new

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
				systems technologies and Smart Grids.					opportunities offered by inteGRIDy technologies. ASSEM, POLIMI and UNE illustrated, through presentations and round table discussions, project's first results in general and then concentrated on San Severino Marche pilot experience. The event permitted to enlarge and consolidate the relationships with end users, which will directly participate to the San Severino pilot installations.
Energy@Work	European	Energy Operators	Fairs	Apulian LifeStyle	Tirana, Albany	19/11/2018		50	Exhibition / Stand. Event organized by Apulian Region in Albany for the promotion of lifestyle good practices and technologies
UCP	European	End Users Facilitators Academics General Public	Conference	Smart Cities: A Major Revolution	Lisbon, Portugal	27-29/11/2018	http://smartcityinnovationlab.com/smart-city-a-major-revolution/		Promotion of the project outcomes

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
UCP	National	Energy Operators	Discussion panel	Discussion panel at EFASEC	Porto, Portugal	25/01/2019	https://www.efacec.pt/		Workshop with stakeholders
UCP	National	Energy Operators	Workshop	Workshop with Wavestone	Lisbon, Portugal	31/01/2019	https://www.wavestone.com/en/		Workshop with stakeholders
UCP	European	End Users Facilitators Academics General Public	Confernce	University Business Forum 2019	Lisbon, Portugal	14/02//2019	https://www.ulisboa.pt/evento/university-business-forum		Workshop with stakeholders
SIVECO	European	Energy Operators Academics	Conference	11th International Symposium on ADVANCED TOPICS IN ELECTRICAL ENGINEERING	Bucharest, Romania	28/03/2019	http://atee.upb.ro/atee2019/	200	Communication with poster
PH Energia	European	Energy Operators End Users	Fairs	QSP Summit	Porto, Portugal	21/03/2019	https://qspsummit.pt/pt	2300	Exhibition / Stand. We hold a stand with the information of inteGRIDy + project flyers + project video.

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
		Facilitators Academics General Public							In summary, the project created a lot of interest among the event participants. There were the Portuguese energy companies and municipalities that demonstrated a lot of curiosity in relation to the Portuguese pilot project. In our opinion, the participation in this event was very fruitful both for the project and our company
Aiguasol	National	Energy Operators End Users Facilitators Academics General Public	Workshop	Renewables Energy workshop	Barcelona, Spain	01/04/2019	https://mailchi.mp/0cc4338f0eae/jornada-sobre-energas-renovables-en-la-red?e=8dde6561c8		Presentation
ATOS	European	Energy Operators End Users Facilitators Academics	Conference	INNOGRID2020+	Brussels, Belgium	13-15/05/2019	www.innogrid2020.eu		Exhibition / Stand with inteGRIDy poster and brochures. Active participation (Javier Valiño) in the breakdown session “Innovation for the physical

Partner	Diss Level	Target audience	Type	Event	Place	Date	Website	# participants	Notes
		General Public							grid: New technologies and grid planning"
ENG	Worldwide	Energy Operators End Users	Conference	EEEIC - 19th International Conference on Environment and Electrical Engineering	Genova, Italy	11-14/06/2019	https://www.eeeic.net/eeeic/	600	Communication / presentation
ELECTRICA	Worldwide	Energy Operators, Energy solutions providers, academic	Conference	CIRED	Spain	03-06.06.2019	http://www.cired2019.org/page/programme-overview	1500	Presentation

Table 1. List of events

Some pictures of the events where the consortium members participated in the reporting period are depicted below.

Figure 9. European Utility Week

Figure 10. Medpower 2018

Figure 11. 11th International Symposium on advanced topics in electrical engineering

