H2020 GV-8-2015
Electric vehicles' enhanced performance and integration into the transport system and the grid

electrific

Enabling seamless electromobility through smart vehicle-grid integration

Project Nº 713864

D9.5 – Report on the 2nd period dissemination activities and results

Responsible:	Klaus Kohlmayr / Susanna Garcia
Document Reference:	D9.5 – Report on the 2nd period dissemination activities and results
Dissemination Level:	Public
Version:	4.0
Date:	August 2018

Executive Summary

This is the second of three reports according to the disseminations activities and refers to all activities of the second project year. This document describes the various dissemination activities in conjunction with the ELECTRIFIC ecosystem. The overall endeavor of dissemination is comprised of releases on the ELECTRIFIC website and social media as well as events such as discussions, presentations and workshops held for academic audiences, community leaders, industry representatives as well as the general public, depending on the issue. The events were held at different venues throughout the EU and always together with a partner from the industry or a university that is involved in the endeavor. Furthermore press releases in industry publications and newspapers as well as magazines have been used for the endeavor.

The metrics / KPIs watched in conjunction with the endeavor are the following:

1. Number of returning website visitors per year
2. Number of received feedbacks per year
3. Total number of likes on Facebook
4. Total number of followers on Twitter
5. Total number of followers on LinkedIn
6. Total number of Wikipedia pages created
7. Total number of press releases published by the different countries of the consortium (project phase dependent and includes online articles)
8. Total number of events posters presented
9. Total number of events brochures distributed
10. Total number of videos presenting the project
11. Total number of journal papers accepted
12. Total number of scientific publications accepted
13. Total number of synergies built
14. Total number of participations in European events
15. Total number of active contributions in conferences and workshops (paper and not paper based)
16. Total number of workshops organized
17. Total number of publications per workshop accepted (if the workshop is paper-based)
18. Total number of attendees to the workshops
19. Total number of proposed master and bachelor theses in conjunction with the endeavor
20. Total number of newly created lecture units
21. Number of proposed seminars and practical courses

Contributors Table

DOCUMENT SECTION	AUTHOR(S)	REVIEWER(S)
I. Introduction	Klaus Kohlmayr (HTB)	
II. Dissemination Activities		
II.1. Website	Susanna Garcia (BCNEcologia)	Dominik Danner (UNI PASSAU)
II.2. Social network profiles	Susanna Garcia (BCNEcologia)	Dominik Danner (UNI PASSAU)
II.3. Press releases and articles	Susanna Garcia (BCNEcologia), Klaus Kohlmayr (HTB)	Dominik Danner (UNI PASSAU)
II.4. Publication activities	Dominik Danner (UNI PASSAU)	
II.5. Brochures and posters	Susanna Garcia (BCNEcologia), Klaus Kohlmayr (HTB)	Dominik Danner (UNI PASSAU)
II.6. Project related videos	María Pérez Ortega (Gfi), Klaus Kohlmayr (HTB)	Dominik Danner (UNI PASSAU)
II.7. Community building activities	Susanna Garcia (BCNEcologia), María Pérez Ortega (Gfi)	Dominik Danner (UNI PASSAU)
II.8. Industry-oriented events and exhibitions	Klaus Kohlmayr (HTB), Susanna Garcia (BCNEcologia)	Dominik Danner (UNI PASSAU)
II.9. Scientific Talks & Presentations	Klaus Kohlmayr (HTB)	Dominik Danner (UNI PASSAU)
II.10. Workshops	Dominik Danner (UNI PASSAU), Klaus Kohlmayr (HTB)	Christoph von Essen (HTB)
II.11. University education	Dominik Danner (UNI PASSAU)	Christoph von Essen (HTB)
III. KPI Watch	Dominik Danner (UNI PASSAU), Susanna Garcia (BCNEcologia)	Christoph von Essen (HTB)
IV. KPI Evaluation	Dominik Danner (UNI PASSAU), Susanna Garcia (BCNEcologia)	Christoph von Essen (HTB)
V. References	Dominik Danner (UNI PASSAU)	Christoph von Essen (HTB)

Table of Contents

Table of Figures

List of Tables

I. INTRODUCTION

I.1. Purpose and organization of the document

The purpose of this document is to provide a clear strategy and periodic update on the status for the dissemination endeavor for ELECTRIFIC's project, which aims at helping to create an interoperable and therefore user-friendly electromobility ecosystem based on existing installations and the experience gained from the interactions with these installations so far.

I.2. Scope and audience

The project scope defines the framework for electromobility and defines which components and implementations are still needed today. The partners of the project include industrial companies, automobile manufacturers, utilities, municipalities, universities, and technology and research institutions. Drawing on their expertise and experiences from many electromobility projects, ELECTRIFIC is using the combined know-how to help to lay the groundwork for improvement in regard to the standardization for electromobility, highlighting the most urgent "new" challenges and what is required to take them on.
The person that will benefit from reading this document is someone who either works for an industrial company, automobile manufacturer or a utility provider, municipality, university or a technology and research institution.

I.3. Document context

The document has to be read in a context of the development of a marketplace as a common innovative service platform that entails such characteristics as Europe-wide roaming and other services connecting the electromobility market players providing an analysis of the operability of electric vehicles under real-life conditions and development of policy guidelines as a basis for implementation in the mass market.

II. DISSEMINATION ACTIVITIES

This section lists all dissemination channels and all activities carried out in their respect.

II.1. Website

II.1.1. Website evolution

The project website can be found at the following web address: http://www.electrific.eu. It was launched during the month of November 2016, two and a half months after the project began. The page is built on WordPress and the design, supported on a WordPress template also, was made by Gfi, following the style guides described in Deliverable D9.1. After an initial effort to provide content to the web, the website works as a living entity and the idea is that its appearance will vary throughout the project according to the needs of it. Since its inception, the content of the website and its updates have been made by BCNecologia.

The detailed description of the website's structure as well as its sections can be found in the Deliverable D9.1 and here reference is made only to the changes that have taken place since the last periodic report. After integrating the BLOG section during the first project year, the website is going to be restructured again in the upcoming months and the whole content will be reviewed and revised.

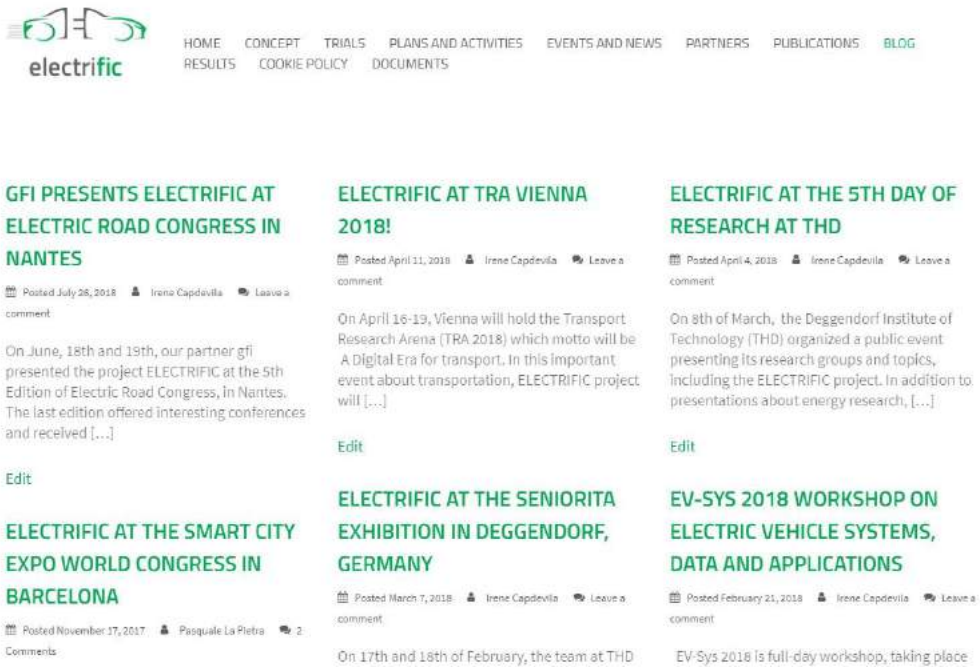


Figure 1: Blog section of the website.

Nevertheless, the BLOG Section on the website has been populated with six new posts that refer to physical project meetings, exhibitions ELECTRIRIC participated and the *Call for Papers* for the EV-Sys workshop at the e-Energy conference, which was co-organized by the project. Figure 1 shows a screenshot of the blog activity on the projects website and Figure 2 presents details of an example blog entry about presenting ELECTRIFIC at a congress in Nantes.

Figure 2: Example of post content in the blog section.

On the other hand, the progression bars diagram has been updated on the front page of the website since, as already described at Deliverable D9.1, this represents the progress of the project. The status of this second period is shown in Figure 3.

Figure 3: Progression bars diagram of the project milestones of the project, in the website's homepage.

The other section that has undergone changes in the website is Publications, which collects (in two different subsections) both, the public deliverables (Figure 4) as they are delivered to the European Union, and the scientific papers (Figure 5) related to the project that have been published in different places. All these documents can thus be consulted by the visitors of the page. This page is constantly growing, now containing over eight scientific papers, which are already published.

