



**DEMO**  
**4GRID**

2<sup>nd</sup> Update of the  
Communication, Dissemination and  
Awareness Plan  
(CDAP)

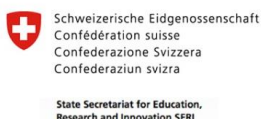
WP7 Dissemination & Exploitation

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DELIVERABLE 7.4

GRANT AGREEMENT 736351  
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**PUBLIC** / CONFIDENTIAL

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## DOCUMENT CHANGE CONTROL

Version Number	Date	Author(s)	Brief Description of changes
1.1	11/01/2017	Maite Imirizaldu, FHA	Draft
1.2	24/01/2018	Maite Imirizaldu, FHA	
1.3	20/02/2018	Maite Imirizaldu, FHA	
1.4	07/03/2018	Maite Imirizaldu, FHA	
1.5	19/03/2018	Maite Imirizaldu, FHA	1 <sup>st</sup> Update
2.1	15/01/2019	Ernst Fleischhacker, FEN Systems	
2.2	28/02/2019	Ernst Fleischhacker, FEN Systems	
2.3	8/03/2019	Nikolaus Fleischhacker, FEN Systems	
2.4	15/03/2019	Magdalena Schreter, FEN Systems	
2.5	20/03/2019	Ernst Fleischhacker, FEN Systems	
2.6	25/03/2019	Magdalena Schreter, Ernst Fleischhacker, FEN Systems	2 <sup>nd</sup> Update
2.7	30/03/2019	Maite Imirizaldu, FHA	
2.8	15/04/2019	Maite Imirizaldu, Fha	Corrections.
2.9	25/07/2019	Mercedes Sanz, Fha	Corrections.

Table 1. Document Change Control

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## EXECUTIVE SUMMARY

This is the second update of the Communication Dissemination and Awareness Plan (CDAP) of the Demo4Grid project. It was managed by FEN Systems and is containing all the additional activities since the 1<sup>st</sup> Update in March 2018, which was managed by FHA. This report describes all the actions, activities and improvements on the communication tools and channels developed and used for a successful dissemination since the beginning of the project. The CDAP is also a part of the measures to maximise the Project's impact. It describes the dissemination goals, target audiences and the appropriate channels to provide a regular flow of information. The CDAP has to be updated every year. A final report on all the dissemination activities and materials has to be made at the end of the project.

The current deliverable represents also the monitoring of the dissemination targets (milestones) of the Demo4Grid project. The next important dissemination milestone is a general workshop on the MPreis site, which has to be directed to all public target groups in Tyrol and to the community in which the demonstration project is located. This launch event should show the deployment of the FCH technologies in the project and the beginning of the project operation. This milestone has to be shifted to the start of construction works, which are delayed because of huge problems with land owners, a crucial re-budgeting process and also a significant delay with the project approvals.

Within the Demo4Grid Project Europe's largest single stack pressurized electrolysis plant should be set up and tested in Völs near Innsbruck. It should regulate the electricity network of TIWAG (regional electricity supplier) and heat the bakery of MPreis (regional food producer and trader) with green hydrogen. The Green Energy Center Europe in Innsbruck (owner FEN Systems) is the catalyst and also the regional dissemination point for the project. The protagonists and European project partners are working responsibly together there over a 5 year's project time. Co-working spaces, seminar rooms, Skype rooms, lounges, advertising pylons, hydrogen cars and a generally accessible information point are available now for handling the project management and dissemination tasks for this important European project. Green hydrogen from regional resources for industrial purposes (heating supply and mobility solutions) is the overall topic of the project.

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## 1. OBJECTIVES

The objective of the current Deliverable is to update the information on the activities regarding the development and tracking of the "Communication, Dissemination and Awareness Plan" (CDAP) during the 1st and 2nd project year. It has to report against the contractual condition "to achieve the highest possible impact and visibility of the project" which means:

- to disseminate the project results towards the main stakeholders regarding not only the sectors addressed by the proposal but all the interested actors involved (public and private),
- to raise awareness and promote the technology/economic/environmental/social aspects of the demonstrated results and their possible applications with potentially interested parties across several user groups, and
- to enhance the awareness of the citizens on the use of the EC funds to improve the competitiveness of the EU and wellbeing of its population.

## 2. INTRODUCTION INTO THE PROJECT

Demo4Grid project (Demonstration of 4MW Pressurized Alkaline Electrolyser for Grid Balancing Services) is part of the European Horizon 2020 program, The EU Framework Programme for Research and Innovation. Horizon 2020 is the biggest EU Research and Innovation programme ever done, with nearly €80 billion of funding available during 7 years (2014 to 2020).



Figure 1. Horizon 2020 logo

By coupling research and innovation, Horizon 2020 emphasises on excellent science, industrial leadership and tackling societal challenges. The goal is to ensure Europe produces world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in delivering innovation.

H2020 covers a large number of areas in which energy is included as a priority. The European Union has established the objective of the major "decarbonization" of its energy system by 2050. To reach this goal, fuel cells and hydrogen technologies are aimed to play a key role due to its properties of energy carriers. It will be possible to generate large quantities of "green"

hydrogen from the excess energy from renewable sources for subsequent use in transport (fuel cells to power vehicles), in energy applications (re-electrification, powering stationary fuel cells in cogeneration systems, back-up systems, and the injection of hydrogen into gas systems) and industrial applications (generation of hydrogen mainly for the chemical industry).

In order to accelerate the development of these technologies in the most efficient way, the European Union has joined forces with European industry and research institutes in a public-private partnership, the Fuel Cells and Hydrogen Joint Technology Initiative (JTI), who supports numerous projects such as Demo4Grid. This project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking (FCH 2 JU) under agreement No 736351.

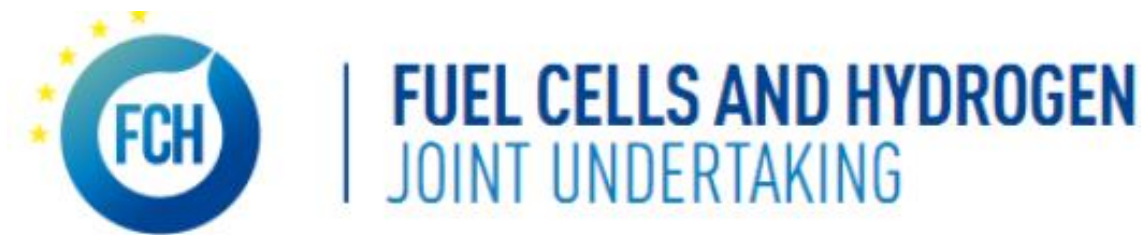


Figure 2. FCH JU logo

The topic of the FCH 2 JU in which Demo4Grid project is framed is FCH-02-7-2016 Demonstration of large-scale rapid response electrolysis to provide grid balancing services and to supply hydrogen markets. The main aim of project Demo4Grid is the commercial setup and demonstration of a technical solution utilizing “above state of the art” Pressurized Alkaline Electrolyser (PAE) technology for providing grid balancing services in real operational and market conditions. In order to validate existing significant differences in local market and grid requirements Demo4Grid has chosen to setup a demonstration site in Austria (Völs near Innsbruck) to demonstrate a business case for the operation of a large scale electrolyser adapted to specific local conditions that will be found throughout Europe. To achieve that, Demo4Grid will demonstrate at this demo site with particular needs for hydrogen as a means of harvesting RE production:

- a technical solution to meet all core requirements for providing grid balancing services with a large scale PAE in direct cooperation with grid operators,
- a market based solution to provide value added services and revenues for the operation strategy to achieve commercial success providing grid services and those profits obtained also from the hydrogen application.
- Aiming at the exploitation of the results after the project ends, Demo4Grid will assess the replicability and viability of various business cases Demo4Grid will be the decisive demonstration stage of previous FCH-JU projects related to the PAE addressed in this proposal.

The ELYGRID (FCHJU project GA number 278824) and the DEMO4GRID (FCHJU project GA number 671458) projects have provided promising results on the development of PAE to



provide grid services operating under dynamic profiles, with the Demo4grid project these conclusions will be validated at real scale in an ambitious demonstrative project.

Within this technical and commercial framework Europe's largest Pressurized Alkaline Electrolyser (PAE) will be built in Völs near Innsbruck for the Demonstration of Grid Services and the production of Green Hydrogen for the industrial purpose. Green hydrogen from regional resources for industrial heating and mobility is the overall topic of the project. Europe's largest single stack electrolyser plant will be build and tested at the Mpreis site in Völs near Innsbruck. The electrolyser should regulate the electricity network of the regional electricity supplier TIWAG and heat the Therese Mölk Bakery of the regional food producer and trader MPreis with green hydrogen.

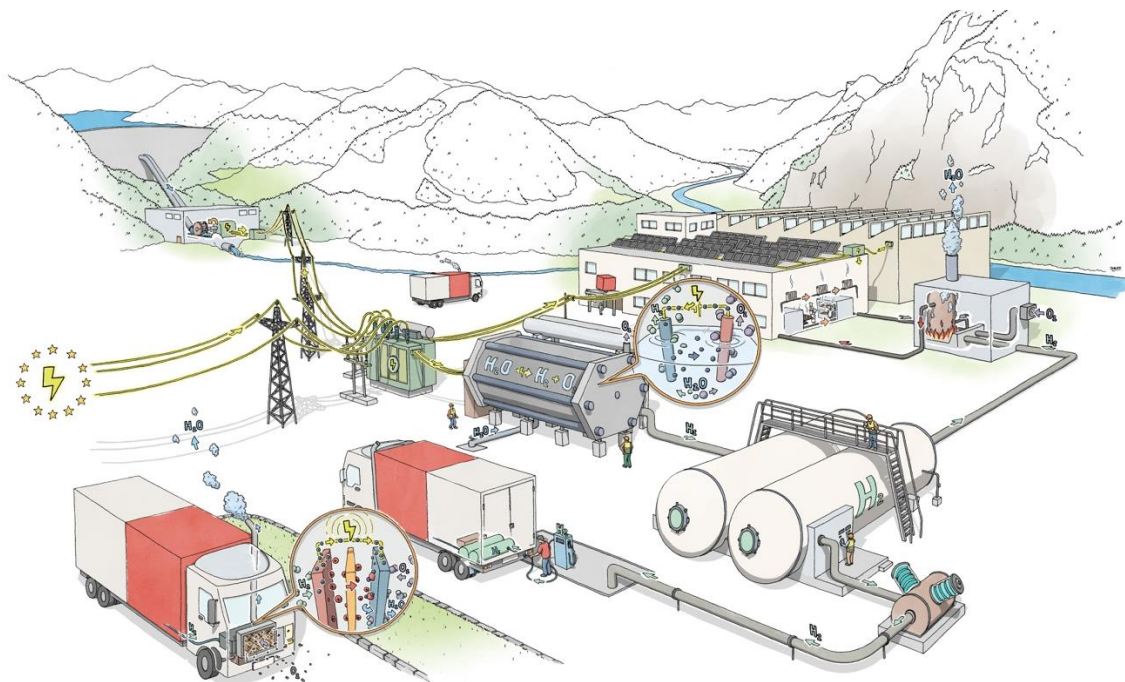


Figure 3. Scheme of the Demo4Grid Site Völs near Innsbruck

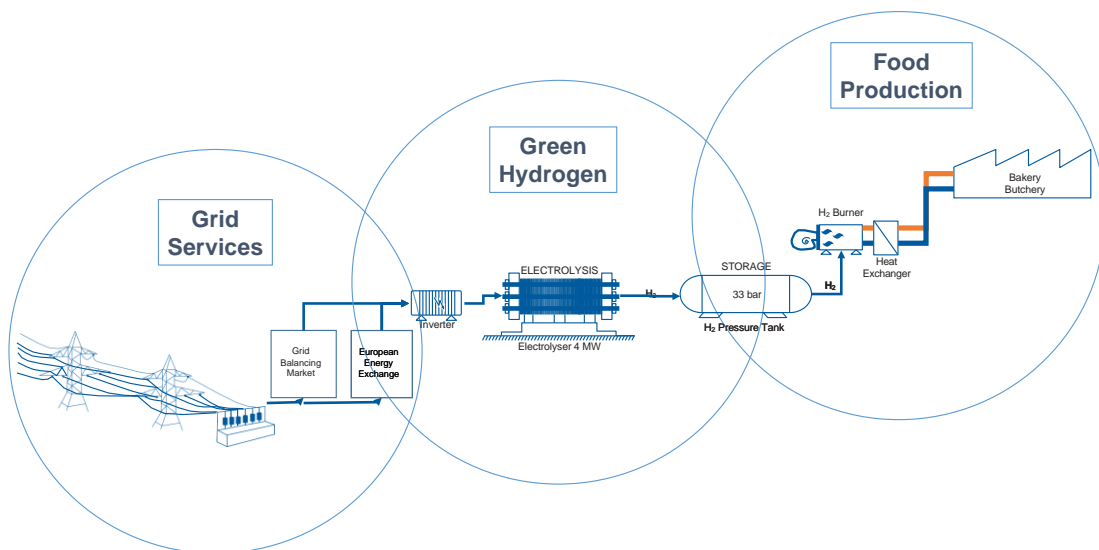


Figure 4. Technical Scheme of the Demo4Grid Project

The Green Energy Center Europe in Innsbruck is the catalyst and regional dissemination point for this important project. The protagonists and European project partners are working responsibly together over a 5 year's project time.