Figure 12. Renewables Energy workshop

Figure 13. QSP Summit

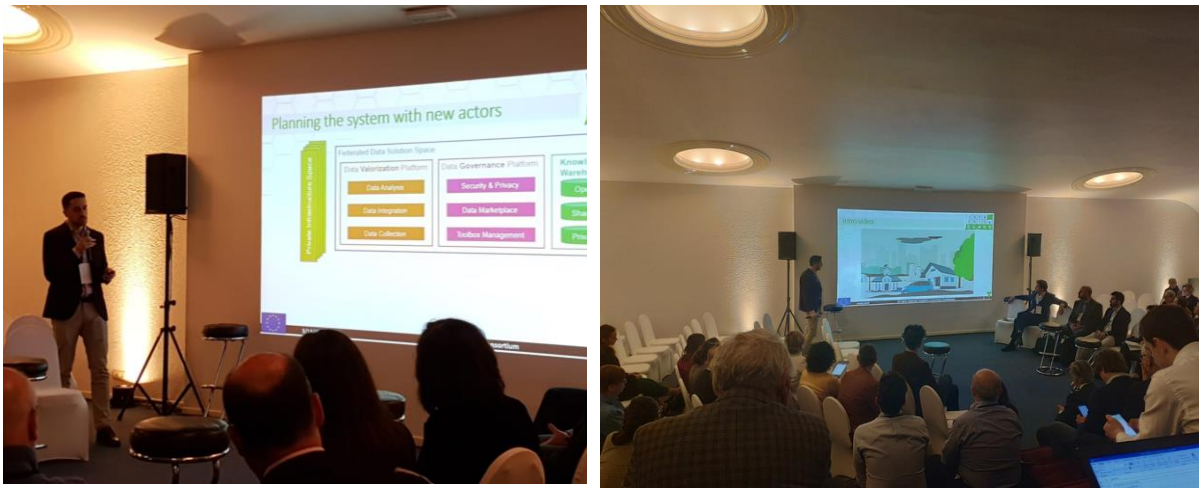

Figure 14. INNOGRID 2019

3.Dissemination and Communication formats

Chapter 3 presents the dissemination and communication formats produced in the reporting period to be utilized during the project. Dissemination and communication formats are understood to be **any sort of means** through which the project's **main messages** can be transmitted and communicated outside of the consortium.

More specifically, this section includes

3.1 Leaflets

In addition to the inteGRIDy standard material, leaflets following the project branding are are planned for the pilots. Each leaflet will indicate the solution and benefits at trial in each site. To the date, a tailored leaflet for the Isle of Wight pilot has been already produced and published in the project website (http://www.integridy.eu/content/siemens-transforms-building-standard-smart-%E2%80%98integridy%E2%80%99-pilot):

Figure 15. Tailored material for IOW pilot

3.2 Posters

A new version was printed to be showed during for the 8th InnoGrid Annual Conference [INN19], 'Connecting Physics and Digits: Power Platforms on the Rise' held in Brussels, 13-14 May 2019. In this event inteGRIDy was granted with a premium package. This package included a slot opportunity (see list of Events) and the project logo appeared on the mailings circulated for promotional purposes ahead of the conference, as well as on the dedicated conference website (Projects section) with a short description, and on social media. Additionally, the project was allocated a space at the conference venue, where the poster was placed along with inteGRIDy brochures.

3.3 Newsletters

A new issue of the inteGRIDy newsletter was launched in February 2019. This issue contained information about the project outcomes in the Ploiesti pilot and partners' participation in events as well it introduced some project partners, namely Lisboa eNova, Energy@Work, Isle of Wight Council, Minus7 and PH Energia. The newsletter can be found at the project site: http://www.integridy.eu/content/newsletter-issue-3-feb-2019. A screenshot of the newsletter can be seen below:

OVERVIEW

integrated Smart GRID Cross-Functional Solutions for Optimized Synergetic Energy Distribution, Utilization Storage Technologies

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731268

Topic: LCE-02-2016 - Demonstration of smart grid, storage and system integration technologies with increasing share of renewables: distribution system

Objective: inteGRIDy is integrating existing technologies to implement a smart grid distribution platform which offers "smart grid energy services" for low voltage (LV) and medium voltage (MV) networks. In business to business (B2B), business to consumer (B2C) and business to business to consumer (B2B2C) market contexts.

Duration:	Jan 2017 to Dec 2020
Partners:	30
Countries:	10 (Cyprus, France, Greece, Italy, Portugal, Rumania, Spain, United Kingdom)
Pilots:	10
Total Budget:	15.840.275 €
EU Grant:	12.329.013 €
Coordination entity:	Atos

www.integridy.eu

PARTNERS

As the project consortium comprises 30 partners, several newsletters are used to formally present them all.

This third issue introduces the following 5 members, including inteGRIDy's technical coordinator.