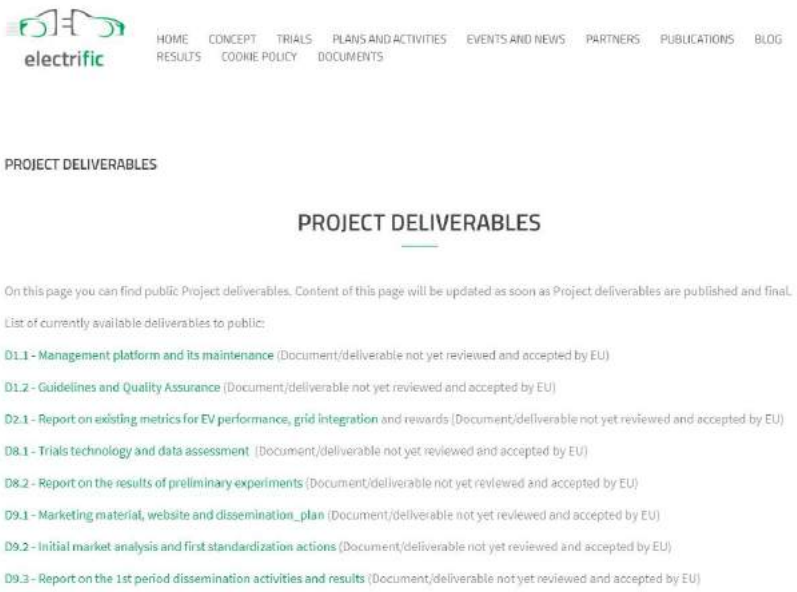


Figure 4: Subsection of project deliverables in publications section.

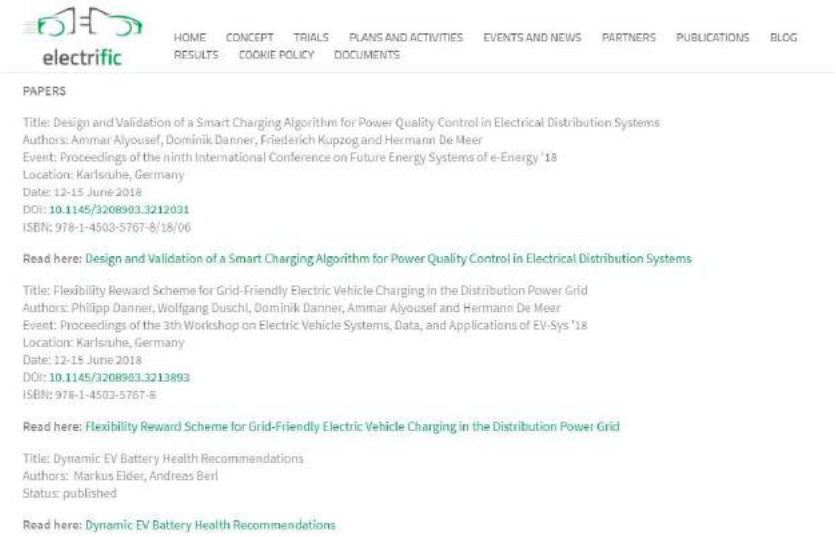


Figure 5: Subsection of papers in publications section.

II.1.1.a. Sessions

A session is a set of interactions that take place in a website during a certain period. For example, a unique session can contain different page views, events, social interactions or transactions of e-commerce, which would not be our case. In the following image you can see an example session:

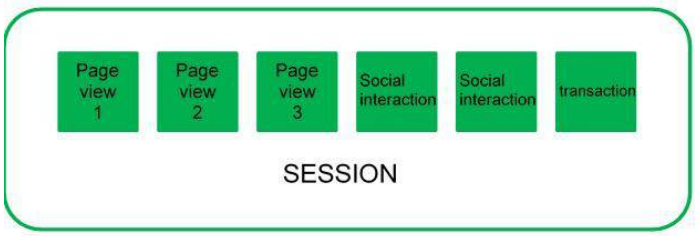


Figure 6: Example of a session.

Figure 7: ELECTRIFIC's sessions in the second year period.

In the case of ELECTRIFIC's website, the sessions that have been carried out in the last year are 102, as it can be seen in Figure 7. This number is very small compared to last year, but due to a server issue, the tracking needed to be restarted during the second year period, hence is unfortunately not possible to extract the exact number of sessions.

II.1.1.b. Users

Unique users represent the number of non-duplicated users (counted once) that have accessed to the website during certain period of time. Unfortunately, it is not a 100% reliable method because there are several circumstances that can make that the tools that calculate this do not reflect the reality. For example, cookies are associated to only one navigator, so if the same user surfs first with Google Chrome and then changes to Mozilla Firefox, he will have two associated cookies and will count as two different users. Also, in a university, for instance, a computer can count as one user although it has been really used by more people.
Since the results may favor one or the other case, the most appropriate thing is to believe them, although with reservations. From the chart in Figure 8 it can be seen that the unique users who visited the website from September 2017 to September 2018 are just 59. Again, this is related to the restart of tracking the website.

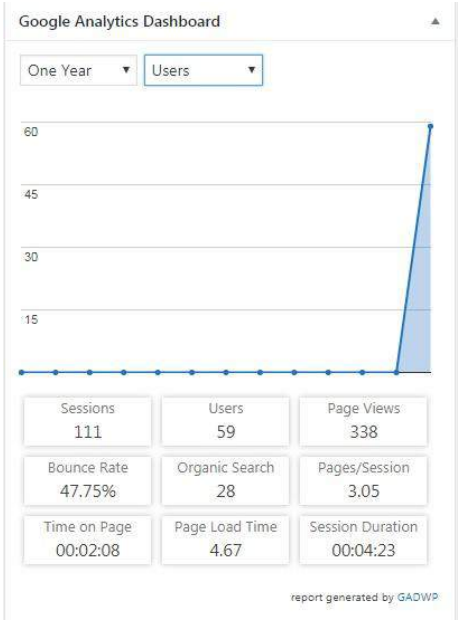


Figure 8: ELECTRIFIC's users in the second year period.

II.1.1.c. Organic traffic

Traffic from result pages of a search engine is called *organic*. If it comes from sponsored links is not counted. In this case, 111 sessions come from search made in search engines, like Google, as can be seen in Figure 9. Due to a server crash we only have data of the last month and a simple extrapolation results in 1332 sessions in the second project year.

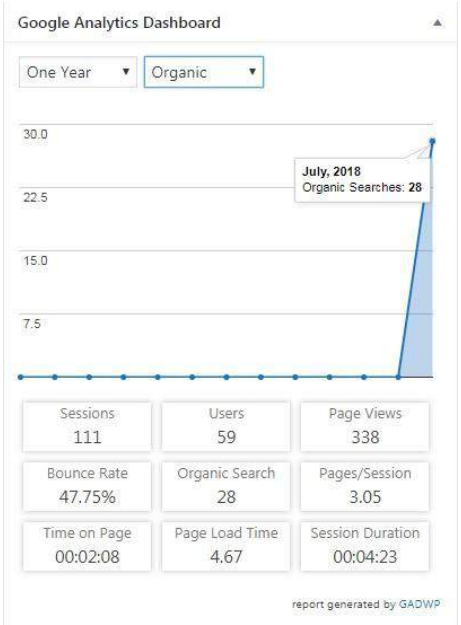


Figure 9: ELECTRIFIC's organic traffic in the second year period.

II.1.1.d. Page Views

Page views is a metric defined as the total number of pages viewed, which means a loaded page (or reloaded) in a browser. In this case we are talking about 338 page views during the last month, as we lost the other date by a server crash. The projection to the full year results in a total of 4056 page views for the second project period.

Figure 10: ELECTRIFIC's page views in the second year period.

II.1.1.e. Bounce rate

It is expressed by a percentage value. It counts the percentage of sessions that have visited only one page and have gone. That is to say, sessions where the user has abandoned the website's entry without interacting with it. In ELECTRIFIC's website case, the bounce rate is 47.75%.

If the bounce rate of a website is too high, it probably means that the page is not meeting the expectations of users. On the contrary case, it could mean that visitors are satisfied with what they find in the first page.

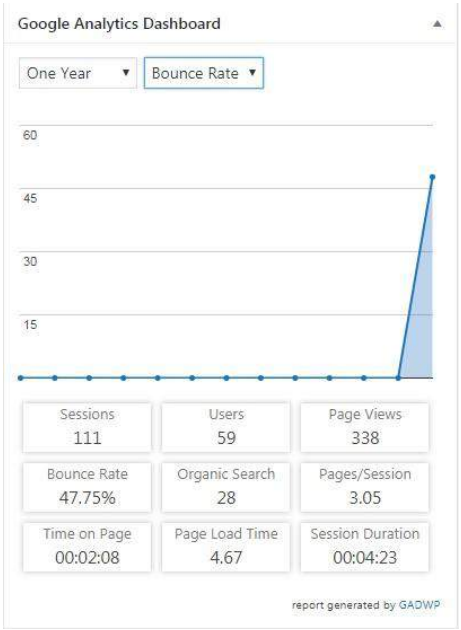


Figure 11: ELECTRIFIC's bounce rate.

II.1.1.f. Location

It determines the location from a visitor's IP addresses and where internet service providers assign those ranges. Data at country level is pretty accurate worldwide.