Figure 5. Green Energy Center Europe in Innsbruck, Catalyst and Dissemination Point

### 3. COMMUNICATION, DISSEMINATION AND AWARENESS PLAN

A detailed CDAP was developed at the beginning of the project and updated in March 2018 first times. The 2<sup>nd</sup> update includes now all the activities which are actually running and shows the additional achievements to the previous version. The great finding of the past project year was the stakeholder and shareholder processes had to influence and fertilize each other in order to cause not a crash of the project. Due to several circumstances a post-processing of the project became necessary and more budget has to be signed by the shareholders of MPreis. This led to the need for a new setup of the external dissemination and internal awareness process. Depending on this situation, all the dissemination and awareness activities had to be focussed on the following targets and tasks, which had to be handled in the local, regional and national frame:

- Identification and classification of the stake- and also shareholders (decision Makers of MPreis) to be targeted, establishing a characterization of their needs and concerns in the design of the most suitable strategy for each of them.
- Communication to the wider public and stakeholders that are not specifically targeted until now, to get more understanding and positive feedback for the Demo4Grid Project of Mpreis. That were special activities to reach a wider public, such as additional advertising activities, different media reports about other H2 projects in the connection with Demo4Grid.
- Developing additional dissemination methods and associated activities and tools to reach the expected impact. Therefore
  - Additional advertising areas on the Advertising Pylons of the Green Energy Center Europe were used for the demonstration of the Demo4Grid project and also the Frequently Asked Questions regarding Hydrogen and Hydrogen applications.
  - FEN Systems has also opened a special Info Corner at the Green Energy Center Europe, which is open every day from 16:00 to 19:00 for answering the questions of interested persons. There is also adapted an extra consultation room during this time. Most of the time an FEN Systems expert is present to give also detailed information about the Demo4Grid project.
  - The project website [www.demo4grid.eu](http://www.demo4grid.eu) was adapted to the new dissemination-demand and linked to the website of the Green Energy Center Europe which is showing this all this additional dissemination-tools, such as the Advertising Pylons and the Info Corner. This should bring about the dynamization of the stakeholder process in order to push the difficult business plan project forward.
  - Additional Videos were produced to show the connection between the Demo4Grid Project to other projects and activities.
  - Small conferences and workshops were organized by the Green Energy Center Europe
  - Publications in different magazines about the Hydrogen activities and the relation to the Demo4Grid Project were made.



- Monitoring of the Dissemination procedures according the Grant- and Consortium Agreements and scheduling of the dissemination and training activities among the partners within the project and steering group meetings

All these activities can be found on the website [www.demo4grid.eu](http://www.demo4grid.eu).

### 3.1. Methodology, Processes and Tools

The tasks related to communication and dissemination in the project involve all the members of the Consortium, so all the partners should work and contribute to dissemination tasks according to the agreements and the DOA. Nevertheless, FHA, as project coordinator, is the final element in charge of the dissemination, being invested in elaborating and contributing the dissemination plan, promoting the collaboration of all the partners and finally monitoring and compiling the dissemination and communication activities of the project. The draft for the current deliverable was made by FEN Systems and is also a further milestone to monitor the progress of all the dissemination activities.

**Handling amongst the partners:** During the last project year all the dissemination activities were discussed within the project and steering group meetings and finally all the partners were asked to report their dissemination activities by a special template called “Dissemination Activities Partners”. For this a list of events and publications was made, which is also linked to the most important milestones of the project, such as project launch, project review meetings, workshops, publications in magazines, newspapers, websites and scientific journals. This is more or less also the survey template for the identification of the additional interests and opportunities of the project partners, which are not defined in the "draft plan for the dissemination and exploitation of the project's results" (Annex to Grant- and Consortium Agreements).

**Messages depending on the target to be achieved:** It was a big challenge to activate and reach the regional and national stakeholders during the past year, because the project had to struggle with different difficulties regarding the landowners and the authorities involved in the permitting process. In addition to this problems, the shareholder- and decision makers process became influenced by budget discussions and fights as a result of the technical detail planning process of the project. So special dissemination and explanation activities were necessary also to the shareholder committee of MPreis. Different activities were started by FEN Systems, to show the importance of the MPreis Demo4Grid project within the framework of the regional hydrogen strategy of Tyrol. A number of conferences, newspaper reports and also two additional videos were made to show the relationship of the MPreis Demo4Grid Project to the other running hydrogen projects in Tyrol and Austria.

**Information flow to policy makers, regulators and other stake- and shareholders:** In general, the policy makers, regulators and other stake- and shareholders of business plan orientated hydrogen projects got the message about the potential of the electrolyzers connected to the grid. Especially for the "H2 Zillertal Train" project in Tyrol this topic was used for the calculation of the business plan and also for the explanation of the cost benefit in the permitting process through the shareholders.

**Sharing of intermediate results:** The intermediate results of the processes were shared in different forums to hydrogen stakeholders and technology providers, in order to pave the way to the deployment of hydrogen technologies. The participation of on different communication events of FCH 2 JU in Brussels was done by all the members of the consortium.

**Reduce the resistance against H2 technologies:** More general messages related to the introduction of hydrogen were also disseminated in different events and conferences to the general public during the past project year. The additional goal was to reduce the existing resistance to these new technologies and motivating early adopters.

**Feedback loops trough constant monitoring process:** Furthermore, the continuous monitoring of the external projects served as feedback to define specific stakeholders from the different groups.

**Documentation and categorisation on the website:** All these activities are documented and categorized at the Demo4Grid website [www.demo4grid.eu](http://www.demo4grid.eu).

**Dissemination tools and materials on place:** Several dissemination tools and materials were developed and publications were made also during the past project year. The following section describes the tools which were developed for the efficient communication to reach the expected impact towards the target groups established above. These tools involve all the graphic material that was made for congresses, fairs and workshops. They include also the digital material, understood as the website and the communications performed through social networks

### 3.3. Website

**Demo4Grid website is the main communication tool:** It was developed also during the last project year, especially to improve the functionality to get better and more structured information about the project.

The website has a clean structure with a few key facts to catch the interest of the visitor. She has also a responsive layout optimized for desktop, tablets and phones. On the following pages screenshots of the individual pages are included.

At the homepage the logo and the navigation menu are located at the top. On the upper right corner, the logos of EU FCH JU and SFOE linking to their respective webpages are placed.

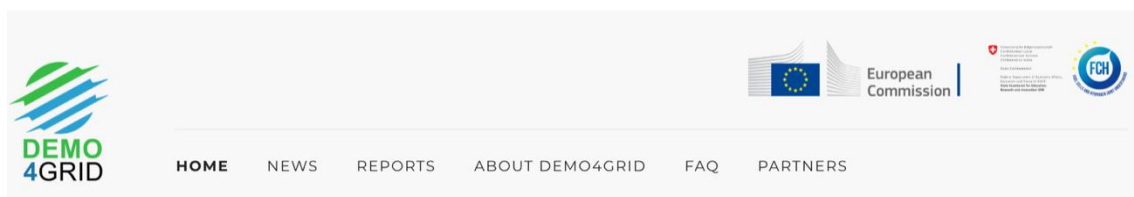


Figure 6. Website Header

**Button “Home”:** On the left of this section there is an excerpt of the video explaining Demo4Grid and on the right side there is a short introduction as well as a link to the full video.

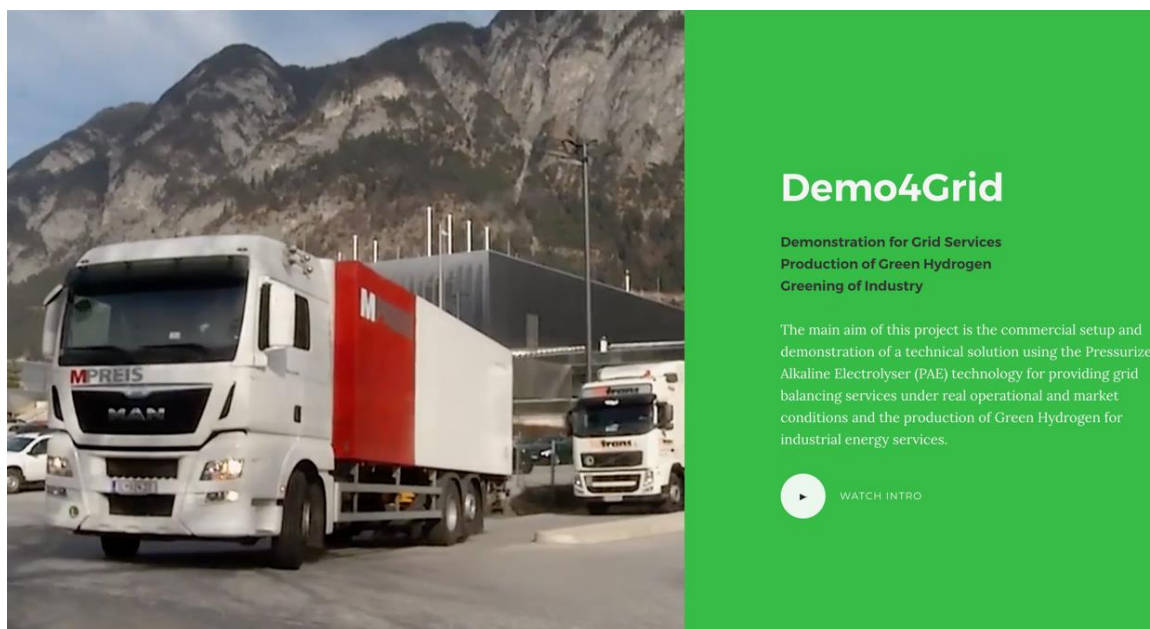




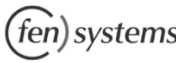





Figure 7. Demo4Grid Homepage Video

Below, a box with key facts provides further introduction to the project.

 <p><b>DEMO4GRID</b></p> <p>Within the framework of the EU project Demonstration for Grid Services, europeans largest single-stack alkaline-pressure electrolysis plant will be set up and tested in Tyrol to regulate the regional electricity network, generate green hydrogen and supply foodstuffs with CO2-free energy.</p>	 <p><b>GREEN HYDROGEN</b></p> <p>The 21st century is dedicated to the energy revolution. The European Union wants a 27% reduction in CO2 emissions by the year 2030. Imported energy, such as oil, coal and gas should be gradually replaced by solar energy, hydropower and wind power. However, this leads to a partial overloading of the power grids. Green hydrogen is the solution to this problem.</p>	 <p><b>GREENING OF INDUSRTY</b></p> <p>The plant, which is to be supplied by IHT from Switzerland, is being implemented in Völs, near Innsbruck by MPPreis, a regional food producer and trader. The Green Energy Center Europe in Innsbruck, is the catalyst for this project, financed by the EU and Switzerland, in which the targets will be hit in the green energy future. Over the next five years, the protagonists and European project partners will work responsibly and jointly to make regional resources available for the heat supply and mobility of tomorrow.</p>
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Figure 8. Demo4Grid Homepage Info

[FAQ](#)
[Reports](#)
[News](#)

[f](#)
[in](#)
[t](#)
[v](#)


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 Created and maintained by FEN Sustain Systems GmbH ([www.fen-systems.com](http://www.fen-systems.com)) / Green Energy Center Europe in Innsbruck ([www.green-energy-center.com](http://www.green-energy-center.com))

This project is supported by the Fuel Cells & Hydrogen 2 Joint Undertaking (FCH2 JU) of the European Commission under grand agreement N° 736351 and the Swiss State Secretariat for Education, Research and Innovation (SERI) under contract number 17.00002.

Figure 9. Demo4Grid Website Footer




**Button “NEWS”:** This section is actually a Facebook and Twitter Feed Grabber that displays all relevant posts about the project.




Zillertal's Hydrogen-Powered Narrow-Gauge Railway Receives Ö3 Transport Award  
<https://fuelcellsworld.com/news/zillertals-hydrogen-powered-narrow-gauge-railway-receives-o3-transport-award/> First hydrogen-powered narrow-gauge railway in the world starting from 2022 in Zillertal Innsbruck (OTS)– Austrian Business Confederation Chairman Franz Hörl is pleased to announce the nationwide award for the new Zillertal Railway, which will be operated by hydrogen fuel cells in the very near f...

**f** Demo4Grid  
1 week + 2 days ago




<https://www.youtube.com/watch?v=INgabDHjM&t=58s>  
The new founded Hydrogen Centre HyWest in Innsbruck ties the competence of the strategy and project development company FEN-Systems from Tyrol and the hydrog...

**f** Demo4Grid  
4 months + 3 weeks ago




Thank you José Luis Latorre Martínez - Director general of INYCOM - and also to his team for the hospitality and the perfect organization of the meeting to the H2-Demo4Grid project. INYCOM - situated near Zaragoza - is one of the leading technology companies in Spain and has 720 employees.


**f** Demo4Grid  
5 months ago



Hyundai Motors will produce fuel cell electric trucks for heavy duty applications, contributing the ongoing projects of the Green Energy Center Europe. This was announced by Sung Jin Kim, leader of Truck and Bus sales at Hyundai Motors Europe, during the HyWest presentation in Innsbruck.



Hydrogen Center HyWest starts with the Hyundai NEXO FCEV in Austria. The working group bundles the expertise for the dissemination of new hydrogen technologies in Austria and Central Europe.