LISBOA E-NOVA AGENCIA MUNICIPAL DE ENERGIA E AMBIENTE DE LISBOA (E-NOVA)

www.lisboaenova.org

Portugal

LISBOA E-NOVA is a non-profit association operating under private law that seeks to contribute to the sustainable development of the city of Lisbon through mainstreaming good practices in urban planning, construction, urban management and mobility, involving all the city's key stakeholders, among political decision makers, all major urban stakeholders and the citizens of Lisbon. LISBOA E-NOVA is responsible for the development and monitoring of Lisbon's Energy-Environment Strategy and also coordinates Lisbon's participation in the Covenant of Mayors assuring the communication with the European Commission and the status of results. Within this context Lisboa E-Nova coordinates several projects, both in the technical and communication fields, with which it addresses the sustainability challenges that the Lisbon city faces, raising the awareness of all key stakeholders and motivating their participation in the systematic and continuous improvement of the city's energy and environmental performance.

In inteGRIDy project, LISBOA E-NOVA is responsible for the pilot implementation in Lisbon in direct coordination with the technical partners of the proposal.

www.integridy.eu

Figure 16. inteGRIDy newsletter

3.4 Press releases

The inteGRIDY partner ASSEM released a press release of the occasion of the workshop entitled "San Severino Marche experience - Current panorama and future perspectives on Storage systems technologies and Smart Grids," organized in San Severino Marche on the 17th of November 2018.

http://www.comune.sanseverinomarche.mc.it/comunicati-cms/progetto-integridy-incontro-su-prospettive-future-sistemi-di-accumulo-e-smart-grid-partendo-dallesperienza-settempedana/

3.5 Whitepapers

One of the main disseminations and communication achievements during this period has been the production of of partner-specific whitepapers, explaining inteGRIDy-related activities and achievements. To the date, eight (8) whitepapers have been already published:

Title	Autor/s	Publication date
1. Business model innovation for energy services and solutions - October 2018	Alina Margolina (UCP-SCIL)	October 2018
2. The inteGRIDy Reference Architecture: functional and technical specification - November 2018	Marilena Lazzaro (ENG)	November 2018
3. Demand Side Management Tools for Optimal Exploitation of Distributed Energy Resources Flexibility - December 2018	Sotiris Tsakanikas, TREK	December 2018
4. Challenges and opportunities to inteGRIDy innovations, January 2019	Otilia Bularca, Ana-Maria Dumitrescu, SIVECO	January 2019
5. Standardisation Analysis, Regulations & Privacy Policy for the EU Smart Grid	Hatice M. Tuncer, Teeside Uni.	February 2019
6. Dynamic Energy Pricing in Combination with Demand Side Management	Aleksandra Krivoglazova, PH Energia Lda	March 2019
7. Building Transformation – From standard to smart. A demand-side response (DSR) solution demonstration	Justice Agbo , Tom O'Reilly, Siemens Plc	April 2019
8. A Demonstration of an integrated Battery Energy Storage System in Residential and Commercial buildings	Justice Agbo , Tom O'Reilly, Siemens Plc	May 2019

Table 2. List of inteGRIDy whitepapers

3.6 Articles in journals

On October 4th 2018, an article in Portuguese about the participation in inteGRIDy of our partner PH Energia in Jornal Económico has been published (available in the following link: https://jornaleconomico.sapo.pt/noticias/camara-de-lisboa-investe-12-milhoes-de-euros-para-poupar-25-com-eletricidade-361943).

A Câmara de Lisboa está a implementar um projeto piloto europeu de eficiência energética, que poderá resultar numa poupança de 25% na fatura da eletricidade. O inteGRIDy, que é parcialmente financiado por fundos europeus, é liderado em Portugal pela empresa Energia Simples e implica um investimento público de 1,2 milhões de euros.