In the case of ELECTRIFIC, we can see that most of our traffic comes from Germany, which is logical assuming that most of the partners of the consortium are from there. That is how

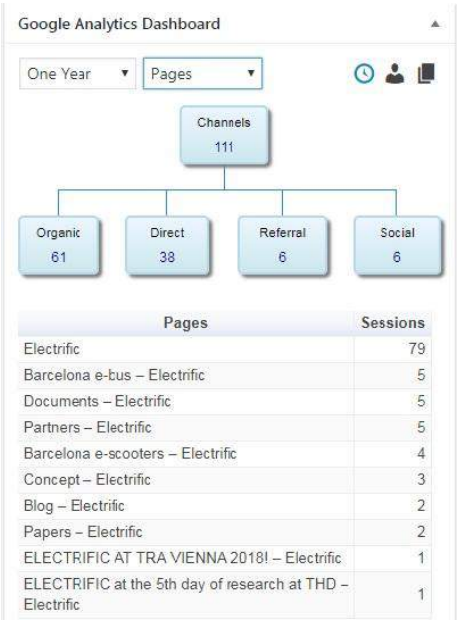
we can see in the top ten locations, some of the countries that participate in the project (Germany, Spain, Czech Republic, and Belgium) and also from Poland, Slovenia, France, Netherlands, Taiwan and Italy.

Countries	Sessions
Germany	30
Spain	26
Czechia	16
Belgium	7
Poland	4
Slovenia	4
France	3
Netherlands	3
Taiwan	3
Italy	2

Figure 12: Location of ELECTRIFIC's visitors.

II.1.1.g. Pages

It shows which pages are more popular among users. The home page is the most visited page as it is the start page of the website. Taking a look at the data, show that most visitors are interested in all different sections, hence it seems like they want to get an overview of the project.



Pages	Sessions
Electrific	79
Barcelona e-bus – Electrific	5
Documents – Electrific	5
Partners – Electrific	5
Barcelona e-scooters – Electrific	4
Concept – Electrific	3
Blog – Electrific	2
Papers – Electrific	2
ELECTRIFIC AT TRA VIENNA 2018! – Electrific	1
ELECTRIFIC at the 5th day of research at THD – Electrific	1

Figure 13: Top pages seen of ELECTRIFIC's website.

II.1.1.h. Referrers

A *referrer* is like a recommendation from one website to another. We can see that most of our traffic comes from a webpage from the University of Mannheim (UNIMA), one of the

partners of the project. Nevertheless, also some users find the way to our homepage through Facebook.

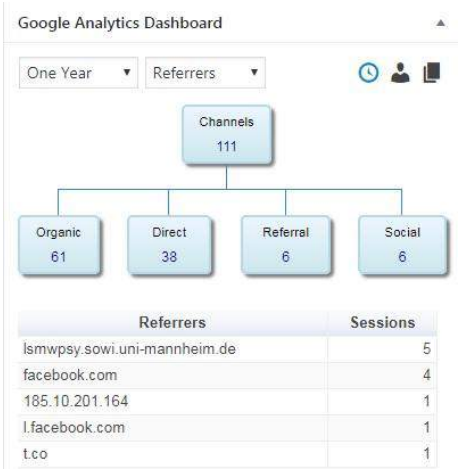


Figure 14: Top pages that recommend to visit ELECTRIFIC's website.

II.1.1.i. Search

Searches mean the key words that are searched by your visitors to arrive to your website. The results for our website are still not good: In order to increase the number of visits to our website, we plan to publish new posts every week, with key words included. The plan is to disseminate them through the project's social media as well in order to increase the range of coverage.

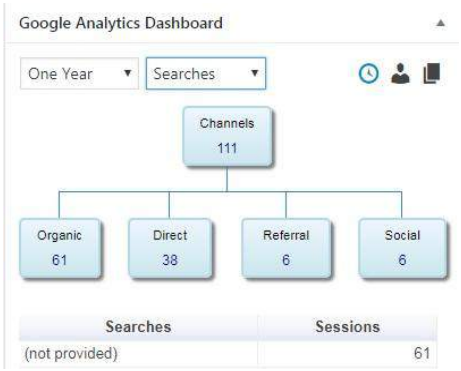


Figure 15: Key words searched to arrive to ELECTRIFIC's.

II.1.1.j. Traffic

What we can see that ELECTRIFIC's website traffic is low: that 6 visitors came from referral, 6 from social media, 61 are organic and 38 are direct.

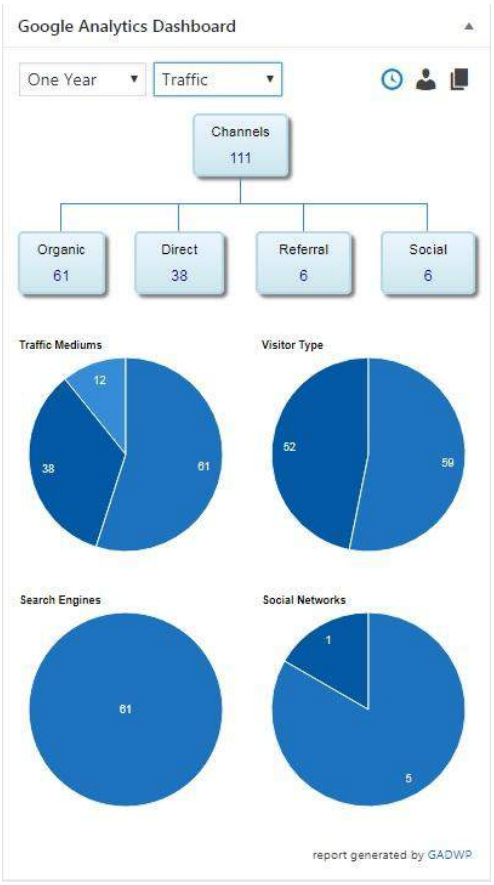


Figure 16: ELECTRIFIC's traffic.

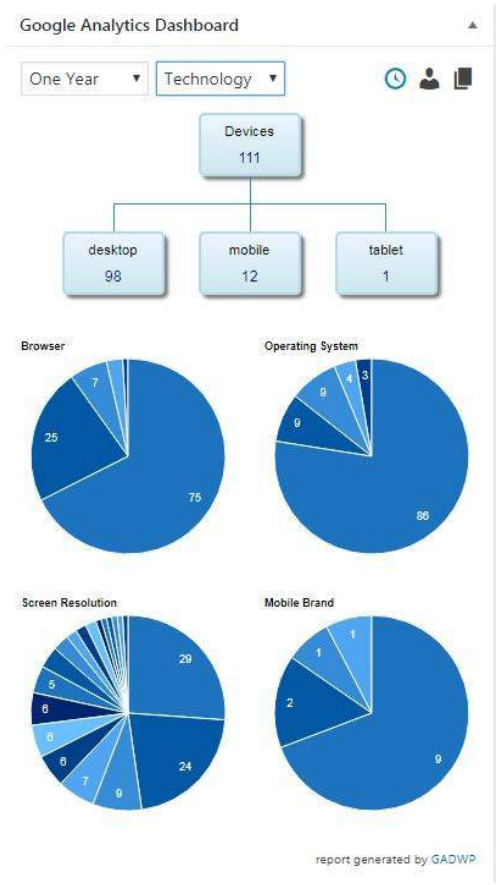


Figure 17: Used technology to surf in ELECTRIFIC's website.

II.1.1.k. Technology

What we can extract from this variable is data for curious people, as we are not interested in a market study regarding technology used to surf in ELECTRIFIC's website. The data regarding this, showed in Figure 17 is summarized as following:

- Top search engine: 1. Chrome
- Operating System: 1. Windows 2. Macintosh 3. IOS 4. Linux
- Mobile Brand: 1. Apple 2. Samsung 3. Sony

II.1.2. Analysis of website's data

According to the KPIs that were established at the beginning of the project and analyzing the data provided by Google Analytics, we could believe that we should focus on new contents' creation and set up a publication plan for ELECTRIFIC's website and our social media channels.

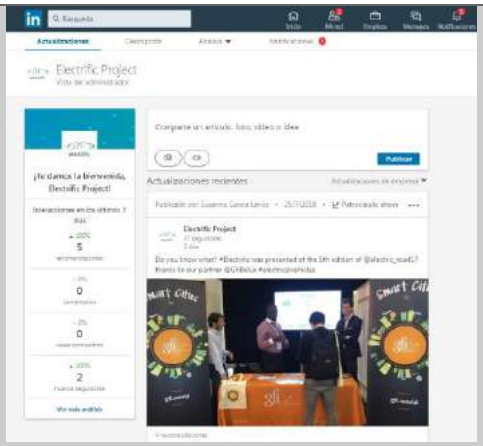
The website of the project must exist because it is a point of reference for anyone who wants to know more about it and a way to get in touch with those responsible for it through the email that is published in it. In that sense, their existence is obligatory. But the number of visitors it generates should not be the cause for anxiety. In a project of the characteristics of ELECTRIFIC, it will be much more important to reach more specialized audiences than a large audience. A higher importance should be put to scientific publications and participation to industrial exhibitions and conferences.

II.2. Social network profiles

At the beginning of the project it has been decided that ELECTRIFIC would have profiles in the following social networks: Twitter, Facebook and LinkedIn. As explained in D9.1, all

social media channels are updated with new information on a regular basis by BCNecologia according to project dissemination strategy and plan.

Table 1: Social media profiles.