#Demo4Grid  
#GreenHydrogen  
#GreenBridge  
#GreenEnergyCenter

Figure 10. Demo4Grid Website “NEWS”

**Button “REPORTS”:** This section is the repository of all the public reports, presentations or any other material as well as press releases, events, milestones, etc., during the development of the project. It also relates Demo4Grid to the other hydrogen projects, which are served by the Green Energy Center Europe within the regional and national energy and hydrogen strategies.

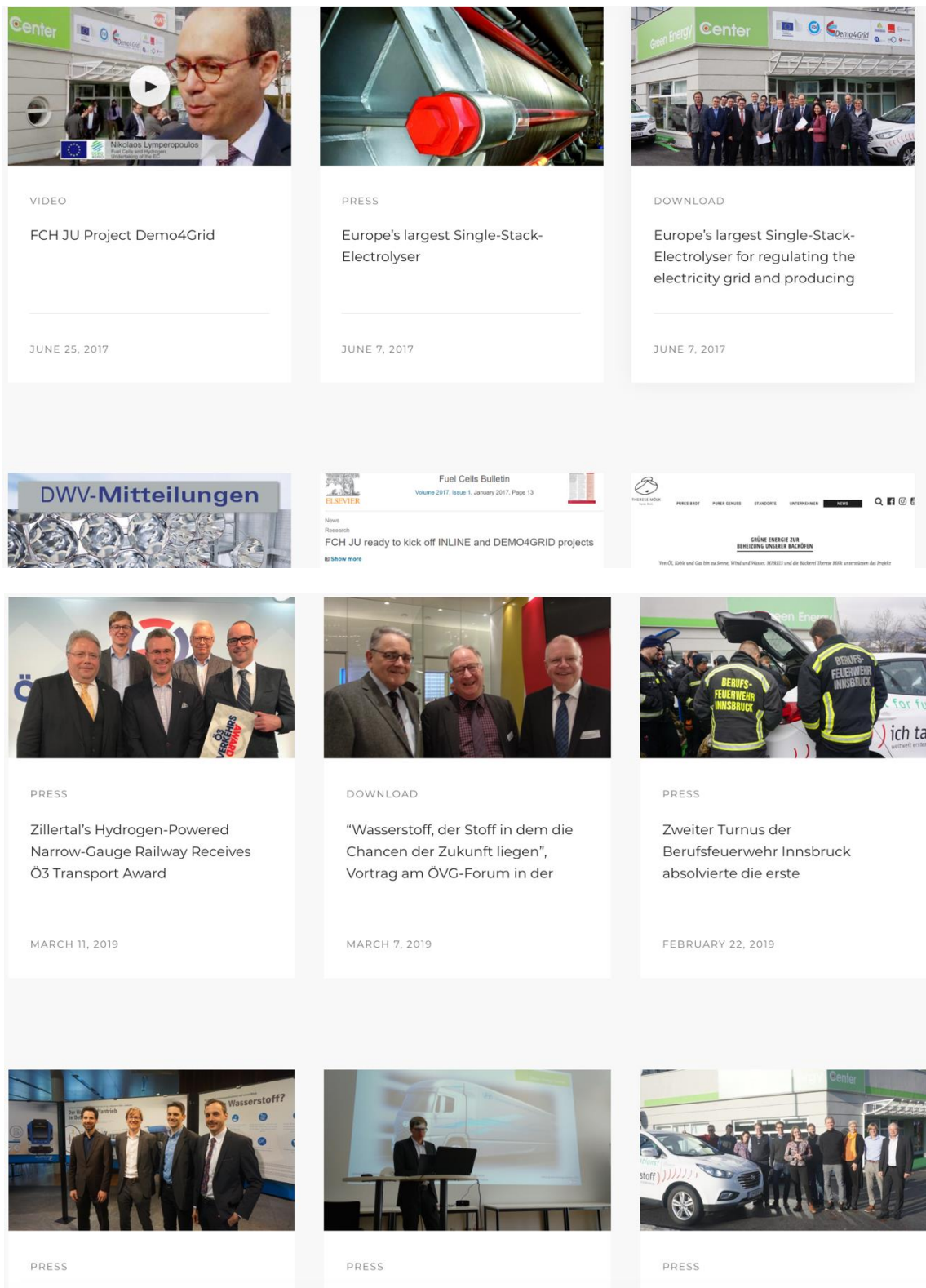
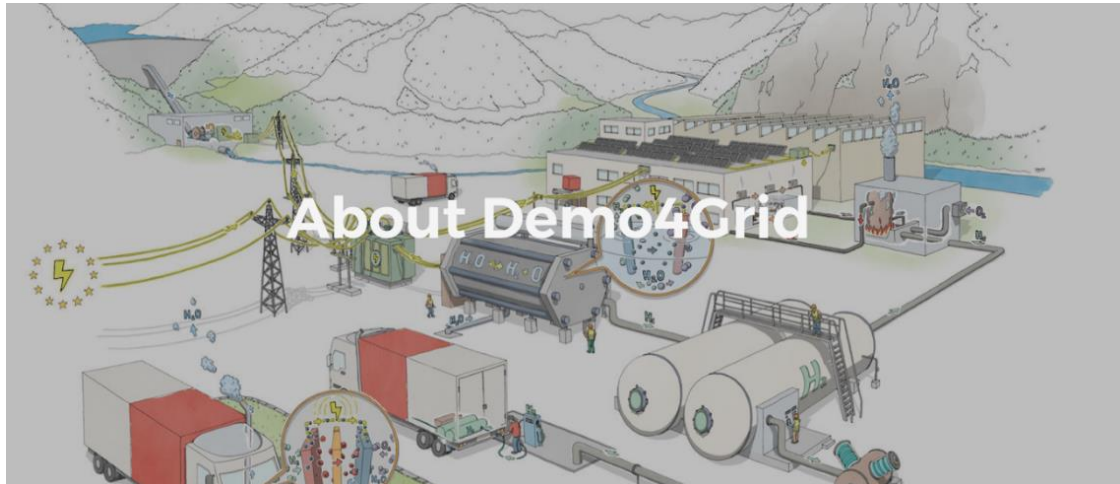


Figure 11. Demo4Grid Website "REPORTS"

**Button “ABOUT DEMO4GRID”:** This section has been created during the last project year. The page contains a description of the objectives of the project, an Info Corner database which includes all the actual categorized project information and also an interactive diagram, which explains the whole system of the project.



Europe’s largest Pressurized Alkaline Electrolyser (PAE) will be built in Völs near Innsbruck for the Demonstration of Grid Services and the production of Green Hydrogen for industrial purposes

Within the framework of the Demo4Grid project Europe’s largest single stack electrolyser plant will be build and tested at the Mpreis site in Völs near Innsbruck. The electrolyser should regulate the electricity network of the regional electricity supplier TIWAG and heat the Therese Mölk Bakery of the regional food producer and trader MPreis with green hydrogen. The Green Energy Center Europe in Innsbruck is the catalyst and regional dissemination point for this important project. The protagonists and European project partners are working responsibly together over a 5 years project time.

Green hydrogen from regional resources for industrial heating and mobility is the overall topic of the project. The deeper aim is the commercial setup and demonstration of a technical solution utilizing “above state of the art” Pressurized Alkaline Electrolyser (PAE) technology for providing grid balancing services in real operational and market conditions. In order to validate existing significant differences in local market and grid requirements Demo4Grid has chosen to setup a demonstration site in Austria to demonstrate a viable business case for the operation of a large scale electrolyser adapted to specific local conditions that will be found throughout Europe. To achieve that, Demo4Grid will demonstrate at this demo site with particular needs for hydrogen:

- 1 | a technical solution to meet all core requirements for providing grid balancing services with a large scale PAE in direct cooperation with grid operators,
- 2 | a market based solution to provide value added services and revenues for the operation strategy to achieve commercial success providing grid services and those profits obtained also from the hydrogen application.
- 3 | Aiming at the exploitation of the results after the project ends, Demo4Grid will assess the

Figure 12. Demo4Grid Website “ABOUT DEMO4GRID”



INFO CORNER			FILTER BY: All categories Conferences Events Fairs <input checked="" type="checkbox"/> Magazines Press Releases Project Deliverables Project Management Publications Scientific papers Stakeholder Alignment Videos
DATE	CATEGORY	TITLE	
March 2019	Magazines	<b>Zillertal's Hydrogen-Powered Narrow-Gauge Railway Receives Ö3 Transport Award</b>	
March 2019	Magazines	<b>Wasserstoff, der Stoff in dem die Chancen der Zukunft liegen</b>	
December 2018	Magazines, Stakeholder Alignment	<b>Wasserstoffzentrum: Auf dieses Projekt in Tirol „schaut ganz Europa“   krone.at</b>	
July 2018	Magazines	<b>Europas größte Single-Stack-Wasserstoff-Elektrolyseanlage in Völs mit ILF Consulting</b>	

Figure 13. Demo4Grid Website "Info Corner"

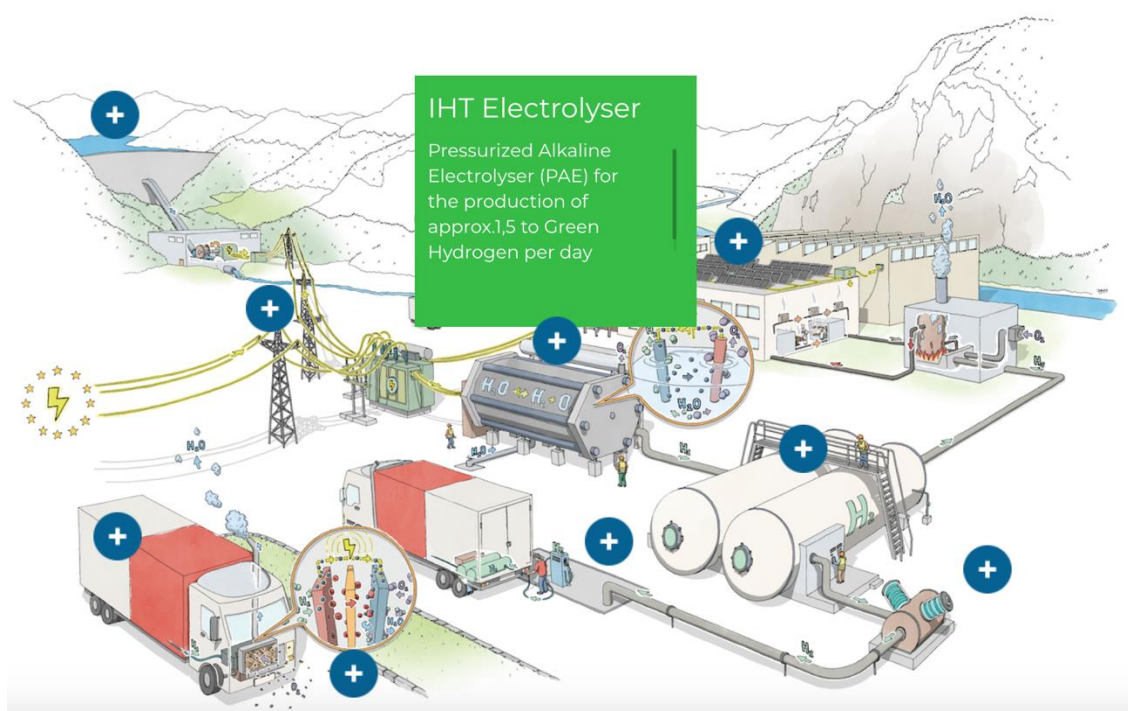



Figure 14. Demo4Grid Website "interactive project description"

**Button “FAQ”:** This section contains the Frequently Asked Questions including the corresponding answers.



**Frequently Asked Questions**

**What do we need to produce Green Hydrogen?**

Pure water and clean electricity.

**How and from where is the energy of the hydrogen extracted?**

**Is it a non-polluting energy?**

**Besides being sustainable, is it economical?**

**Is there a regulatory framework in this regard?**

**Is the use of hydrogen safe?**

**What are the advantages of its use?**

**Is the use of hydrogen limited to transportation? What other practical use do you have?**

**What are the advantages of using hydrogen vehicles compared to other alternatives?**

Figure 15. Demo4Grid Website “FAQ”

**Button “PARTNERS”:** On this page the participants of the project as well as the representing companies are shown. Pushing the play button on the bottom left corner opens the interview video of the respective person about the project.