Figure 17. inteGRIDy article in Jornal Económico

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3.7 Papers & scientific publications

Publications are dissemination opportunities that can be exploited to disseminate project results in scientific and non-scientific direction. In addition to the whitepapers and the newsletter, during the reporting period the consortium has published the following papers:

Title	Autor/s	Publisher	Year	Link to the publication
Border Collisions in Interleaved Multi-Output DC-DC Boost Converters	G. Gkizas, D. Giaouris, S. Banerjee, A. El-Aroudi, K. Mandal and V. Pickert	Proceedings of NOLTA2018	2018	
Smart metering deployment status across EU-28	Otilia Bularca, Monica Florea, Ana-Maria Dumitrescu	IEEE	2018	www.ieeexplore.org (cat no. CFP1893Y-ART, ISBN: 978-1-5386-7212-9)
San Severino Marche Smart Grid Pilot within theInteGRIDy project	D. Falabretti, M. Moncecchi, M. Mirbagheri, F. Bovera, M. Fiori, M. Merlo, M. Delfant	Elsevier	2018	https://www.sciencedirect.com/science/article/pii/S1876610218309822 http://www.integridy.polimi.it/wp-content/uploads/2019/03/1-s2.0-S1876610218309822-main.pdf
A review of key environmental and energy performance indicators for the case of renewable energy systems when integrated with storage solutions	Dimitrios-Sotirios, Kourkoumpas, Georgios Benekos, Nikolaos Nikolopoulos, Sotirios Karellas, Panagiotis Grammelis, Emmanouel Kakarasa	Applied Energy Volume 231, 1 December 2018, Pages 380-398	2018	https://www.sciencedirect.com/science/article/pii/S0306261918313527 https://zenodo.org/record/2547661
Conceptual assessment of smart meters compatibility levels	Otilia Bularca, Ana-Maria Dumitrescu	IEEE	2019	https://ieeexplore.ieee.org/
Modelling and simulation of a PV-battery storage system for a university campus, aiming self-sufficient renewable operation	Spyridon Chapaloglou, Athanasios Nesiadis, Konstantinos Atsonios, Nikos Nikolopoulos,	8th Global Conference on Global	2019	

Title	Autor/s	Publisher	Year	Link to the publication
	Christos Samlis, Panagiotis Grammelis.	Warming (GCGW-2019)		
Energy Management Strategies assessment, for a Heat Pump-PV-Battery Storage System in a Sport Center through dynamic thermal-electrical system simulation analysis.	Spyridon Chapaloglou, Athanasios Nesiadis, Konstantinos Atsonios, Nikos Nikolopoulos, Panagiotis Grammelis, Angel Carrera, Oscar Camara	Proceedings of ECOS 2019	2019	
Modelling and forecasting of electrical consumption for demand response applications	Iacob Crucianu, Otilia Bularca, Ana-Maria Dumitrescu	Proceedings of POWERTEC H2019	2019	
Smart modular ICT framework for the intelligent management of different modern energy systems	Marilena Lazzaro, Giuseppe Paternò, Jorge Landeck, Javier Valiño, Alberto Pérez-Ortiz, Òscar Càmara, David Gómez Fernández	Proceedings of 19th EEEIC	2019	

Table 3. List of inteGRIDy publications

3.8 Liaison activities with other projects and initiatives

inteGRIDy has been active collaborating during the part BRIDGE [BRI19] coordination meeting held in Brussels in March 12-13 2019. This meeting served as an important milestone for the initiative, as it was used to report the outcomes of the Working Groups so far and introduce a number of Task Forces, that will drive the initiative work for the near future.

Among these new topics introduced in BRIDGE, inteGRIDy will pay special attention to the new Task Force on Replicability and Scalability. This is a core objective of the project, proven by the fact that all business modelling and exploitation activities are driven to boost replicability both among pilots and potentially on other following demonstrators. UCP (Business Modelling WP leader and owner of the replicability tool in inteGRIDy), will represent the project in this task force. The task force is focused on the study of relevant KPIs and a methodology to evaluate the replicability/scalability and solutions.

All other Working Groups and Task Forces will be also followed by relevant inteGRIDy contacts, as done in the past, providing the needed content upon request of the initiative leaders.

4.Dissemination KPI achieved

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Dissemination	KPI	Planned Values	Achieved Values (M18)	Achieved Values[1] (M30)
Web page	Yearly visits	1.500	20.191* (18 months)	4,004 in reporting period
	Visit duration	2 min (avg)	3 min 10 sec (avg)	2 min 21 sec (avg)
Publications	Submitted papers	15	8	17
	Articles, journals and books	6	4	5
Events	Attended	10	19	43
	Organized	2	1	2
	Workshop attendees	30	70	100
Newsletters	Subscriptions	75	47	60
Brochures	Number	3	1	2
Social Network	LinkedIn contacts	150	230	403
	Twitter followers	200	411	605

Table 4. inteGRIDy dissemination KPIs.