Examples of social media profiles	Links to ELECTRIFIC project social media pages are following:
 **Figure 18: Facebook profile.**	Facebook: https://www.facebook.com/ELECTRIFICproject/
 **Figure 19: Twitter profile.**	Twitter: @ELECTRIFICpro
 **Figure 20: LinkedIn profile.**	LinkedIn: https://www.linkedin.com/company/ELECTRIFIC-project

II.2.1. Analysis of social network's data

Except for the social network Facebook, in which the KPIs projected at the beginning of ELECTRIFIC are accomplished, the performance of the other social networks is not good. Anyway this should encourage us to increase the number of followers on the other social networks of the project.

Given these results it is necessary that during the last period we establish a new system for usage of social networks among partners. If we manage to publish content that is attractive, we should see an increase in the number of followers on these networks. This will require some planning and greater collaboration from all partners. Generating content for social networks should be a common task for everyone.

II.3. Press releases and articles

One of the most important tasks of dissemination consists in creating and publishing all different kind of press releases and media articles. All partners have to contribute to this task, and until now, about 40 articles regarding the project have been published in different media. 7 of those articles were published in the second year. It's worth mentioning the huge effort made by the academic partners of the project (UNI PASSAU, UNIMA and THD) which has led to a high number of publications.

The press releases made by our partners can be found within the category "Events and News" under the following link http://electrific.eu/press-releases/).There is also a subsection named "Electrific in the media" where the media articles regarding the project are stored. This is a constant growing section. Articles that are referred below but aren't yet on the web, can be made available upon request.

In the following, the different publications (online and offline) related to ELECTRIFIC project during the second period of time are listed.

II.3.1. Press releases

This section details the press releases published by the project partners in their own media:

	Title (original language): Wie bleibt unser Stromnetz stabil?
Institution:	UNI PASSAU
Publish Date: 28/05/2018	Publish Type: Online
Publish Link: https://www.spektrum.de/news/wie-bleibt-unser-stromnetz-stabil/1559000	
Abstract: Coal-fired power plants not only supply electricity, they also stabilize the electricity grid. But in the future there will be no large power plants. In addition, the eco-network of the future should remain resilient - with the help of new digital security technologies.	

II.3.2. Articles

The detailed list of articles published in different media is provided below:

	Title (original language): Interview with Süddeutschen Zeitung
Institution:	UNI PASSAU
Publish Date: 10/03/2018	Publish Type: Print
Publish Link: https://projekte.sueddeutsche.de/artikel/politik/schlaues-netz-e416582/	

Abstract: Members of UNI Passau has been interviewed by Süddeutsche Zeitung

	Title (original language): E-Mobilität auf den Weg bringen: nutzerfreundlich, innovativ und sicher vernetzt
Institution:	Bayernwerk
Publish Date:	23/02/2018 Publish Type: Online
Publish Link: https://intranet.bayernwerk.de/cps/rde/xbcr/bayernwerk-intranet/170208_Electrific.pdf	
Abstract: Internal press release of ELECTRIFIC at Bayernwerk intranet	

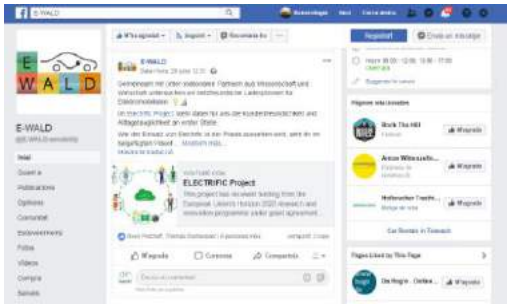
	Title (original language): Press release on the participation of ELECTRIFIC at the SENIORita exhibition
Institution:	THD
Publish Date:	16/02/2018 Publish Type: Print
Publish Link: printed only	
Abstract: Printed press release on the participation of ELECTRIFIC at the SENIORita exhibition	

	Title (original language): Press release on the participation of ELECTRIFIC at the SENIORita exhibition
Institution:	THD
Publish Date:	12/02/2018 Publish Type: Online
Publish Link: http://regio-aktuell24.de/thd-als-aussteller-auf-der-seniorita/34936	
Abstract: Online press release on the participation of ELECTRIFIC at the SENIORita exhibition	

	Title (original language): Press release on the concept and goals of ELECTRIFIC
Institution:	THD
Publish Date: 09/10/2017	Publish Type: Print
Publish Link: not available	
Abstract: THD released its annual magazine "Untertitel" including an article about ELECTRIFIC. In the article, the concept and goals of the project are highlighted. As this magazine is available to students of various nationalities, the article is printed both in German as well as English.	

II.3.3. Social media posts

Publications made by partners of the project in their own social media profiles:

Promotion of the ELECTRIFIC idea in general + linking in the ELECTRIFIC video. 	
Institution:	E-WALD
Publish Date: 26/06/2018	Publish Type: Social Media
Publish Link: https://www.facebook.com/E.WALD.emobility/	
Abstract: Post made by E-WALD on Social Media	

II.4. Publication activities

In this section, the achieved scientific disseminations of academic partners are listed, among them concepts and scientific papers submitted and accepted at workshops, conferences and journals. This data contributes to the KPIs K11 and K12 as defined in Deliverable D9.1 and has the following objective: 1 accepted journal publication and 10 accepted scientific publications in the overall project duration.

Next, we highlight the corresponding scientific publications achieved in the second period of the project in Table 2.

Table 2: Table of publications.

Title	Date	Organizers	Type	Involved Partners
Revenue Maximization for Electric Vehicle Charging Service Providers using Sequential Dynamic Pricing [2]	10/07/2018	International Conference on Autonomous Agents and Multiagent Systems AAMAS'18	Accepted Scientific Publication	CVUT
Dynamic Generation of Recommendations for EV Battery Health [3]	09/07/2018	IEEE	Accepted Scientific Publication	THD
Dynamic EV Battery Health Recommendations [4]	12/06/2018	EV-Sys workshop at e-Energy'18	Accepted Scientific Publication	THD
Flexibility Reward Scheme for Grid-Friendly Electric Vehicle Charging in the Distribution Power Grid [5]	12/06/2018	EV-Sys workshop at e-Energy'18	Accepted Scientific Publication	Bayernwerk, UNI PASSAU
Design and Validation of a Smart Charging Algorithm for Power Quality Control in Electrical Distribution Systems [6]	12/06/2018	ACM e-Energy'18	Accepted Scientific Publication	UNI PASSAU
Classification of Electric Vehicle Fleets Considering the Complexity of Fleet Charging Schedules [7]	12/06/2018	ACM e-Energy'18	Accepted Scientific Publication	THD
A Novel Approach on Battery Health Monitoring [8]	08/05/2018	TU Munich	Accepted Scientific Publication	THD, Bayernwerk, UNI PASSAU
Comparing solar photovoltaic and battery adoption in Ontario and Germany: an agent-based approach [1]	21/03/2018	Energy Informatics	Accepted Journal paper	UNI PASSAU
Whole Day Mobility Planning with Electric Vehicles [9]	16/01/2018	International Conference on Agents and Artificial Intelligence ICAART'18	Accepted Scientific Publication	CVUT
EV Charging Coordination to secure Power Grid Stability [10]	23/10/2017	1st E-Mobility Power System Integration Symposium (Berlin)	Accepted Scientific Publication	UNIMA, UNI PASSAU, THD, GFI
Integrated Route, Charging and Activity Planning for Whole Day Mobility with Electric Vehicles [11]	20/02/2018	Lecture Notes in Computer Science (including subseries	Accepted Journal paper	CVUT

		Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		
Dynamic pricing strategy for electromobility using markov decision processes [12]	16/01/2018	International Conference on Agents and Artificial Intelligence ICAART'18	Accepted Scientific Publication	CVUT
Assisting EV Drivers to Act Smarter: [13]	23/10/2017	1st E-Mobility Power System Integration Symposium (Berlin)	Accepted Scientific Publication	UNIMA

Furthermore, some papers from partners of the project are already accepted, but the publication date is during the third project year, hence they will be included in the last period report.

II.5. Brochures and posters

Brochures and posters are another important part in our dissemination strategy. In the first step, one poster showing the whole picture of the project was designed with the involvement of all partners. During the project timeline, different partners designed more specific posters fitting to their specific problems and solutions. As posters are ideal medium to communicate the goals of ELECTRIFIC at first sight, this KPI was referenced in D9.1 with the number K8 (Total events and posters presented) and has reached its objective. In the second project period, posters have been presented at 5 events.

The purpose of brochures is to give more detailed information to people. The idea is to give brochures to attendants on events ELECTRIFIC is present. This KPI was referenced in D9.1 with the number K9. In addition to the last year's events, brochures were distributed during the day of research at THD. Next we highlight the corresponding poster presentation events carried out in the second year:

Title (original language): Presented a poster on battery health at the CoFAT'2018 conference		
Event Location:	Fürstenfeldbruck, Germany	
Event Date:	08/05/2018	Talk Type: not declared
Audience Size:	350	Audience Mixed
Projects Partner involved:		THD, UNI PASSAU, BAYERNWERK
Abstract: Done by THD, UNI PASSAU and Bayernwerk		

Title (original language): Presented a poster about the charging scheduler

Event Location:	THD	
Event Date:	08/03/2018	Talk Type: not declared
Audience Size: 166 Audience Mixed		
Projects Partner involved:	THD	
Abstract: At the day of research at THD, Nicki Bodenschatz and Markus Eider presented a poster about the current realization of the charging scheduler and future approaches.		