**Nikolaos Lymeropoulos**  
FCHJU, Project Officer



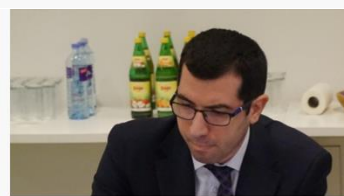
**Athanasios Batsilas**  
FCHJU, Financial Officer



**Konstantinos Tsiakataras**  
Consortium Coordination



**Emmanuel Stamatakis**  
Consortium Coordination



**George Sidiras**  
Consortium Coordination



**Ewald Perwög**  
Consortium



**Friedrich Koidl**  
Consortium



**Nicola Zandonà**  
Consortium





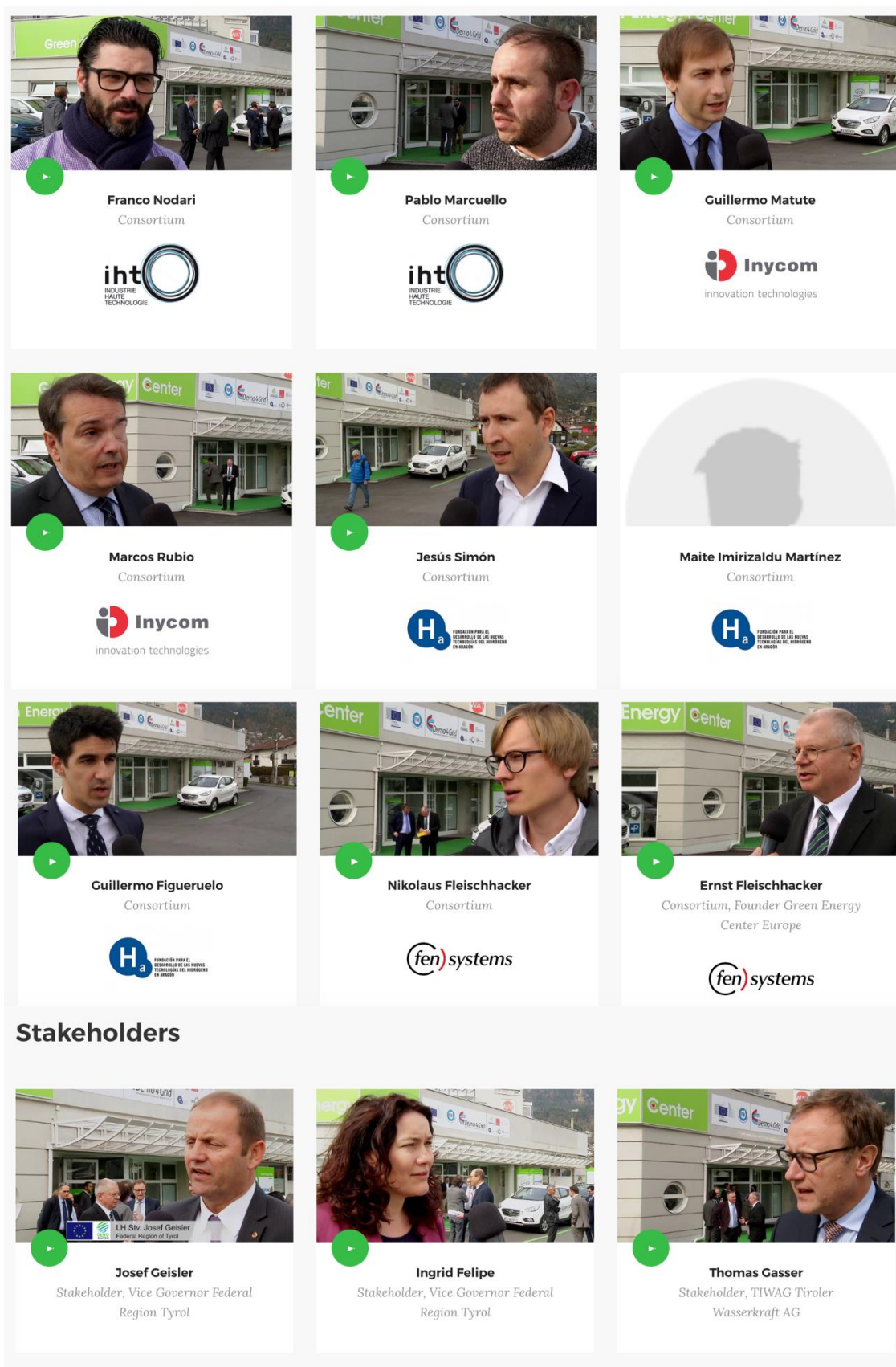


Figure 16. Demo4Grid Website “Partners”

### 3.4. Videos

Two initial videos were created to explain the objectives of the project in English and in German. The first Video **“Green Hydrogen Greening of Industry”** explains the Demo4Grid project from the perspective of the FCH 2 JU with the following content:

*“The 21st century is dedicated to the energy revolution. The European Union wants a 27% reduction in CO<sub>2</sub> emissions by the year 2030. Imported energy, such as oil, coal and gas should be gradually replaced by solar energy, hydropower and wind power. However, this leads to a partial overloading of the power grids.*

*Green hydrogen is the solution to this problem. Within the framework of the EU project Demonstration for Grid Services (“Demo4Grid”), the largest single-stack alkaline-pressure electrolysis plant in Tyrol will be set up and tested to regulate the electricity network, generate green hydrogen and supply foodstuffs with CO<sub>2</sub>-free energy.*

*The plant, which is to be supplied by IHT from Switzerland, is being implemented in Völs, near Innsbruck by MPreis, a regional food producer and trader. The Green Energy Center Europe, founded by Dr. Ernst Fleischhacker in Innsbruck, is the catalyst for this project, financed by the EU and Switzerland, in which the targets will be hit in the green energy future. Over the next five years, the protagonists and European project partners will work responsibly and jointly to make regional resources available for the heat supply and mobility of tomorrow”.*



Figure 17. Demo4Grid Video “Green Hydrogen Greening of Industry”

The second Video **“Green Hydrogen for MPreis Tyrol and Europe”** explains the Demo4Grid project from the perspective of the Demo4Grid Consortium with the following content:

*“The start of a new energy future has begun. The Green Energy Center Europe -based in Innsbruck - has played an important role in this process. The founder of this center, Dr. Ernst Fleischhacker, together with partners from the EU, gave the regional protagonists, and those in charge of politics and industry, the starting shot for a project that is to be forward-looking in its use of green hydrogen. The production of alternative energies is at the forefront. Their use will soon affect all areas of our lives. However, the distribution of green electricity leads to an*



overloading of the networks. "Power on demand" is the challenge. The production of green hydrogen - by means of an electrolyzer - is the solution for nearly all applications. Its high energy density makes it suitable for use in industrial, commercial and electrical mobility. To this end, Europe's largest electrolyzer is built at the company M-Preis - at its production facility and logistics center in Völs near Innsbruck. Science, business and politics are unanimous - a project that will look all over Europe. The independence of oil and gas imports is the overriding goal of a dramatic reduction in CO2 pollution. Green energy, from the sun as well as wind and hydropower, are the first priority. In a meeting in Innsbruck, partners from all over Europe have come to a green energy future. The hope is great. The Green Energy Center in Innsbruck is the cradle of this project, and numerous partners have been present from the outset. Green electricity is converted into hydrogen, thus reducing CO2 emissions in industry - and paving the way for future mobility."

This Video was used for the share-, stakeholder and permitting process in a short and also in a long version.



Figure 18. Demo4Grid Video "Green Hydrogen for MPreis Tyrol and Europe"

During the past report period, further two videos were recorded, showing the dependencies between other projects in Tyrol and Austria and the Demo4Grid project in Völs.

#### "Zillertalbahn 2020+ energy-autonomous with hydrogen"



Figure 19. Video link "Zillertalbahn 2020+ energy-autonomous with hydrogen" to the Demo4Grid project"

### “HyWest bundled competence for a green energy future”



Figure 20. Video link “HyWest bundled competence for a green energy future” to the Demo4Grid project

A **final explanatory video** with the main results, showcases, messages and impacts of Demo4Grid will be released during the final stage of the project. This video will be shared through press release and it will be posted at the project main website. The purpose of the video will be to serve as the global final message of the project, and to provide a general overview about the finished project.

## 3.5. Info Corner and Advertising Pylons to enhance the awareness

Beside the videos, the Info Corner and Advertising Pylons built at the Green Energy Center Europe in Innsbruck are the most efficient way to explain the Demo4Grid project in the full dimension (scope, content, partners) to the public and the visitors. The Green Energy Center is situated on one of the most frequented traffic places in the western area of Innsbruck and is also close to the MPreis site in Völs. Two versions for the presentation of the Demo4Grid project on the advertising pylons were made during the past 2 years. Version 1 was made in 2017 for the kick-off meeting and Version 2 in 2018 for the permanent use during the project time (see Annex). In addition to the specific project information, which is printed on 5 Pylons, also frequently asked questions were printed in the neighbourhood to the Demo4Grid presentation areas.



Figure 21. Info Corner at the Green Energy Center Europe



Figure 22. Advertising Pylon Green Energy Center Europe - "Demo4Grid Project Information"





Figure 23. Advertising Pylon Green Energy Center Europe - "Demo4Grid Project Information and FAQ's"



Figure 24. Advertising Pylon Green Energy Center Europe “Demo4Grid Project Information and FAQ’s”

In addition to the Demo4Grid information on the advertising pylons, the important EU project is advertised in the seminar and education room of the Green Energy Center Europe.



Figure 25. Seminar Room Green Energy Center Europe “Hints to Demo4Grid Project Partnership”

### 3.6. Analysis of the project awareness

Demo4Grid’s website was launched by the end of February 2016. The information regarding access and user behaviour has been analysed and compared between the 1st project year (Mar 2017 to Feb 2018) with the 2nd project year (Mar 2019 to Feb 2019).

Due to problems related to the communication of the homepage with the Google Analytics tool, some meaningful comparisons could not be made. Nevertheless the following comparisons confirm the efforts regarding the strategic dissemination of the Demo4Grid project as described before. The number of users almost doubled between the 1<sup>st</sup> and 2<sup>nd</sup> period. The comparison of the geographical data on the website visitors between the current and the last report period is shown in the figure below. In the current report period, most of the traffic to the website comes from Austria, which should be a result of the extensive local, regional and national dissemination activities as described before. Remarkable is the increase of the international (worldwide) dissemination flow.

Mar 2017 to Feb 2018 (356)

Mar 2019 to Feb 2019 (743)

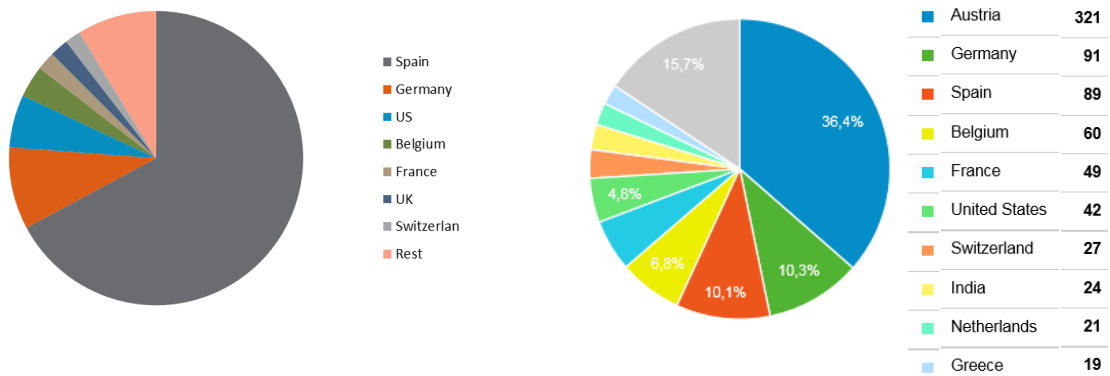


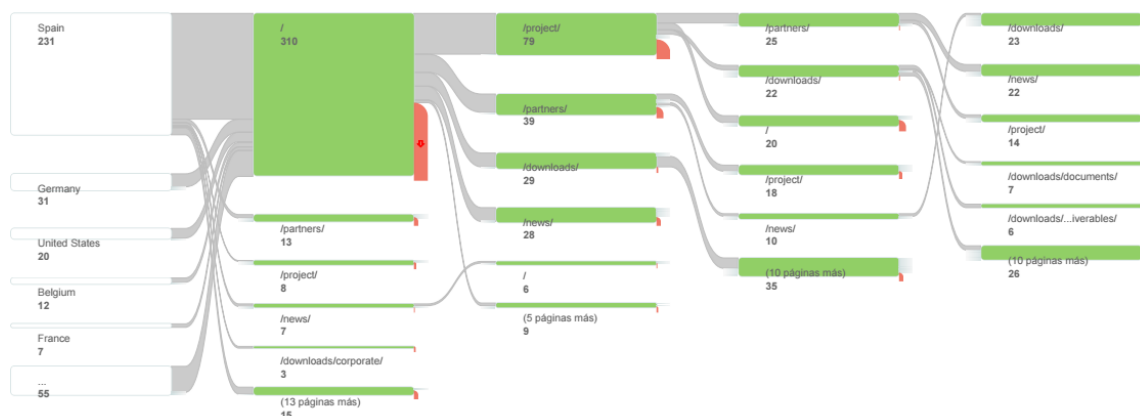
Figure 26. Analysis of project awareness: “Geographical information Mar '17 - Feb '18 (left), Mar '18-Feb '19 (right)

It can be seen that the visits from the website come from all over the world (US, India), so it clearly indicates the importance of maintaining the website actively in order to maximise the impact of the project.

It can be seen that the visits from the website come from all over the world (US, India), so it clearly indicates the importance of maintaining the website in order to maximise the impact of the project. This was done during the last two years mainly through FEN Systems in Austria. During the next period it is important improve the website through more involvement of the partners in order to maximise the geographical impact, especially throughout Europe.

To enhance local, regional and national awareness of the project the Demo4Grid information was shared with the website of the Green Energy Center Europe. It is quite interesting to see and to use the synergies of this process. The Traffic on the Website of the green Energy Center ist 10 times higher than on the Demo4Grid homepage. Therefore it was very important to share the content in both websites. At the same time, Demo4Grid information was also shared with the website of FEN Systems, so that the awareness of the project is channelled through three different platforms, all referring to the same content. Further synergies are expected with the sharing of information on the project partners' websites.