[1] Cumulative data

5.Overview of dissemination channels and formats

The table below summarizes the work performed in WP9 of inteGRIDy project in relation to the dissemination and communication formats and channels used in the period M19-M30.

Item	Type of Activity	#
Dissemination and communication channels (current reporting period)		
1	Participations in events	24
2	Organization of project workshops	1
3	Social network presence	3
4	inteGRIDy website	1
TOTAL (1-4)		**30**
Dissemination and communication formats		
5	Brochures/leaflets	3
6	Newsletters	1
7	Press releases	1
8	Papers & scientific publications	9
9	Articles	1
10	Whitepapers	8
TOTAL (5-10)		**23**
Liaisons		
11	BRIDGE initiative	1
12	Merlon project	1
TOTAL (11-12)		**2**
	TOTAL	**55**

Table 5. Overview of dissemination channels and formats in inteGRIDy

6.Objectives for the next reporting period

During the second reporting period of dissemination activities every planned action has been performed in line with the strategy defined at the beginning of the project in deliverable D9.1.

For the last reporting period, efforts will be devoted to increase the visibility of the pilots' activities and results as well as to support the exploitation actions that will ensure the future sustainability and commercialization of the project results.

The actions lines planned by next period in the inteGRIDy dissemination activities are the following:

- Further production of scientific publications (in open access when feasible) and participation in relevant and sectorial events;
- Update the dissemination material: general poster, reference presentation;
- Create new dissemination material focused on pilot's sites;
- Create a Project dissemination pack (in electronic format) will be produced at the end (M48) presenting the project results and outcomes;
- Publication of further partner-specific whitepapers;
- Publishing new Newsletters according to the plan for dissemination and communication;
- Keep the website and social networks of the project updated;
- Preparation of webinars and workshops;
- Keep collaboration activities with BRIDGE working groups and initiative-related projects.

7. Conclusions

According to inteGRIDy's Description of Action, the principal objective of this deliverable is to present all dissemination tools and activities used to disseminate and communicate the inteGRIDy results during the reporting period. In this way, this deliverable D9.4 provides the complete overview of the dissemination activities implemented in the scope of the inteGRIDy project from M19 to M30, in accordance with the provisions of the Dissemination and Communication strategy defined in deliverable D9.1 issued at the beginning of the project.

The success of communication depends on the ability to pass relevant messages to the "potential users" of the project results. The main targeted audience of inteGRIDy result was identified in deliverable D9.1 and having in mind this audience, the most appropriate formats and activities were implemented to keep them constantly engaged and updated about project findings and most relevant results.

During the first stage of the project, goal was focused on raising awareness about the general project objectives. However, during the reporting period, the approach has shifted to show the project achievements so far and the pilots' benefits.

With this goal, the project website has been refactored as well as populated with new contents. Additionally, a wide variety of news and events have been posted in the social media. The project outcomes have been spread through the newsletter and the publication of eight (8) whitepapers by different project partners. A total of 9 papers have been also submitted as well as one article was written for a general newspaper. In addition, one press release was created to invite stakeholders to one of the project workshops held in San Severino Marche, Italy.

On the other hand, inteGRIDy has been presented in 24 events/conferences and 2 project workshops have been organized, listed in the section 2.4.1 of this deliverable.

Finally, inteGRIDy will continue the liaison and sharing activities with the BRIDGE initiative, actively participating in its working groups.

In conclusion, and taking into account the success criteria and KPIs defined in the Description of Action and presented in chapter 5 of this deliverable, it can be said that dissemination was in successful during the reporting period.

8.References

[DRU19] www.drupal.org

[INN19] 8th InnoGrid Annual Conference, https://www.innogrid2020.eu/

[BRI19] BRIDGE initiative https://www.h2020-bridge.eu

[INT17] D9.1 Plan for dissemination, exploitation & communication of results, inteGRIDy consortium, 2017.

[GAN19] https://www.analytics-toolkit.com/

http://www.integridy.eu