Title (original language): Presented the ELECTRIFIC poster at a booth at the SENIORita exhibition		
Event Location:	Deggendorf, Germany	
Event Date:	17/02/2018	Talk Type: not declared
Audience Size: 2200 Audience Mixed		
Projects Partner involved:	THD, E-Wald	
Abstract: Presented the ELECTRIFIC poster at a booth at the SENIORita exhibition		

Title (original language): Presented the ELECTRIFIC poster at THD's graduation ceremony		
Event Location:	Deggendorf, Germany	
Event Date:	18/11/2017	Talk Type: not declared
Audience Size: 1100 Audience Mixed		
Projects Partner involved:	THD	
Abstract: At the THD graduation ceremony "Dies Academicus 2018" ELECTRIFIC was present with a booth.		

Title (original language): Presented the ELECTRIFIC poster at an electro mobility workshop at THD		
Event Location:	THD	
Event Date:	28/09/2017	Talk Type: not declared

Audience Size: 130 Audience Mixed	
Projects Partner involved:	THD
Abstract: Presented the ELECTRIFIC poster at an electro mobility workshop at THD.	

II.6. Project related videos

Stimulating eyes and ears with a video is an ideal way to reach the audiences maximum attention. Altogether there are two videos planned within the project. Currently our first video, created by Gfi marketing team, is available on our website[1].

Figure 21: All ELECTRIFIC stakeholders.

Figure 22: Ms. Smart Station.

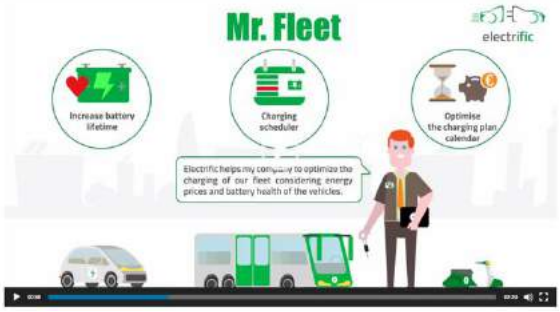


Figure 23: Mr. Fleet.

Figure 24: Ms. Greensmart.

This video has been released on the project website, Facebook and Twitter linking it with our YouTube channel and achieved over 140 views so far. A second video will be produced closer to the end of the project, summarizing the achieved results.

II.7. Community building activities

This chapter refers to those activities that serve to establish synergies with other European projects, initiatives and liaisons. It also means to be in relation with the EV community, which has a special focus on electric vehicle manufacturers.

Title (original language): Meeting Europcar		
Event Location:	Paris (France)	
Event Date:	12/07/2018	Talk Type: External
Audience Size: 2 Audience Type: Business		

[1] https://electrific.eu/concept

Projects Partner involved: GFI		
Abstract: Electrific was presentend at the car rental company Europcar.		

Title (original language): Kolloqiumstalk Hannover		
Event Location:	Hannover	
Event Date:	06/07/2018	Talk Type: not declared
Audience Size:	30	Audience Type: Scientific
Projects Partner involved: UNI PASSAU		
Abstract: Presentation of research area of UNI PASSAU and the ELECTRIFIC project in Hannover.		

Title (original language): Electrific - Intelligent und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Unterschleißheim/Bavaria	
Event Date:	16/05/2018	Talk Type: not declared
Audience Size:	20	Audience Type: industry
Projects Partner involved: Bayernwerk		
Abstract: Presentation in the context of a business lunch at Bayernwerk's customer center in Unterschleißheim/Bavaria/Germany.		

Title (original language): Electrific - Intelligent und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Penzberg/Bavaria	
Event Date:	16/05/2018	Talk Type: not declared
Audience Size:	20	Audience Type: industry
Projects Partner involved: Bayernwerk		
Abstract: Presentation in the context of a business lunch at Bayernwerk's customer center in Penzberg/Bavaria/Germany.		

Title (original language): Electrific - Intelligent und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Regen/Bavaria	
Event Date:	08/05/2018	Talk Type: not declared
Audience Size:	18	Audience Type: industry
Projects Partner involved: Bayernwerk		
Abstract: Presentation in the context of a business lunch at Bayernwerk's customer center in Regen/Bavaria/Germany.		

Title (original language): Electrific - Intelligent und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Parsberg/Bavaria	
Event Date:	03/05/2018	Talk Type: not declared

Audience Size:	20	Audience Type: industry
Projects Partner involved: Bayernwerk		
Abstract: Presentation in the context of a business lunch at Bayernwerk's customer center in Parsberg/Bavaria/Germany.		

Title (original language): Electrific - Intelligent und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Bamberg/Bavaria	
Event Date:	24/04/2018	Talk Type: not declared
Audience Size:	16	Audience Type: industry
Projects Partner involved: Bayernwerk		
Abstract: Presentation in the context of a business lunch at Bayernwerk's customer center in Bamberg/Bavaria/Germany.		

Title (original language): Electrific - Intelligent und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Marktheidenfeld/Bavaria	
Event Date:	24/04/2018	Talk Type: not declared
Audience Size:	19	Audience Type: industry
Projects Partner involved: Bayernwerk		
Abstract: Presentation in the context of a business lunch at Bayernwerk's customer center in Bamberg/Bavaria/Germany.		

Title (original language): Electromobility		
Event Location:	Furth im Wald / Bavaria / Germany	
Event Date:	19/03/2018	Talk Type: External
Audience Size:	30	Audience Type: mixed
Projects Partner involved: Bayernwerk		
Abstract: Wolfgang Duschl gave a lecture on electromobility at the secondary school in Furth im Wald and also dealt with the challenges for distribution system operators and Electrific's solution approach (proactive and reactive)		

Title (original language): Presentation of ELECTRIFIC to students of the technical school in Deggendorf		
Event Location:	Deggendorf, Germany	
Event Date:	16/03/2018	Talk Type: External
Audience Size:	20	
Audience Type: Students		
Projects Partner involved: THD		

Abstract:
During the visit of students at THD, Nicki and Michael presented ELECTRIFIC and offered test drives with different EVs. Especially during test drives, the acceptance of the students was very high.

Title (original language): Personal talk about ELECTRIFIC and electromobility with delegates of the Rafik Hariri University from Mechref, Libanon		
Event Location:	Deggendorf, Germany	
Event Date:	13/03/2018	Talk Type: External
Audience Size:	2	
Audience Type: Academic		
Projects Partner involved: THD		
Abstract: In the context of a two day cooperation event between THD and the Rafik Hariri University from Mechref, Libanon, Markus explained ELECTRIFIC, challenges on electro mobility as well as the current research and experiments to the attendees:		

Title (original language): Electrific - Intelligent and user friendly integration of electromobility		
Event Location:	Bayernwerk, Regensburg	
Event Date:	15/02/2018	Talk Type: Internal
Audience Size:	5	Audience Type: mixed
Projects Partner involved: Bayernwerk		
Abstract: In-house presentation of the Electrific Project.		

Title (original language): NeMo - ELECTRIFIC Cooperation		
Event Location:	Conference call	
Event Date:	19/01/2018	Talk Type: Internal
Audience Size:	5	Audience Type: mixed
Projects Partner involved: GFI		
Abstract: Confcall about Electrific.		

Title (original language): Presentation of the Electrific project		
Event Location:	Praha	
Event Date:	13/12/2017	Talk Type: External
Audience Size:	40	
Audience Type: energy specialists		
Projects Partner involved: é-summava		
Abstract: Presentation of the Electrific project		

Title (original language): Forum Smart City du Grand Paris		
Event Location:	Hôtel de Ville de Paris	
Event Date:	28/11/2017	Talk Type: External
Audience Size: 600 Audience Type: smart city experts		
Projects Partner involved: GFI		
Abstract: Presentation of the ELECTRIFIC project at workshop for the French Smart Cities experts		

Title (original language): Insights for sustainable consumption, Deutsches Institut für Entwicklungspolitik		
Event Location:	Bonn	
Event Date:	23/11/2017	Talk Type: External
Audience Size: 100 Audience Type: professionals		
Projects Partner involved: UNIMA		
Abstract: Insights for sustainable consumption, Deutsches Institut für Entwicklungspolitik		

Title (original language): Electrific - Intelligente und benutzerfreundliche Integration von Elektrofahrzeugen		
Event Location:	Bayernwerk, Regensburg	
Event Date:	13/11/2017	Talk Type: External
Audience Size:	1	Audience Type: Industry
Projects Partner involved: Bayernwerk		
Abstract: The Electrific Project was presented to the leader of Charge-ON GmbH, with the E-Mobility solution E.ON Drive.		

Title (original language): The Electrific project was presented to the leader of the grid connection department at Bayernwerk Netz GmbH		
Event Location:	Bayernwerk, Regensburg	
Event Date:	09/11/2017	Talk Type: not declared
Audience Size:	1	Audience Industry

Projects Partner involved: Bayernwerk
Abstract: The Electrific project was presented to the responsible person of an internal Bayernwerk department, who is responsible for spreading the topic of e-mobility throughout the company 

Title (original language): NeMo (H2020 project) stakeholder conference		
Event Location:	IBM headquarter, Ehningen (Germany)	
Event Date:	12/10/2017	Talk Type: External
Audience Size:	1	Audience Type: Industry
Projects Partner involved: UNI MANNHEIM		
Abstract: The Electrific Project was presented to a group of IBM researcher.		

II.8. Industry-oriented events and exhibitions

It is very important to link ELECTRIFIC with the economy and communicate the goals of ELECTRIFIC to the industry. Building a relationship of trust with EV stakeholders (politicians, users, manufacturers, etc.) is a fundamental part of the dissemination. The following list consists on the events in which ELECTRIFIC partners have participated during the second project year.