#### Demo4Grid Website Mar. '17 – Feb. '18



#### Green Energy Center Europe Website Mar. '18 – Feb. '19



Figure 27. Analysis of project awareness “Comparison Demo4Grid 2017 and Green Energy Center 2018”

Most of the users start the visit to the websites in the “home” section, which is logical taking into account that most of the links in news and presentation send the user to the homepage. Unfortunately, there are still a percentage of users that does not continue navigating the site, what has to be improved.

The next analytics show that more than half of the visits are from new visitors. The objective was to increase not only the total visits to the website but also the number of users that return to obtain updated information of the project. This should be achieved by steady actualisation of the sections “NEWS”, “REPORT” and “ABOUT DEMO4GRD”. In other words, the content of the page has to be updated and the visitors of the partner websites - especially the visitors of the Green Energy Center Europe website - have to be redirected, in order to get a high number of returning visitors.

Demo4Grid Website Mar. '17 – Feb. '18



Demo4Grid Website Mar. '18 – Feb. 19'

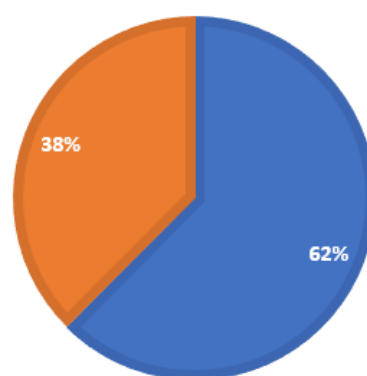


Figure 28. Analysis of project awareness “Returning Visitors (red)”

The following section includes the total amount of the target audiences that should be influenced by the results of the development of the project during the next project years. For each of them it has been specified a series of key messages within the CDAP that should be addressed during the development of the project.



**Policy makers, regulators, public bodies:** The evaluation of potential markets, along with the analysis of the European standards and national regulations will be the main input for these organisms. In the same way, this will be accompanied by an analysis of the potential of water electrolysis to enable a successful introduction of RE resources at low costs.

**Technology providers, manufacturers, fuel cell and hydrogen stakeholders:** Once the consortium has approved which information and results are susceptible to be public regarding market potential and framework to successfully deploy electrolyzers as grid service, they will be shared in selected forums with FCH stakeholders. Besides, sharing public information of the main achievements of the project would be one of the main ways to increase the exploitation impact of the project.

**Renewable energy stakeholders, distribution and transmission system operators:** For the main stakeholders on the renewable energy industrial sector, as well as TSOs and DSOs, the key messages to be transmitted involve the benefits that the MW HP AWE technology can introduce to new business models related to the RE sector. Additionally, demonstration tests' results will be shared among these groups in order to prove the feasibility of the connection of electrolyzers to the grid, and performance specifications for grid-connected electrolyzers will be validated with grid operators to ensure their adequacy.

**General public:** The communication efforts towards the general public will be focused on showing the benefits of RE introduction with hydrogen to reduce environmental impacts, employment generation, increasing European competitiveness and reducing external dependency. The additional goal at this point is to reduce the existing resistance to these new technologies and motivating early adopters.

Results from additional tasks of the project, related to the assessment of the market potential and identification and analysis of business cases will serve as additional input to detect new target groups or stakeholders or to focus better the dissemination efforts to reach the target groups.

Furthermore, the information obtained through the continuous monitoring of the external projects will also serve as feedback to define specific stakeholders from the different groups.

The participation in the communication events and activities promoted by the FCH 2 JU will be of key importance to reach these stakeholders.

### 3.7. Social and professional networks

The use of social media and social and professional networks will be also a key communication tool to disseminate information about the project, events and project results. Partners will use their own accounts in the social/professional networks to contribute to the project dissemination and to create open debates and detect future industrial investors from other cities in Europe. The main social networks considered for the dissemination of the project communications and

recommendations on how to use each of them according to their unique characteristics are detailed below:

- **YouTube:** A project channel was created. This is useful to make a better diffusion of the promotional videos made during the development of the project (like the final video regarding the results obtained) as well as of any appearances of the partners on television
- **Facebook:** A Facebook page has been created for the project. Same use as the LinkedIn account. Every partner will be able to post a template, available under the 'Project' section on their profiles, linking it to the other members of their teams.  
([https://www.facebook.com/Demo4Grid/?sw\\_fnr\\_id=926174830&fnr\\_t=0](https://www.facebook.com/Demo4Grid/?sw_fnr_id=926174830&fnr_t=0)).
- **LinkedIn:** A business LinkedIn page has been created for the project. As next steps the consortium will try to update the information more often to get more visits. linking it to the other members of their teams. A project (<https://www.linkedin.com/company-beta/11184684/>)
- **Twitter:** The tweet must have the hashtag #Demo4Grid, so we will be able to count the impact.
- **FHa has contacted Hydrogen Europe Research and HyER for the support of the dissemination of the project in their Social Networks**

### 3.8. Identification of other projects for coordination

Possible paths of collaboration in public workshops and seminar will be explored by the Consortium when it is considered suitable and of interest for the project and the partners. Although, the assessment of the collaboration will be studied case by case taking into account the goals of the project and partners involved, following there is a preliminary list of ongoing European projects that could be assessed. For instance, a first contact with the Elyntegration project has been established, attending to the proposed Elyntegration workshops and following the progress of the project in order to search for synergies. Nevertheless, it is considered that the timing of both projects will not be perfect, as Elyntegration is at the end of the duration to prepare common activities. But the results of the project will be very interesting also to be shared or distributed to Demo4Grid stakeholders, to make them aware on guarantees of origin and new potential business models.

Event Date	Organiser	Event	Location
1-5 April 2019	SDI Scotland stand	Hannover Messe	Hannover, Germany
24 - 26 April 2019	HYPOTHESIS XIV		Foz do Iguaçu (Brazil)
14-16 May 2019		3rd Clean Energy for EU Islands Forum	Stockholm and Mariehamn
15-16 May 2019	All-Energy		Glasgow
23-may-19	ELYntegration + ELY4OFF	End Users Workshop	Huesca, Spain

	Aragon Hydrogen Foundation		
7 June 2019	ETP-SHFCA	Energy Conversions & Storage seminar	St Andrews
10th - 11th July 2019	US Hydrogen & Fuel Cells Energy Summit	US Hydrogen & Fuel Cells Energy Summit	Boston - Massachusetts - USA
17-21 June 2019	EU	EUSEW	Brussels
2-5 July 2019	EFCF – European Fuel Cell Forum	Low temp FC, electrolyzers & H2 processing forum	Lucerne
17-18 Sept 2019	Maritim Forening Sogn og Fjordane	Marine Hydrogen Conference	Florø, Norway
24-26 Sept 2019	ICHS2019	Biennial conference on hydrogen safety.	Adelaide, Australia
2 Oct 2019	SHFCA2019	11 <sup>th</sup> Annual conference	Aberdeen
Oct 2019	Cogiton	P2G conference	Marseille
November 2019		3rd Clean Energy for EU Islands Forum	Lanzarote
5-7 Nov 2019	Fuel Cell Seminar	Fuel Cell Seminar & Energy Exposition	Long Beach, California
19-20 Nov 2019	FCH-JU	Program Review Days	Brussels
21-nov-19	FCH-JU	Stakeholder Forum	Brussels
10-11 Dec. 2019	ESCS	Energy Storage & Connected System	London
5-9 July 2020	IPHE WHEC 2020	23rd World Hydrogen Energy Conference	Istanbul, Turkey
04 - 05 February 2020	GL-Events	HyVolution 2020	Paris, France
June 2021 (tbc)	IPHE WHTC2021	WHTC 2019 -World Hydrogen Technologies Convention	Montreal, Canada
<b>June 2021 (tbc)</b>	<b>BIG HIT</b>	<b>Final BIG HIT project meeting and conference</b>	<b>Malta</b>
sep-21	ICHS2021	Biennial conference on hydrogen safety.	Edinburgh. TBC
June 2022 (tbc)	WHEC 2022	World Hydrogen Energy Conference	Istanbul, Turkey

Table 2. Identification of Conference, Events and Fairs

Regarding the activities carried out from M1 to M24, the project has also been presented on several events and workshops also during the past year not included in the original plan. For example, Demo4Grid was presented in the context of the workshop held by Elyntegration project regarding the H2 applications and end users: challenges, barriers and lessons learned. On the other hand, the Programme Review Days and Stakeholders forum organized by the FCH2JU will be considered also as part of the plan for communication, for the potential to reach hydrogen stakeholders and launch networking activities with other ongoing projects.

### 3.9. Workshops

At the beginning of the project development, four workshops are planned to be carried out. The target groups and audience for each of them will be defined taking into account the progress and timeline of the project. The workshops schedule depends on the start of the construction works, the planned content of them is showed below:

- WS1: General workshop directed to all public targets, and especially to the Tyrol community, region in which the demonstration project is located. It will be based on a launch event showing the final deployment of the FCH technologies in the project and the beginning of the project operation.  
  
-> This milestone has to be shifted to the start of construction works, which are delayed (problems with land owners, re-budgeting of the project and approvals).
- WS2: General workshop directed towards the scientific/technical community in the framework of the FCH2-JU. The goal will be to explain the progress, main results and try to analyse the outputs of the technical project progress.
- WS3: Technical workshop directed exclusively to end-user/customers (TSO/DSO, utilities, grid operators, etc). Workshop for alignment with stakeholders to ensure replication (RE generators, large consumers, chemical industry, utilities...) and policy makers. The goal will be to explain the progress, main results and try to attract them for the last months of the project which are crucial for the success of the exploitation and future commercialization. This workshop could be also complemented by bilateral meetings with potential end-user/customers in case it is found difficult to organize a workshop with the main stakeholders and customers (agenda issues, confidentiality, etc)
- WS4: Final workshop to close the project. It could be co-organized together other FCH2-JU projects, conferences, events, etc. Workshop directed to the whole community and partners interested to explain the main results.

	OBJECTIVE	PLACE
<b>1st Workshop</b>	Launch Event	Innsbruck
<b>2nd Workshop</b>	General workshop for the scientific/technical community and the FCH2 JU	To be confirmed
<b>3rd Workshop</b>	Workshop for alignment with stakeholders to ensure replication (RE generators, large consumers, chemical industry, utilities...) and policy makers	To be confirmed
<b>4th Workshop</b>	Final Workshop	Innsbruck

Table 3. Demo4Grid Workshops proposal.

## 4. CONCLUSIONS

The present document constitutes the main guide to be followed for any communication activity related to the Demo4Grid project. It contains all the necessary information in relation to the target groups, how to reach them and which are the necessary tools to perform these tasks, as well as a selection of potential partners within Europe and conferences, congress and fairs that are suitable for the dissemination of the results of the project.

The main target groups identified are the public regulator bodies, the hydrogen technology providers and manufacturers, the renewable energy stakeholders, DSOs, TSOs and of course the general public too. The ways of reaching these audiences are different for each of them, but in any case, the website of the project is meant to be the central point of information related to the project, as it will contain all the public documents generated during the project, as well as a 'News' section to gather all the important updates on the project.

During the time of execution of the project, the partners will have to make use of their institutional accounts in social networks (Twitter, Facebook, LinkedIn, etc.) to promote the work performed in the project.

The main opportunities to improve awareness are also identified as follows:

1. Increase awareness in Innsbruck, Tyrol, Austria and finally Europe by using the Green Energy Center Europe as a catalyst and central dissemination point for the project. This topic became very important because the start of construction works is heavily delayed. The reason are huge problems with land owners, a crucial re-budgeting process and also a significant delay with the project approvals. The awareness about the importance of the project has to be enhanced by the possibilities of the Green Energy Center Europe. Co-working spaces, seminar rooms, Skype rooms, lounges, advertising kiosks, hydrogen cars and a generally accessible information point are available.
2. Improve involvement of partners to increase awareness in their home countries. The partners must follow participating in EU-conferences and fairs during the next years to increase the impact and Identify synergies for workshops and networks.
3. Send press kits and special information to specific, technical and general magazines.
4. Send at least one press release of the project.
5. Create content about hydrogen for the social networks.
6. Generate content for the general public.

Also, the project has yet generate high expectation, so partners responsibility is now to manage properly this interest. These have an enormous implication in how the consortium communicates the risks of the project, or benefits, even for the case that they would be lower than expected.

That case the information must be clear, contrasted and coordinate, to convey confidence and responsibility with the work done. After this control phase of the information, it would be necessary to establish a critical analysis for retrieving all the valuable information obtained during the project and conclude the lessons learned.