Title (original language): Presentation of ELECTRIFIC at a political event at THD		
Event Location:	THD	
Event Date:	31/07/2018	Talk Type: not declared
Audience Size: 5 Audience Type: Political		
Projects Partner involved: THD		
Abstract: Markus Eider presents ELECTRIFIC to communal and Bavarian state parliament.		

Title (original language): EGVIA workshop		
Event Location:	Brussels	
Event Date:	12/06/2018	Talk Type: not declared
Audience Size:	150	Audience Type: mixed
Projects Partner involved:	GFI	
Abstract: Participation and ELECTRIFIC presentation in the EGVIA workshop		

Title (original language): Presentation of ELECTRIFIC during the Intersolar/Power2Drive Exhibition in Munich		
Event Location:	Munich	
Event Date:	20/06/2018	Talk Type: External
Audience Size:	500	

Audience Type: Business
Projects Partner involved: E -Wald
Abstract: Presentation of ELECTRIFIC during the Intersolar/Power2Drive Exhibition in Munich 

Title (original language): ElectricRoad		
Event Location:	Nantes	
Event Date:	11/06/2018	Talk Type: not declared
Audience Size:	500	Audience Type: Industry
Projects Partner involved:		GFI
Abstract: ELECTRIFIC was presented at Electric Road conference.		

Title (original language): Presented the ELECTRIFIC project		
Event Location:	Metten, Germany	
Event Date:	17/05/2018	Talk Type: not declared
Audience Size:	200	Audience Type: mixed
Projects Partner involved:		THD
Abstract: Presentation at Metten. 		

Title (original language): Transport Research Arena		
Event Location:	Reed Exhibitions in Vienna	
Event Date:	16/04/2018	Talk Type: not declared
Audience Size:	20	Audience mixed
Projects Partner involved: Has To Be		
Abstract: A short presentation of ELECTRIFIC was held in the framing of the European commission H2020. 		

Title (original language): Day of research at THD		
Event Location:	THD	
Event Date:	08/03/2018	Talk Type: scientific talk
Audience Size:	166	Audience Type: mix
Projects Partner involved:		THD

Abstract:
On 8th of March, THD organized a public event presenting its research groups and topics. This includes the ELECTRIFIC project and its research at THD. Various presentations about the research topics as well as a poster session were included in the event program. An ELECTRIFIC booth was set up, where visitors could inform themselves about the challenges and current research with regards to electro mobility.

Title (original language): Presentation of ELECTRIFIC with a booth at the SENIORita exhibition		
Event Location:	City hall, Deggendorf, Germany	
Event Date:	17/02/2018	Talk Type: Exhibition
Audience Size:	2000	
Audience Type: mixed		
Projects Partner involved: E-Wald, THD		

Abstract:
THD presented ELECTRIFIC and E-WALD (with a booth including rollups) and offered test drives with different EVs (Mitsubishi i-MiEV and Nissan LEAF). Also, ELECTRIFIC brochures were distributed. There was a high interest in the presented topics by the exhibition visitors. These could inform themselves about general topics in electromobility as well as the research in the ELECTRIFIC and E-WALD projects. Since the exhibition was held in the E-WALD core region, information about services of E-WALD were provided. The bavarian minister of state, Helmut Brunner, was attending the exhibition as well, getting information about the ELECTRIFIC project.

Title (original language): Presentation of ELECTRIFIC in context of own scientific work at a postgraduate workshop at THD: “Verbesserte Gesundheit von Elektrofahrzeugbatterien aufgrund spezifischer Ladeempfehlungen”		
Event Location:	THD	
Event Date:	18/01/2018	Talk Type: Internal
Audience Size:	15	Audience Type: Scientific
Projects Partner involved: THD		

Abstract:
Markus Eider (THD) held a presentation about EV charging recommendations at a postgraduate workshop at THD. This presentation contains an introduction to own scientific work in the context of ELECTRIFIC and the Charging Influence Trial in WP8.

Title (original language): Presented the ELECTRIFIC poster at THD's graduation ceremony		
Event Location:	Deggendorf, Germany	
Event Date:	18/11/2017	Talk Type: not declared
Audience Size: 1100 Audience Mixed		
Projects Partner involved:	THD	
Abstract: At the THD graduation ceremony "Dies Academicus 2018" ELECTRIFIC was present with a booth.		

Title (original language): Smart City Expo		
Event Location:	Barcelona (Spain)	
Event Date:	15/11/2017	Talk Type: not declared
Audience Size: 30 Audience Type: mixed		
Projects Partner involved: GFI		
Abstract: Presentation in the booth of Barcelona City Council		

Title (original language): Presentation on the mindset and goals as well as insight on technical details of ELECTRIFIC from EFO perspective		
Event Location:	THD	
Event Date:	28/09/2017	Talk Type: not declared
Audience Size: 130 Audience Type: mixed		
Projects Partner involved: THD		
Abstract: At THD's workshop "Fachsymposium Elektromobilität 2017" Andreas Berl (THD) presented the goals of ELECTRIFIC as well as technical details of components in WP5. This contains services to be provided for private as well as commercial users of EFOs and the benefits that these gain by using ELECTRIFIC.		

II.9. Scientific Talks & Presentations

Talks and presentations are an excellent opportunity to spread our vision of ELECTRIFIC. In the second year of the project, ELECTRIFIC has been participating at several different conferences and workshops, either as presenting the ELECTRIFIC project, scientific papers or other project related topics to scientific audience.

Title (original language): Chemnitz Electromobility Conference		
Event Location:	Chemnitz, Germany	
Event Date:	09/08/2018	Talk Type: not declared
Audience Size:	50	Audience Type: mixed

Projects Partner involved:	UNI MANNHEIM
Abstract: Electrific was presented at Chemnitz Electromobility Conference	

Title (original language): Presentation of Dynamic Recommendation Architecture for Battery Health		
Event Location:	Politecnico di Milano, Milan, Italy	
Event Date:	09/07/2018	Talk Type: not declared
Audience Size:	30	Audience Type: Scientific
Projects Partner involved:		THD
Abstract: Markus Eider presented the paper "Dynamic Generation of Recommendations for EV Battery Health" at the Politecnico di Milano, Bovisa Campus. In the presentation, the goal of improving battery health was discussed. Also, the properties of static and dynamic recommendations were proposed. More importantly, the Dynamic Recommendation Architecture was presented to the mixed audience from science and economy. 		

Title (original language): ElectricRoad		
Event Location:	Nantes	
Event Date:	19/06/2018	Talk Type: not declared
Audience Size:	100	Audience Type: Industry
Projects Partner involved:		GFI
Abstract: ELECTRIFIC was presented at Electric Road conference.		

Title (original language): Presented a scientific publication about EV battery health recommendations		
Event Location:	Karlsruhe, Germany	
Event Date:	12/06/2018	Talk Type: not declared
Audience Size:	40	Audience Type: Scientific
Projects Partner involved:		THD
Abstract: Title: Dynamic EV Battery Health Recommendations Presenter: Markus Eider Conference: EV-Sys workshop in conjunction with the ACM e-Energy 2018 conference 		

Title (original language): Presented the Charging Scheduler and Battery Health Monitoring at the EV-Sys workshop		
Event Location:	Karlsruhe, Germany	

Event Date:	12/06/2018	Talk Type: not declared
Audience Size:	40	Audience Type: Scientific
Projects Partner involved:		THD
Abstract: Title: Optimized EV Fleet Charging Scheduling and Battery Health Monitoring Presenter: Markus Eider Conference: EV-Sys workshop in conjunction with the ACM e-Energy 2018 conference		

Title (original laage): EV-Sys 2018		
Event Location:	Karlsruhe, Germany	
Event Date:	12/06/2018	Talk Type: not declared
Audience Size:	40	Audience Type: Scientific
Projects Partner involved:		UNI PASSAU
Abstract: Electtrific smart charger was presented.		

Title (original language): Introduction to ELECTRIFIC Enabling seamless Electromobility through smart vehicle-grid integration		
Event Location:	Karlsruhe - Workshop EV-Sys	
Event Date:	12/06/2018	Talk Type: External
Audience Size: 30 Audience Type: Academics		
Projects Partner involved: UNI MANNHEIM		
Abstract: Electrific was presented to a group of scientist.		

Title (original language): Presented the ELECTRIFIC project at the ACIT conferencePresented the ELECTRIFIC project at the ACIT conference		
Event Location:	České Budějovice, Czech Republic	
Event Date:	01/06/2018	Talk Type: not declared
Audience Size:	90	Audience Type: Scientific
Projects Partner involved:		THD
Abstract: ELECTRIFIC was presented at Advanced Computer Information Technologies (ACIT).		

Title (original language): Presented current battery health research and results at the CoFAT'2018 conference		
Event Location:	Fuerstenfeldbruck, Germany	
Event Date:	09/05/2018	Talk Type: not declared
Audience Size: 350 Audience Type: mixed		
Projects Partner involved: Bayernwerk, THD, UNI PASSAU		
Abstract: Presented current battery health research and results at the CoFAT'2018 conference.		