## 5. ANNEXES

### 5.1. Annex Conferences, Fairs, Workshops 2<sup>nd</sup> project year

Conference, congress, etc.	Name of the contribution	Date of issue	Place	Author(s)	Target	Scope	No. People attending	Brief description
Generalversammlung	Generalversammlung der Codex Group des Green Energy Center Europe	15/05/2018	Green Energy Center Europe Innsbruck	FEN-SYSTEMS and Partners of Green Energy Center Europe	Dissemination, Stakeholder alignment	Management, Dissemination Demo4Grid Targets	10	<a href="https://www.green-energy-center.com/ausserordentliche-generalversammlung-im-green-energy-center-europe/">https://www.green-energy-center.com/ausserordentliche-generalversammlung-im-green-energy-center-europe/</a>
GSV-Forum of Austria	EU-Project Demo4Grid means also Business Case for MPREIS Logistic	24/05/2018	SWARCO Traffic World in Tirol Wattens	MPREIS, Ewald Perwög	Dissemination, Stakeholder alignment	Presentation of the Demo4Grid Business Case	50	<a href="https://www.green-energy-center.com/eu-project-demo4grid-means-also-green-hydrogen-for-mpreis-tyrol-and-europe/">https://www.green-energy-center.com/eu-project-demo4grid-means-also-green-hydrogen-for-mpreis-tyrol-and-europe/</a>
European Sustainable Energy week, FCH JU Session on "Hydrogen and fuel cells greening European industry"	Demo4Grid Presentation of Ewald Perwög at the Sustainable Energy Week in Brussels	07/06/2018	Brussels	MPREIS, Ewald Perwög	Dissemination, Stakeholder alignment	Interface to EU decision makers FCH 2 JU Presentation of the Demo4Grid Project		<a href="https://www.green-energy-center.com/eu-sustainable-energy-week-demo4grid-presentation-from-ewald-perwog/">https://www.green-energy-center.com/eu-sustainable-energy-week-demo4grid-presentation-from-ewald-perwog/</a>
Austrian Gas Experts	Austrian gas experts are interested in the running hydrogen projects	27/06/2018	Heiterwang/ Tyrol.	FEN-SYSTEMS Nikolaus Fleischhacker	Dissemination, Stakeholder alignment	Stakeholder information, Demo4Grid Project	20	<a href="https://www.green-energy-center.com/gasfachleute/">https://www.green-energy-center.com/gasfachleute/</a>
Canadian Urban Transit Research & Innovation	Canadian Urban Transit Research & Innovation Consortium meets Green Energy Center Europe	27/07/2018	Green Energy Center Europe Innsbruck	FEN-SYSTEMS, Nikolaus Fleischhacker, MPREIS Ewald Perwög	Dissemination, Stakeholder alignment	Interface to international H2 Projects, Demo4Grid Project Informations	8	<a href="https://www.green-energy-center.com/canadian-urban-transit-research-innovation-consortium-meets-green-energy-center-europe/">https://www.green-energy-center.com/canadian-urban-transit-research-innovation-consortium-meets-green-energy-center-europe/</a>
Austrians Hydrogen Initiative (WIVA P&G)	Working Visit of Austrians Hydrogen Initiative (WIVA P&G) at the Green Energy Center Europe	24/08/2018	Green Energy Center Europe in	FEN-SYSTEMS Ernst Fleischhacker - Green Energy Center Europe	Dissemination, Stakeholder alignment	Interface to other H2 projects Demo4Grid Business Case	5	<a href="https://www.green-energy-center.com/hydrogen-initiative-wiva-pg-austrians-model-region-energy-meets-green-energy-center-europe/">https://www.green-energy-center.com/hydrogen-initiative-wiva-pg-austrians-model-region-energy-meets-green-energy-center-europe/</a>
IAA Hannover	Hyundai Fuel Cell Electric Trucks for projects of the Green Energy Center Europe	05/10/2018	Hannover	FEN-SYSTEMS Ernst Fleischhacker - Green Energy Center Europe	Dissemination, Stakeholder alignment	Interface Hydrogen Applications for the Demo4Grid Business Case	8	<a href="https://www.green-energy-center.com/hyundai-fuel-cell-electric-trucks-for-the-ongoing-projects-of-the-green-energy-center-europe/">https://www.green-energy-center.com/hyundai-fuel-cell-electric-trucks-for-the-ongoing-projects-of-the-green-energy-center-europe/</a>
Hyundai Nexo FCEV Launch in Innsbruck	Hyundai NEXO FCEV launched with HyWest at the Green Energy Center Europe	06/10/2018	Green Energy Center Europe in Innsbruck	FEN-SYSTEMS, MPREIS Nikolaus Fleischhacker, Ernst Fleischhacker, Partners of Green Energy Center Europe	Dissemination, Stakeholder alignment	Interface Hydrogen Highway, Green Hydrogen, Hydrogen Family, Demo4Grid Business Case	70	<a href="https://www.green-energy-center.com/hydrogen-center-hywest-launches-together-with-the-hyundai-nexo-fcev-in-austria/">https://www.green-energy-center.com/hydrogen-center-hywest-launches-together-with-the-hyundai-nexo-fcev-in-austria/</a>
Hyundai Nexo FCEV Roadshow in Linz/Wels	Hyundai und HyWest präsentieren NEXO FCEV an der Fronius H2-Filmentankstelle in Thalheim bei Wels	12/10/2018	Fronius Wels	FEN-SYSTEMS Ernst Fleischhacker (Green Energy Center Europe)	Dissemination, Stakeholder alignment	Interface Hydrogen Highway, Green Hydrogen, Hydrogen Family, Demo4Grid Business Case	70	<a href="http://hyundai.yumm.at/filip/hyundai-NEXO-Roadshow.html">http://hyundai.yumm.at/filip/hyundai-NEXO-Roadshow.html</a>
Hyundai Nexo FCEV Roadshow in Graz	Hyundai und HyWest präsentieren NEXO FCEV am HyCentA an der TU Graz	17/10/2018	TU Graz	FEN-SYSTEMS Ernst Fleischhacker (Green Energy Center Europe)	Dissemination, Stakeholder alignment	Interface Hydrogen Highway, Green Hydrogen, Hydrogen Family, Demo4Grid Business Case	70	<a href="https://www.green-energy-center.com/hyundai-und-arge-hywest-praesentieren-nexo-fcev-am-hycenta-an-der-tu-graz/">https://www.green-energy-center.com/hyundai-und-arge-hywest-praesentieren-nexo-fcev-am-hycenta-an-der-tu-graz/</a>
Conference "E-Mobility now" 2017 WEKA Industriemedien	EU-Project Demo4Grid means also Business Case for MPREIS Logistic	08/11/2018	Schönbrunn Palace in Vienna	MPREIS, Mag. Ewald Perwög	Dissemination, Stakeholder alignment	Demo4Grid Business Case	150	<a href="https://www.demo4grid.eu/wasserstoff-elektromobilitat-im-lebensmittel-guterverkehr-vortrag-mag-ewald-perwog/">https://www.demo4grid.eu/wasserstoff-elektromobilitat-im-lebensmittel-guterverkehr-vortrag-mag-ewald-perwog/</a>
Roadshow	Politik informiert sich über den Bau der Brücke in die grüne Mobilitätszukunft	16/11/2018	Green Energy Center Europe in Innsbruck	FEN-SYSTEMS, MPREIS Ernst, Nikolaus Fleischhacker (Green Energy Center Europe)	Dissemination, Stakeholder alignment	Interface to Target group public bodies and regulators	5	<a href="https://www.green-energy-center.com/politik-informiert-sich-ueber-den-bau-der-bruecke-in-die-gruene-mobilitaetszukunft/">https://www.green-energy-center.com/politik-informiert-sich-ueber-den-bau-der-bruecke-in-die-gruene-mobilitaetszukunft/</a>
Opening Info Corner Green Energy Center Europe	Eröffnung Info Corner des Green Energy Centers Europe	16/11/2018	Green Energy Center Europe in	FEN-SYSTEMS, MPREIS, Partners of Green Energy Center Europe	Dissemination, Stakeholder alignment	Public audience, Interface to the citizens of Innsbruck	50	<a href="https://www.green-energy-center.com/info-corner-des-green-energy-centers-europe-eroffnet/">https://www.green-energy-center.com/info-corner-des-green-energy-centers-europe-eroffnet/</a>
EMob Event Sparer	Autohaus Sparer in St.Johann in Tirol ist neuer Codex Partner des Green Energy Centers Europe	17/11/2018	St. Johann in Tirol	FEN-SYSTEMS, MPREIS Ernst Fleischhacker (Green Energy Center Europe)	Dissemination, Stakeholder alignment	Interface public, communication activity related also to the Demo4Grid project	100	<a href="https://www.green-energy-center.com/autohaus-sparer-in-st-johann-in-tirol-ist-neuer-codex-partner/">https://www.green-energy-center.com/autohaus-sparer-in-st-johann-in-tirol-ist-neuer-codex-partner/</a>
Expert Roundtable Standortagentur Tirol	Expert Roundtable über "Sorglos Laden in der Zukunft"	20/11/2018	Green Energy Center Europe in Innsbruck	MPREIS Ewald Perwög, FEN-SYSTEMS Ernst & Nikolaus Fleischhacker	Dissemination, Stakeholder alignment	Interface to hydrogen technology providers, manufacturers, and renewable energy stakeholders	23	<a href="https://www.green-energy-center.com/expert-roundtable-sorglos-laden-in-der-zukunft/">https://www.green-energy-center.com/expert-roundtable-sorglos-laden-in-der-zukunft/</a>
Expert Meeting Green Energy Center	Erfahrungsaustausch mit ElektroMobilitätsClub Österreich am Green Energy Center Europe.	22/11/2018	Green Energy Center Europe in Innsbruck	FEN-SYSTEMS Ernst & Nikolaus Fleischhacker	Dissemination, Stakeholder alignment	Interface to hydrogen to he renewable energy stakeholders	6	<a href="https://www.green-energy-center.com/erfahrungsaustausch-mit-elektromobilitaetsclub-oesterreich-am-green-energy-center-europe/">https://www.green-energy-center.com/erfahrungsaustausch-mit-elektromobilitaetsclub-oesterreich-am-green-energy-center-europe/</a>
Management Conference Linz AG	Wasserstoff Problemlöser der Zukunft, Vortrag Linz AG	30/11/2018	Linz AG	FEN-SYSTEMS Ernst Fleischhacker, Lorenz Köll	Dissemination, Stakeholder alignment	Interface to the staff of a public energy service company and renewable energy provider	125	<a href="https://www.green-energy-center.com/vortrag-fur-die-fuhrungskraefte-der-linz-ag/">https://www.green-energy-center.com/vortrag-fur-die-fuhrungskraefte-der-linz-ag/</a>
SWECO Management Conference	SWECO aus Schweden besucht das Green Energy Center Europe	07/12/2018	Green Energy Center Europe in Innsbruck	FEN-SYSTEMS Ernst & Nikolaus Fleischhacker	Dissemination, Stakeholder alignment	Interface to hydrogen technology providers and manufacturers, renewable energy stakeholders	15	<a href="https://www.green-energy-center.com/7705-2/">https://www.green-energy-center.com/7705-2/</a>
CNL Congress, High Level Logistic Event	Batterie- und Wasserstoff-LKW's sind kein Widerspruch	13/12/2018	University of Natural Resources and Applied Life Sciences in Vienna	FEN-SYSTEMS Ernst & Nikolaus Fleischhacker, MPREIS Ewald Perwög	Dissemination, Stakeholder alignment	Interface to hydrogen technology providers and manufacturers and logistic companies interested oh holistic hydrogen solutions	45	<a href="https://www.green-energy-center.com/elektro-lkws-mit-batterie-und-wasserstoff-ergaenzungstechnologien-fur-den-grunen-schwerverkehr/">https://www.green-energy-center.com/elektro-lkws-mit-batterie-und-wasserstoff-ergaenzungstechnologien-fur-den-grunen-schwerverkehr/</a>
Info Event Hydrogen Train	Zillertalbahnhof fährt künftig mit grünem Wasserstoff, Infoabend in Mayrhofen	15/02/2019	Congress Mayrhofen	FEN-SYSTEMS Nikolaus Fleischhacker	Dissemination, Stakeholder alignment	Interface to public regulator, bodies, public, hydrogen technology providers and manufacturers,	70	<a href="https://www.green-energy-center.com/infoabend-zillertalbahnhof-fahrt-kuenftig-mit-grunem-wasserstoff/">https://www.green-energy-center.com/infoabend-zillertalbahnhof-fahrt-kuenftig-mit-grunem-wasserstoff/</a>
E-Mobility, Hydrogen Education Programme	Berufsfeuerwehr Innsbruck absolvierte die erste zur Elektromobilität	22/02/2019	Green Energy Center Europe in Innsbruck	FEN-SYSTEMS Nikolaus & Ernst Fleischhacker	Dissemination, Stakeholder alignment	Interface to stakeholders of public security	110	<a href="https://www.green-energy-center.com/weiterturnus-der-berufsfeuerwehr-innsbruck-absolvierte-die-erste-ausbildungsstufe-zur-elektromobilitaet/">https://www.green-energy-center.com/weiterturnus-der-berufsfeuerwehr-innsbruck-absolvierte-die-erste-ausbildungsstufe-zur-elektromobilitaet/</a>
E-Mobility, Hydrogen Education Programme	Info Workshop "E-Mobilität", Donnerstag 28. Februar 2019 um 19:00 Uhr im Green Energy Center Europe	28/02/2019	Green Energy Center Europe in Innsbruck	FEN-SYSTEMS Nikolaus & Ernst Fleischhacker	Dissemination, Stakeholder alignment	Interface to public and renewable energy stakeholders	20	<a href="https://www.green-energy-center.com/info-workshop-e-mobilitaet-28-februar-2019-19-uhr/">https://www.green-energy-center.com/info-workshop-e-mobilitaet-28-februar-2019-19-uhr/</a>
ÖVG Congress voestalpine Stahlwelt Linz	Wasserstoff, der Stoff in dem die Chancen der Zukunft liegen	07/03/2019	voestalpine Stahlwelt Linz	FEN-SYSTEMS Ernst Fleischhacker	Dissemination, Stakeholder alignment	Interface to public regulator bodies, hydrogen technology providers and manufacturers and logistic companies interested oh holistic hydrogen solutions	120	<a href="https://www.green-energy-center.com/wp-content/uploads/2019/03/10-03-07-0%CC%88VG-Vortrag-Demo4Grid.pdf">https://www.green-energy-center.com/wp-content/uploads/2019/03/10-03-07-0%CC%88VG-Vortrag-Demo4Grid.pdf</a>