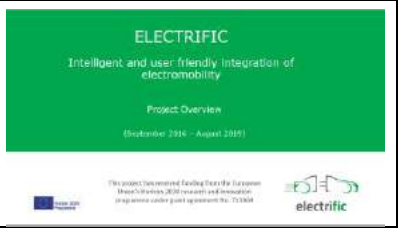
Title (original language): Presented ELECTRIFIC at the "Fachsymposium Elektromobilität" in Teisnach, Germany		
Event Location:	Teisnach, Germany	
Event Date:	19/04/2018	Talk Type: External
Audience Size: 75 Audience Type: mixed		
Projects Partner involved: THD		
Abstract: Title (ger.): Elektromobilität und das Smart Grid - Lösungsansätze für eine mobile Zukunft Presenter: Andreas Berl		

Title (original language): EV Charging Coordination to secure Power Grid Stability @ 1st E-Mobility Integration Symposium		
Event Location:	Berlin	
Event Date:	23/10/2017	Talk Type: External
Audience Size: 50 Audience Type: Professionals, academics		
Projects Partner involved: UNIMANNHEIM, UNIPASSAU,THD,GFI		
Abstract: Joint publication UNIMA, TDH, UNIPA, GFI		

Title (original language): Assist EV Drivers to Act Smarter ELECTRIFIC: Seamless Electromobility

Event Location:	Berlin	
Event Date:	23/10/2017	Talk Type: External
Audience Size: 50 Audience Type: Professionals, academics		
Projects Partner involved: UNIMA		
Abstract: Assist EV Drivers to Act Smarter ELECTRIFIC: Seamless Electromobility		

Title (original language): Presentation of ELECTRIFIC with a booth at THD's workshop on electromobility		
Event Location:	THD	
Event Date:	28/09/2017	Talk Type: External
Audience Size: 130 Audience Type: academic, economic		
Projects Partner involved: THD		
Abstract: At the THD workshop "Fachsymposium Elektromobilität 2017", ELECTRIFIC was present with a booth. Here, attendees could inform themselves about the concept and details about the ELECTRIFIC solution as well as the research.		

Title (original language): Electrific - Intelligent and user friendly integration of electromobility		
Event Location:	UNI PASSAU	
Event Date:	13/09/2017	Talk Type: not declared
Audience Size: 60 Audience Type: mixed		
Projects Partner involved: Bayernwerk, UNI PASSAU		
Abstract: The Electrific project was presented at the Summer School at the University of Passau. .		

II.10. Workshops

This dissemination channel is related to the fact that some of the partners in the consortium will organize workshops within the context of ELECTRIFIC. Until now, the following three KPI were created:

- K 16 has the objective of 3 total number of workshops organized by the consortium
- K 17 has the target of 8 total number of accepted publications per workshop in case it is paper based
- K 18 has the objective of achieving 25 attendees to the workshop

Title (original language): Smart Cities by Gfi 2		
Event Location:	Gfi St Ouen (France)	
Event Date:	25/06/2018	Talk Type: Workshop

Audience Size:	10
Audience Type: mixed	
Projects Partner involved: GFI	
Abstract: Presentation offer Smart Cities by Gfi Axe en Province	

Title (original language): EV-Sys at e-Energy 2018		
Event Location:	Karlsruhe	
Event Date:	12/06/2018	Talk Type: Workshop
Audience Size:	40	
Audience Type: mixed		
Projects Partner involved: UNI PASSAU		
Abstract: Electromobility is an essential component in decarbonising road transportation and mobility. Still, the biggest obstacles in the wide acceptance of Electric Vehicles (EVs) relate to the limited driving range of electric vehicles and to the scarcity of interoperable charging infrastructure and electromobility services. A novel approach is needed to fully take advantage of the design freedoms and the opportunities for defining and developing electric and electronic architecture and components. This should result in increased efficiency and range and make a major contribution towards the transition to fully electric vehicles (FEV's). EV-Sys 2018 was a full-day workshop that took place in conjunction with the ninth ACM International Conference on Future Energy Systems (ACM e-Energy), in Karlsruhe, Germany, on 12 June 2018.		

Title (original language): Smart Cities by Gfi 1		
Event Location:	Gfi St Ouen (France)	
Event Date:	01/06/2018	Talk Type: Workshop
Audience Size:	10	
Audience Type: mixed		
Projects Partner involved: GFI		
Abstract: Workshop Smart Cities by Gfi - Perpignan		

Title (original language): SGAM workshop		
Event Location:	Universität Passau	
Event Date:	21/12/2017	Talk Type: Workshop
Audience Size:	16	
Audience Type: internal		
Projects Partner involved: UNI PASSAU		
Abstract: SGAM workshop organized for project partners to create a basic knowhow about the SGAM-Toolbox for modeling energy infrastructure related software projects.		

Title (original language): Presentation on the mindset and goals as well as insight on technical details of ELECTRIFIC from EFO perspective		
Event Location:	THD	
Event Date:	28/09/2017	Talk Type: Workshop
Audience Size: 130 Audience Type: mixed		
Projects Partner involved: THD		
Abstract: At THD's workshop „Fachsymposium Elektromobilität 2017" Andreas Berl (THD) presented the goals of Electrific as well as technical details of components in WP5. This contains services to be provided for private as well as commercial users of EFOs and the benefits that these gain by using ELECTRIFIC.		

II.11. University education

This dissemination channel concerns academic partners in terms of (1) proposed bachelor/master thesis, (2) newly created lecture units and (3) proposed seminars and practical courses. Next, we demonstrate each activity separately by emphasizing the corresponding academic institution.

II.11.1. Bachelor/Master Thesis

This KPI was referenced in D9.1 with the number K19 and has the following objective: 13 proposed bachelor/master thesis within 3 years of the project.

UNIMA proposed the following one bachelor thesis:

Table 3: UNIMA master and bachelor theses.

Title	Start date	Student	Type
Quantitative Analysis of the Market for EV Grid Integration	15/05/2018	Fabian Seitz	Master
Development of scenarios for the future impact of electric vehicles on the power grid	08/02/2018	n/a	Bachelor

UNI PASSAU proposed in the second year three master theses within the context of ELECTRIFIC and power quality (WP4).

Table 4: UNI PASSAU master and bachelor theses.

Title	Start date	Student	Type
Comparison of Different Forecasting Models for Load and PV Output behind the Meter	09/08/2018	n/a	Bachelor
Multi-criteria based optimization of charging scheduler for Electric vehicles	11/12/2017	n/a	Master

THD proposed three theses in the context of battery health monitoring system, charging scheduler and user profiling.

Table 5: THD master and bachelor theses.

Title	Start date	Student	Type
Realisation and Analysis of a Charging Scheduler	19/07/2018	Marco Kretschmann	Bachelor

Simulation			
Secure Client Authentification for Distributed Application and File Systems in the Example E-WALD	14/06/2018	Daniel Frielmaier	Master
Development of a Prototype for Automated Usage Profiling of Electric Vehicles	17/05/2018	Benjamin Temme	Bachelor

II.11.2. Lecture Units

This KPI was referenced in D9.1 with the number K20 and has the following objective: 6 total number of newly created lecture units within 3 years of the project.

Table 6: Lectures.

Title	Start date	University	Type
Colloquium Psychology Heidelberg SS2018	09/07/2018	UNIMA	Lecture
Models of Decision Making, Uni Heidelberg	04/07/2018	UNIMA	Lecture
Computer Networking and Energy Systems (WS17/18)	09/02/2018	UNI PASSAU	Lecture
Energy Informatics (WS17/18)	09/02/2018	UNI PASSAU	Lecture
Colloquium Consumer Psychology Mannheim (WS17/18)	19/10/2017	UNIMA	Lecture

II.11.3. Seminars and Practical Courses

This KPI was referenced in D9.1 with the number K21 and has the following objective: 6 proposed seminars and practical courses within 3 years of the project.

UNIMA proposed the following three seminars:

Table 7: UNIMA seminars.

Title	Start date	Student
A Discussion of Business Models in E-Vehicle Charging	01/03/2018	n/a
Methods and Standards for Charging of Electric Vehicles	01/03/2018	n/a
Empirical Practicum Uni Heidelberg	24/10/2017	n / a

CVUT proposed the following seminar:

Table 7: CVUT seminar.

Title	Start date	Student
Whole Day Mobility Planning with Electric Vehicles	11/01/2018	n/a

And **UNI PASSAU** one seminar, which leads to a total number of 12 seminar papers:

Table 7: UNI PASSAU seminar.

Title	Start date	Student
E-Mobility: The Challenge of Integration	12/07/2017	n /a

From the before mentioned activities, it can be concluded that the KPI K21 achieved its objectives (5 out of 6) in the second year, which can be interpreted as almost fulfilled.

III. KPI WATCH

The Key Performance Indicator (KPI) Watch provides a quick overview on the results of dissemination activities ELECTRIFIC partners executed so far. The status is derived by comparing the expected values with the achieved ones (at release date of this deliverable) and based on that, the traffic light symbol displays the possibility to reach the expected values from D9.1. This KPI Watch includes all activities that were carried out in the first and second year of the project. In case the average value per year is given, the KPI watch is approximating to the whole required value.

Linear approximation of the current progress will not reach the expectations.

Linear approximation of the current progress will reach the expectations.

Current progress already reached the expectations.

Table 8: Table of KPIs and their current status.