## 5.2. Annex Partners Media 2<sup>nd</sup> project year

Date of issue	Author(s)	Brief description	Link
01/03/2018	FEN-SYSTEMS	Green Energy Center Europe: "Der Stille Klang der Zukunft"	<a href="https://www.green-energy-center.com/green-energy-der-stille-klang-der-zukunft/">https://www.green-energy-center.com/green-energy-der-stille-klang-der-zukunft/</a>
19/03/2017	FEN-SYSTEMS	Demo4Grid Website	<a href="https://www.demo4grid.eu/">https://www.demo4grid.eu/</a>
22/03/2018	FEN-SYSTEMS	Zillertaltrain 2020+, Energy-Autonomous with Hydrogen	<a href="https://www.green-energy-center.com/zillertaltrain-2020-energy-autonomous-with-hydrogen/">https://www.green-energy-center.com/zillertaltrain-2020-energy-autonomous-with-hydrogen/</a>
01/04/2018	FEN-SYSTEMS	Zillertaltrain 2020+ energieautonom mit Wasserstoff	<a href="https://www.youtube.com/watch?v=17MKOq-ozdw&amp;t=5s">https://www.youtube.com/watch?v=17MKOq-ozdw&amp;t=5s</a>
15/05/2018	FEN-SYSTEMS	Generalversammlung der Codex Group des Green Energy Center Europe	<a href="https://www.green-energy-center.com/ausserordentliche-generalversammlung-im-green-energy-center-europe/">https://www.green-energy-center.com/ausserordentliche-generalversammlung-im-green-energy-center-europe/</a>
23/05/2018	FEN-SYSTEMS	Green Hydrogen for MPREIS, Tirol and Europe, easy explanation of the System from Ewald Perwög (© MPREIS).	<a href="https://www.green-energy-center.com/green-hydrogen-for-mpreis-tirol-and-europe-easy-explanation-of-the-system-from-ewald-perwog-mpreis/">https://www.green-energy-center.com/green-hydrogen-for-mpreis-tirol-and-europe-easy-explanation-of-the-system-from-ewald-perwog-mpreis/</a>
24/05/2018	FEN-SYSTEMS	EU-Project Demo4Grid means also Business Case for MPREIS-Logistic	<a href="https://www.green-energy-center.com/eu-project-demo4grid-means-also-green-hydrogen-for-mpreis-tyrol-and-europe/">https://www.green-energy-center.com/eu-project-demo4grid-means-also-green-hydrogen-for-mpreis-tyrol-and-europe/</a>
07/06/2018	FEN-SYSTEMS	Demo4Grid Presentation of Ewald Perwög at the Sustainable Energy Week in Brussels	<a href="https://www.green-energy-center.com/eu-sustainable-energy-week-demo4grid-presentation-from-ewald-perwog/">https://www.green-energy-center.com/eu-sustainable-energy-week-demo4grid-presentation-from-ewald-perwog/</a>
27/06/2018	FEN-SYSTEMS	Austrian gas experts are interested on the running hydrogen projects	<a href="https://www.green-energy-center.com/gasfachleute/">https://www.green-energy-center.com/gasfachleute/</a>
30/06/2018	FEN-SYSTEMS	The European hydrogen highway has reached Norway	<a href="https://www.green-energy-center.com/kronenzeitung-per-wasserstoff-nach-norwegen/">https://www.green-energy-center.com/kronenzeitung-per-wasserstoff-nach-norwegen/</a>
10/07/2018	FEN-SYSTEMS	Europas größte Single-Stack-Elektrolyseanlage in Völs	<a href="https://www.demo4grid.eu/wp-content/uploads/2018/07/S22C-6e18071013090.pdf">https://www.demo4grid.eu/wp-content/uploads/2018/07/S22C-6e18071013090.pdf</a>
10/07/2018	FEN-SYSTEMS	Europas größte Single-Stack-Wasserstoff-Elektrolyseanlage in Völs mit ILF Consulting Engineers	<a href="https://www.green-energy-center.com/wp-content/uploads/2018/07/S22C-6e18071013090.pdf">https://www.green-energy-center.com/wp-content/uploads/2018/07/S22C-6e18071013090.pdf</a>
27/07/2018	FEN-SYSTEMS	Canadian Urban Transit Research & Innovation Consortium meets Green Energy Center Europe	<a href="https://www.green-energy-center.com/canadian-urban-transit-research-innovation-consortium-meets-green-energy-center-europe/">https://www.green-energy-center.com/canadian-urban-transit-research-innovation-consortium-meets-green-energy-center-europe/</a>
24/08/2018	FEN-SYSTEMS	Working Visit of Austrians Hydrogen Initiative (WIVA P&G) at the Green Energy Center Europe	<a href="https://www.green-energy-center.com/hydrogen-initiative-wiva-pg-austrians-model-region-energy-meets-green-energy-center-europe/">https://www.green-energy-center.com/hydrogen-initiative-wiva-pg-austrians-model-region-energy-meets-green-energy-center-europe/</a>
17/09/2018	FEN-SYSTEMS	HyWest Consortium: Bundled competence for a green future with hydrogen	<a href="https://www.green-energy-center.com/hywest-bundled-competence-for-a-green-energy-future/">https://www.green-energy-center.com/hywest-bundled-competence-for-a-green-energy-future/</a>
05/10/2018	FEN-SYSTEMS	Hyundai Fuel Cell Electric Trucks for projects of the Green Energy Center Europe	<a href="https://www.green-energy-center.com/hyundai-fuel-cell-electric-trucks-for-the-ongoing-projects-of-the-green-energy-center-europe/">https://www.green-energy-center.com/hyundai-fuel-cell-electric-trucks-for-the-ongoing-projects-of-the-green-energy-center-europe/</a>
06/10/2018	FEN-SYSTEMS	Hyundai NEXO FCEV launched with HyWest at the Green Energy Center Europe	<a href="https://www.green-energy-center.com/hydrogen-center-hywest-launches-together-with-the-hyundai-nexo-fcev-in-austria/">https://www.green-energy-center.com/hydrogen-center-hywest-launches-together-with-the-hyundai-nexo-fcev-in-austria/</a>
17/10/2018	FEN-SYSTEMS	Hyundai und HyWest präsentieren NEXO FCEV am HyCentA an der TU Graz	<a href="https://www.green-energy-center.com/hyundai-und-arge-hywest-praesentieren-nexo-fcev-am-hycenta-an-der-tu-graz/">https://www.green-energy-center.com/hyundai-und-arge-hywest-praesentieren-nexo-fcev-am-hycenta-an-der-tu-graz/</a>
18/10/2018	FEN-SYSTEMS	Hyundai NEXO Roadshows in Innsbruck, Linz/Wels und Graz	<a href="http://hyundai.yumm.at/flip/Hyundai-NEXO-Roadshow.html">http://hyundai.yumm.at/flip/Hyundai-NEXO-Roadshow.html</a>
16/11/2018	FEN-SYSTEMS	Politik informiert sich über den Bau der Brücke in die grüne Mobilitätszukunft	<a href="https://www.green-energy-center.com/politik-informiert-sich-uber-den-bau-der-bruecke-in-die-gruene-mobilitaetszukunft/">https://www.green-energy-center.com/politik-informiert-sich-uber-den-bau-der-bruecke-in-die-gruene-mobilitaetszukunft/</a>
16/11/2018	FEN-SYSTEMS	Eröffnung Info Corner des Green Energy Centers Europe	<a href="https://www.green-energy-center.com/info-corner-des-green-energy-centers-europe-eroffnet/">https://www.green-energy-center.com/info-corner-des-green-energy-centers-europe-eroffnet/</a>
17/11/2018	FEN-SYSTEMS	Autohaus Sparer in St.Johann in Tirol ist neuer Codex Partner des Green Energy Centers Europe	<a href="https://www.green-energy-center.com/autohaus-sparer-in-st-johann-in-tirol-ist-neuer-codex-partner/">https://www.green-energy-center.com/autohaus-sparer-in-st-johann-in-tirol-ist-neuer-codex-partner/</a>
20/11/2018	FEN-SYSTEMS	Expert Roundtable über "Sorglos Laden in der Zukunft"	<a href="https://www.green-energy-center.com/expert-roundtable-sorglos-laden-in-der-zukunft/">https://www.green-energy-center.com/expert-roundtable-sorglos-laden-in-der-zukunft/</a>
22/11/2018	FEN-SYSTEMS	Erfahrungsaustausch mit ElektromobilitätsClub Österreich am Green Energy Center Europe.	<a href="https://www.green-energy-center.com/erfahrungsaustausch-mit-elektromobilitaetsclub-osterreich-am-green-energy-center-europe/">https://www.green-energy-center.com/erfahrungsaustausch-mit-elektromobilitaetsclub-osterreich-am-green-energy-center-europe/</a>
30/11/2018	FEN-SYSTEMS	Wasserstoff Problemlöser der Zukunft, Vortrag Linz AG	<a href="https://www.green-energy-center.com/vortrag-fur-die-fuhrungskrafte-der-linz-ag/">https://www.green-energy-center.com/vortrag-fur-die-fuhrungskrafte-der-linz-ag/</a>
07/12/2018	FEN-SYSTEMS	SWECO aus Schweden besucht das Green Energy Center Europe	<a href="https://www.green-energy-center.com/7705-2/">https://www.green-energy-center.com/7705-2/</a>
13/12/2018	FEN-SYSTEMS	Batterie- und Wasserstoff-LKWs sind kein Widerspruch	<a href="https://www.green-energy-center.com/elektro-lkws-mit-batterie-und-wasserstoff-erganzungstechnologien-fur-den-grunen-schwerverkehr/">https://www.green-energy-center.com/elektro-lkws-mit-batterie-und-wasserstoff-erganzungstechnologien-fur-den-grunen-schwerverkehr/</a>
29/12/2018	FEN-SYSTEMS	Wasserstoffzentrum: Auf dieses Projekt in Tirol „schaut ganz Europa“   krone.at	<a href="https://www.green-energy-center.com/wasserstoffzentrum-auf-dieses-projekt-in-tirol-schaut-ganz-europa-krone.at">https://www.green-energy-center.com/wasserstoffzentrum-auf-dieses-projekt-in-tirol-schaut-ganz-europa-krone.at</a>
15/02/2019	FEN-SYSTEMS	Zillertaltrain fährt künftig mit grünem Wasserstoff, Infoabend in Mayrhofen	<a href="https://www.green-energy-center.com/infoabend-zillertaltrain-fahrt-kunftig-mit-grunem-wasserstoff/">https://www.green-energy-center.com/infoabend-zillertaltrain-fahrt-kunftig-mit-grunem-wasserstoff/</a>
22/02/2019	FEN-SYSTEMS	Zweiter Turnus der Berufsfeuerwehr Innsbruck absolvierte die erste Ausbildungsstufe zur Elektromobilität	<a href="https://www.green-energy-center.com/zweiter-turnus-der-berufsfeuerwehr-innsbruck-absolvierte-die-erste-ausbildungsstufe-zur-elektromobilitat/">https://www.green-energy-center.com/zweiter-turnus-der-berufsfeuerwehr-innsbruck-absolvierte-die-erste-ausbildungsstufe-zur-elektromobilitat/</a>
28/02/2019	FEN-SYSTEMS	Info Workshop "E-Mobilität", Donnerstag 28. Februar 2019 um 19:00 Uhr im Green Energy Center Europe	<a href="https://www.green-energy-center.com/info-workshop-e-mobilitat-28-februar-2019-19-uhr/">https://www.green-energy-center.com/info-workshop-e-mobilitat-28-februar-2019-19-uhr/</a>
07/03/2019	FEN-SYSTEMS	Wasserstoff, der Stoff in dem die Chancen der Zukunft liegen	<a href="https://www.green-energy-center.com/wp-content/uploads/2019/03/10-03-07-0%CC%88VG-Vortrag-Demo4Grid.pdf">https://www.green-energy-center.com/wp-content/uploads/2019/03/10-03-07-0%CC%88VG-Vortrag-Demo4Grid.pdf</a>
10/03/2019	FEN-SYSTEMS	Zillertal's Hydrogen-Powered Narrow-Gauge Railway Receives Ö3 Transport Award	<a href="https://fuelcellsworld.com/news/zillertals-hydrogen-powered-narrow-gauge-railway-receives-o3-transport-award/">https://fuelcellsworld.com/news/zillertals-hydrogen-powered-narrow-gauge-railway-receives-o3-transport-award/</a>