KPI	Planned in D9.1	Achieved by end of 2018/08	Status
Number of returning website visitors per year (K1.1)*	400 / year	624	
Number of unique website visitors per year (K1.2)*	800 / year	708	
Number of received feedback per year (K2)	5 / year	1	
Total number of likes on Facebook (K3)	50	83	
Total number of followers on Twitter (K4)	150	62	
Total number of followers on LinkedIn (K5)	100	2	
Total number of Wikipedia pages created (K6)	1	0	
Total number of press releases published by the different countries of the consortium (project phase dependent and includes online articles) (K7)	15	39	
Total number of events poster presented (K8)	5	8	
Total number of events brochures distributed (K9)	5	4	

Total number of videos presenting the project (K11	2	2	
Total number of accepted journal papers (K11)	3	2	
Total number of accepted scientific publications (K12)	10	12	
Total number of synergies built (K13)	8	27	
Total number of participation in European events (K14)	10	31	
Total number of active contributions in conferences and workshops (paper and not paper based) (K15)	14	19	
Total number of workshops organized (K16)	3	5	
Total number of accepted publications per workshop (if the workshop is paper-based) (K17)	8	15	
Number of attendees to the workshop (K18)	25	239	
Number of proposed master, bachelor theses (K19);	13	20	
Total number of newly created lecture units (K20);	6	6	
Number of proposed seminars and practical courses (K21)	6	5	

* These values are extrapolated based on the available data

IV. KPI EVALUATION

KPIs measure the performance of the consortium in achieving the desirable objectives established from the dissemination point of view. As seen above, they are divided according to channel/activity.

Regarding the website, which is the first channel reported, there were several modifications in the second year of the project. Among them, initial results of the single work packages are added and published papers a referenced on the respective site. In the next months, following the submission of different deliverables to the EC, there will be further modifications that update the websites content with latest results and information about the project. The desirable amount set for K1.1 (returning website visitors per year) was 400 and we have achieved more than 624 returning visitors during this second period. This number is based on the extrapolation of the available data after the server crash. When it comes to unique visitors per year (K1.2) the KPI was 800 and we have 708, again as an extrapolation. This numbers are quite well, but still miss the objectives goal and lack confidentiality due to the extrapolation. Consequently, we should increase the number of entries (publications) in different website's sections and disseminate these contents through the project's social media profiles. Since the feedback through the website is still on a very low level, we hope that we will be able to gather direct feedback from participants of our trials.

In Social Networks, the good numbers from the first year stagnated a bit, hence we have to raise the number of publications and create new contents regularly. These required actions are underlined by too low numbers of followers and interactions on Facebook (K3), Twitter (K4) and LinkedIn (K5). We will put a lot more effort in this during the last period. In the case of LinkedIn, we should reach a more professional, scientific and specialized audience. This social network should be our flagship. In reference to Facebook and Twitter, we should also be more dynamic and create attractive contents faster.

KP6 refers to the creation of a Wikipedia page. In fact, it was not meant to be launched during the first and second period, as only preliminary trial results are available yet, and therefore it is better to start working on it during the last period.

One other important project dissemination channel is the creation of press releases to be sent to different media (printed or online, general public or specialized) in order to attract their attention. The expected number of press releases (printed and online articles) was defined to be 15, even so in the first year already 28 were were released and could even be further increased to over 39 after year two. Nevertheless, the press activities are mainly driven by the German project partners. In order to increase the audience range to whole Europe, all other partners shall increase their effort to work on this KPI in the last year of the project.

The number of poster presentation drastically increased during the second year of the project. The expected number of 5 poster presentations (K8), was already reached in the second project period. Nevertheless, poster presentation events will also take place in the last period of the project. Regarding the KPI K9 (brochure distribution in events), we have reached better numbers. Nevertheless, more effort should be dedicated in order to improve the performance as we still believe that brochures are an important channel of information.

A first video of the project was produced during the first period and another one in the second period. It is also planned to create a last video containing projects results in the last period. That means that the Consortium is, at the moment, meeting the expectations regarding the productions of videos (KP10).

In reference to the community building activities, the KPI targets at 8 for the whole project and at the present we have achieved 27. This outstanding number by far reached the expected goals. Furthermore, it needs to be mentioned that we reached a wide range of different communities, including distribution system operators, fleet operators, other topic related EU projects and the scientific community.

ELECTRIFIC partners have been present at over 12 industrial events and exhibitions in the second period of the project. In addition to the work done in the first period, the KPI K14 can be seen as fulfilled. Nevertheless, it will still be considered to disseminate the project results at further events and exhibitions.

During the project, ELECTRIFIC partners committed to organize 3 workshops. These events are complex to organize, even more if they are academic and paper-based. During the second year, the project consortium organized a set of academic and non-academic workshops. Among them, the “Summer School: Future Energy Systems” in Passau in September 2017 with more than 50 academic participants and lecturers from different universities in Germany, Europe and even from overseas. A second academic workshop was hosted by THD end of September 2017 with a total number of 130 participants and 10 accepted papers. In cooperation with the EU project NeMo, the EV-Sys workshop at the ACM e-Energy conference 2018 was organized. This workshop accepted 5 scientific paper-based publications and counted a number of over 40 participants. Overall, with these three academic workshops, the KPI can be seen as fulfilled. Nevertheless, several non-academic workshops were organized in the second period. Among them, two Smart City workshops by Gfi and a SGAM workshop, mainly intended for the project itself, were organized.

Finally, the KPIs that concern university education are divided into three separate categories: (1) proposed master/bachelor thesis, (2) new lecture units, and (3) proposed seminars. The number of category 1 has drastically increased in the second period due to excellent work of the academic partners. Even so the amount of master and bachelor thesis already reached the expectations, it will further increase in the last period, since there are still several ongoing master and bachelor thesis and over one year left for new topics to be proposed.

Concerning the category of new lecture units, lots of effort was put into a newly created lecture called “Energy Informatics” by UNI PASSAU. In addition to that, existing lecture slides and content was enhanced with the project perspectives. Furthermore, two colloquiums and a lecture unit about “Models of Decision Making” were established at UNIMA. With this excellent effort from the two universities, the expected KPI value was reached in the second period of the project. Since transferring the knowledge gained through the project to students and young researchers is a main objective of the academic partners, there will be additional plans to integrate e.g. project results in future lectures.

V. REFERENCES

[1] A. Alyousef, A. Adepetu, and H. de Meer, “Comparing solar photovoltaic and battery adoption in Ontario and Germany: an agent-based approach,” *Comput. Sci. - Res. Dev.*, vol. 32, no. 1–2, pp. 211–223, 2017.

[2] J. Mrkos and M. Jakob, “Revenue Maximization for Electric Vehicle Charging Service Providers Using Sequential Dynamic Pricing,” *Proc. ofthe 17th Int. Conf. Auton. Agents Multiagent Syst. (AAMAS 2018)*, no. 2014, pp. 832–840, 2018.

[3] M. Eider and A. Berl, “Dynamic Generation of Recommendations for EV Battery Health,” *Int. Conf. Electr. Electron. Technol. Automot.*, no. 1, 2018.

[4] M. Eider and A. Berl, “Dynamic EV Battery Health Recommendations,” in *Proceedings of the 3th Workshop on Electric Vehicle Systems, Data, and Applications of EV-Sys ’18*, 2018.

[5] P. Danner, W. Duschl, D. Danner, and H. De Meer, “Flexibility Reward Scheme for Grid-Friendly Electric Vehicle Charging in the Distribution Power Grid,” in *Proceedings of the 3th Workshop on Electric Vehicle Systems, Data, and Applications of EV-Sys ’18*, 2018, pp. 1–6.

[6] A. Alyousef, D. Danner, F. Kupzog, and H. de Meer, “Design and Validation of a Smart Charging Algorithm for Power Quality Control in Electrical Distribution Systems,” in *Proceedings of the ninth International Conference on Future Energy Systems of e-Energy ’18*, 2018, pp. 1–2.

[7] N. Bodenschatz, D. Schramm, M. Eider, and A. Berl, “Classification of Electric Vehicle Fleets Considering the Complexity of Fleet Charging Schedules,” *ninth ACM Int. Conf. Futur. Energy Syst. (ACM e-Energy)*, pp. 3–5, 2018.

[8] M. Eider, N. Bodenschatz, A. Berl, P. Danner, and H. de Meer, “A Novel Approach on Battery Health Monitoring,” *Proc. Iternational Conf. Futur. Automot. Technol.*, 2018.

[9] M. Cuch, M. Stolba, and M. Jakob, “Whole Day Mobility Planning with Electric Vehicles,” *ICAART 2018 - Proc. 10th Int. Conf. Agents Artif. Intell.*, vol. 2, pp. 154–164, 2018.

[10] B. Kirpes, S. Klingert, R. Basmadjian, H. de Meer, M. Eider, and M. Perez Ortega, “EV Charging Coordination to secure Power Grid Stability,” *1st E-Mobility Power Syst. Integr. Symp.*, 2017.

[11] M. Cuch, M. Stolba, and M. Jakob, “Integrated Route, Charging and Activity Planning for Whole Day Mobility with Electric Vehicles,” *Lect. Notes Comput. Sci. (including Subser. Lect. Notes Artif. Intell. Lect. Notes Bioinformatics)*, 2018.

[12] J. Mrkos, A. Komenda, and M. Jakob, “Dynamic pricing strategy for electromobility using markov decision processes,” *ICAART 2018 - Proc. 10th Int. Conf. Agents Artif. Intell.*, vol. 2, no. Icaart, pp. 507–514, 2018.

[13] C. Kacperski and F. Kutzner, “Assisting EV Drivers to Act Smarter :,” *1st E-Mobility Power Syst. Integr. Symp.*, 2017.


electrific