### 5.3. Annex Publications 1<sup>st</sup> and 2<sup>nd</sup> project year

Magazine Name	Date of issue	Author(s)	Target	Scope	Brief description	Link
YOUTUBE	01/03/2017	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen, Demo4Grid	Grüner Wasserstoff für Mpreis, Tirol und Europa	<a href="https://www.youtube.com/watch?time_continue=7&amp;v=kcoqPsqdzKY">https://www.youtube.com/watch?time_continue=7&amp;v=kcoqPsqdzKY</a>
H2-International	06/03/2017	H2-International	Dissemination	Demo4Grid and H2 Future	Hydrogen as Baking Industry's Bread-and-Butter: Demo4Grid is an FCH JU project in the vein of H2Future. It was likewise launched in Austria, in March 2017, and just as H2Future, it has been focusing on green hydrogen. The main differences are the test system, now a 4-megawatt high-pressure alkaline electrolyzer, and the location, this time near Theres Molk, an industrial bakery in Völs.	<a href="https://www.h2-international.com/2017/09/01/hydrogen-as-baking-industrys-bread-and-butter/">https://www.h2-international.com/2017/09/01/hydrogen-as-baking-industrys-bread-and-butter/</a>
AUTOMAGAZIN	17/03/2017	FEN-SYSTEMS	Dissemination	Green Hydrogen, Demo4Grid, H2 Busses	„Wasserstoff-Offensive“ Tirol – Land will mit EU-Hilfe H2-Busse installieren	<a href="https://www.automagazin.at/wasserstoff-offensive-tirol-land-will-mit-eu-hilfe-h2-busse-installieren/">https://www.automagazin.at/wasserstoff-offensive-tirol-land-will-mit-eu-hilfe-h2-busse-installieren/</a>
YOUTUBE	15/07/2017	FEN-SYSTEMS	Dissemination	Green Hydrogen, Demo4Grid	Video: "FCH JU Project Demo4Grid": Europe's largest Single-Stack-Electrolyser for regulating the electricity grid and producing green hydrogen for the food retailer	<a href="https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis-tirol-und-europa/">https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis-tirol-und-europa/</a>
YOUTUBE	15/11/2017	FEN-SYSTEMS	Dissemination	Green Hydrogen, Demo4Grid	Video German: "Grüner Wasserstoff für MPREIS, Tirol und Europa" as an important tool for getting permits from the authorities	<a href="https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis-tirol-und-europa/">https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis-tirol-und-europa/</a>
YOUTUBE	20/12/2017	FEN-SYSTEMS	Dissemination	Green Hydrogen, Demo4Grid	Video English: "Green Hydrogen for MPREIS, Tyrol and Europe" as an important tool for getting permits from the authorities	<a href="https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis/">https://www.demo4grid.eu/gruner-wasserstoff-fur-mpreis/</a>
eCar and Bike	04/01/2018	FEN-SYSTEMS, HYUNDAI	Dissemination	Green Hydrogen, Demo4Grid	Future diesel, gasoline, synthetic fuels, electric and hydrogen cars - all just fog grenades? How about a nationwide supply network? And which drive does the future belong to? really? We have visited the	
eCar and Bikee	04/01/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen Projects	Der Grüne Stoff, Interview Zeitschrift eCar and Bike	<a href="https://www.green-energy-center.com/interview-diesel-benzin-synthetische-kraftstoffe-elektro-und-wasserstoffautos/">https://www.green-energy-center.com/interview-diesel-benzin-synthetische-kraftstoffe-elektro-und-wasserstoffautos/</a>
Kronenzeitung	01/03/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen Projects	Green Energy Center Europe: "Der Stille Klang der Zukunft"	<a href="https://www.green-energy-center.com/green-energy-der-stille-klang-der-zukunft/">https://www.green-energy-center.com/green-energy-der-stille-klang-der-zukunft/</a>
YOUTUBE	22/03/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen Projects	Zillertaltrain 2020+, Energy-Autonomous with Hydrogen	<a href="https://www.green-energy-center.com/zillertalbahn-2020-energy-autonomous-with-hydrogen/">https://www.green-energy-center.com/zillertalbahn-2020-energy-autonomous-with-hydrogen/</a>
THERESE MÖLK	30/03/2018	MPREIS	Dissemination	Green Hydrogen, Demo4Grid, H2 Busses	Von Öl, Kohle und Gas hin zu Sonne, Wind und Wasser. MPREIS und die Bäckerei Theres Molk unterstützen das Projekt „Demo4Grid“. Das heißt: In Zukunft werden unsere Backöfen mit grüner Energie beheizt.	
Kronenzeitung	30/06/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Hydrogen Highway	The European hydrogen highway has reached Norway	<a href="https://www.green-energy-center.com/kronenzeitung-per-wasserstoff-nach-norwegen/">https://www.green-energy-center.com/kronenzeitung-per-wasserstoff-nach-norwegen/</a>
Reading	10/07/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen, Demo4Grid	Europas größte Single-Stack-Wasserstoff-Elektrolyseanlage in Völs mit ILF Consulting Engineers	<a href="https://www.green-energy-center.com/wp-content/uploads/2018/07/S22C-6e18071013090.pdf">https://www.green-energy-center.com/wp-content/uploads/2018/07/S22C-6e18071013090.pdf</a>
YOUTUBE	17/09/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen, Consortium	HyWest Consortium: Bundled competence for a green future with hydrogen	<a href="https://www.green-energy-center.com/hywest-bundled-competence-for-a-green-energy-future/">https://www.green-energy-center.com/hywest-bundled-competence-for-a-green-energy-future/</a>
Kronenzeitung	29/12/2018	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen, Projects	Wasserstoffzentrum: Auf dieses Projekt in Tirol „schaut ganz Europa“   krone.at	Wasserstoffzentrum: Auf dieses Projekt in Tirol „schaut ganz Europa“   krone.at
OTS	10/03/2019	FEN-SYSTEMS	Dissemination, Stakeholder alignment	Green Hydrogen, Hydrogen Projects	Zillertal's Hydrogen-Powered Narrow-Gauge Railway Receives Ö3 Transport Award	<a href="https://fuelcellworks.com/news/zillertals-hydrogen-powered-narrow-gauge-railway-receives-o3-transport-award/">https://fuelcellworks.com/news/zillertals-hydrogen-powered-narrow-gauge-railway-receives-o3-transport-award/</a>

## 5.4. Annex Press Releases 1<sup>st</sup> and 2<sup>nd</sup> project year

Date of issue	Author(s)	Target	Scope	Brief description
18.03.17	FEN-SYSTEMS	Dissemination	Kick-off Meeting in Innsbruck	<a href="https://www.ots.at/presseaussendung/OTS_20170318_OT0011/europas-groesster-elektrolyseur-zur-regelung-des-stromnetzes-und-erzeugung-von-gruenem-wasserstoff-fuer-mpreis-bild">https://www.ots.at/presseaussendung/OTS_20170318_OT0011/europas-groesster-elektrolyseur-zur-regelung-des-stromnetzes-und-erzeugung-von-gruenem-wasserstoff-fuer-mpreis-bild</a>
17.06.07	Demo4Grid Project	Dissemination	Final PR Demo4Grid Kick-Off.docx	<a href="https://www.demo4grid.eu/europes-largest-single-stack-electrolyser-for-regulating-the-electricity-grid-and-producing-green-hydrogen-for-the-food-retailer-2/">https://www.demo4grid.eu/europes-largest-single-stack-electrolyser-for-regulating-the-electricity-grid-and-producing-green-hydrogen-for-the-food-retailer-2/</a>

## 5.5. Scientific papers in progress

Name	Topic	Date of issue	Author(s)	Brief description	Link
Permitting Process of the Demo4Grid project	Legal aspects to the permitting process (FEN Systems, MPreis & Co)	in progress	Filip Boban, Nikolaus Fleischhacker, Ewald Perwög, Ernst Fleischhacker	Based on a Mater Thesis of Filip Boban, supported by FEN Systems	FEN Systems, MPreis
Site Preparation Process of Demo4Grid	Technical aspects for the Site Preparation				Innycom, IHT & Co
Technical Results of Demo4Grid	Technical Results of the Project				IHT, MPreis & Co
Economical Results of Demo4Grid	Economical Results of the Project				Diadikasia, FEN Systems, MPreis

## 5.6. Magazines to be addressed

Magazine	Public	Focus, (message to send)
	target	
<a href="http://www.tecnicaindustrial.es/">http://www.tecnicaindustrial.es/</a>	SP	Engineers, (technology)
<a href="http://www.empresason.com">http://www.empresason.com</a>	SP	Innovation, SME, (Business Models)
<a href="http://futureenviro.es/">http://futureenviro.es/</a>	SP	Environment, smartcities (technology, business models)
	EN	
<a href="http://futureenergyweb.es/">http://futureenergyweb.es/</a>	SP	Renewable energy, (Business Models)
	EN	
<a href="http://www.renewableenergymagazine.com">www.renewableenergymagazine.com</a> (REM)	EN	Renewable energy (Business Models)
<a href="http://www.ciudadostenible.eu/">http://www.ciudadostenible.eu/</a>	SP	IT, Smart cities, energy (technology, business models)
<a href="http://www.evwind.es/">http://www.evwind.es/</a>	bilingual news website ES	Wind Energy, RE (Business Models)
<a href="http://www.innovaspain.com/">http://www.innovaspain.com/</a>	SP	Innovation, (technology)
<a href="http://www.elmundoecologico.es/">http://www.elmundoecologico.es/</a>	SP	Batteries, environment (technology)
<a href="http://www.energetica21.com/">http://www.energetica21.com/</a>	SP	Efficiency and energy production (technology, business models)
<a href="http://tdworld.com/">http://tdworld.com/</a>	EN	transmission, distribution, electric power industry (business models)
<a href="http://www.powermag.com">http://www.powermag.com</a>	EN	Energy, energy production, coal, gas, renewables (technology, business models)
<a href="http://www.electricity-today.com/">http://www.electricity-today.com/</a>	EN (US)	TSO, DSOs high-voltage T&D consulting engineers (technology, business models)
<a href="http://www.intelligent-power-today.com/">http://www.intelligent-power-today.com/</a>	EN	smart electrical power technology driving industrial, commercial, and institutional power systems (technology, business models)
<a href="https://www.energyworldmag.com/">https://www.energyworldmag.com/</a>	EU	Oil, gas, electricity, renewables South east europe and east med (technology, business models)
	(south east)	
	EN/GR	
<a href="http://elperiodicodelaenergia.com/">http://elperiodicodelaenergia.com/</a>	ES	Innovation, energies (technology, business models)
<a href="http://www.aragoninvestiga.org/">http://www.aragoninvestiga.org/</a>	Aragón, ES	Innovation (technology)
<a href="http://www.heraldo.es/suplementos/tercer-milenio/portada/">http://www.heraldo.es/suplementos/tercer-milenio/portada/</a>	Aragón, ES	Innovation (technology)
<a href="http://www.publish-industry.net/en/products/energy-2-0/">http://www.publish-industry.net/en/products/energy-2-0/</a>	EN	Markets, energy, strategies, technologies (technology, business models)
<a href="http://www.industr.com/Energy20-Magazin/de_DE">http://www.industr.com/Energy20-Magazin/de_DE</a>	DE	
<a href="http://www.energate.de/unternehmen/ueber-uns/">http://www.energate.de/unternehmen/ueber-uns/</a>	DE	Energie- und Wirtschaftsunternehmen (technology, business models)
<a href="http://www.energate.de/e21digital/">http://www.energate.de/e21digital/</a>		
<a href="http://www.emw-online.com/home/">http://www.emw-online.com/home/</a>		
<a href="http://www.hydrogeit.de/">http://www.hydrogeit.de/</a>	DE	Hydrogen news (technology, H2 stakeholders)
<a href="http://www.rechargenews.com/news/">http://www.rechargenews.com/news/</a>	EN	Energy, electricity production, renewables, gas, oil (business models)
<a href="http://www.cleanenergy-project.de/">http://www.cleanenergy-project.de/</a>	DE	Energy, innovation (technology, business models)
<a href="http://www.ingenieur.de/UmweltMagazin">http://www.ingenieur.de/UmweltMagazin</a>	DE	Environment, energy (technology, business models)
<a href="http://www.ingenieur.de/BWK">http://www.ingenieur.de/BWK</a>		
<a href="http://www.ingeniuerbueros.at">http://www.ingeniuerbueros.at</a>	DE	EnineerlNG, featurlNG, infomlNG, meetlNG, intrestlNG

## 5.7. Events to be attended

Event Date	Organiser	Event	Location	Events Comments
23-27 April 2017	Tobias Renz	Hydrogen + Fuel Cells + Batteries, within Hannover Messe 2018	Hannover, Germany	<a href="http://www.h2fc-fair.com/">www.h2fc-fair.com/</a>
25-26 April 2017	ESReDA	54st ESReDA Seminar	Nantes, France	<a href="https://www.esreda.org/event/54th-esreda-seminar/">https://www.esreda.org/event/54th-esreda-seminar/</a>
4-5 April 2018		Hyvolution	Paris, France	<a href="http://www.hyvolution-event.com/en">http://www.hyvolution-event.com/en</a>
30 April – 2 May 2018	CIRP	25th Conference on Life Cycle Engineering	Copenhagen	<a href="http://www.lce2018.dk/">http://www.lce2018.dk/</a>
2-3 May 2018	Reed Exhibitions	All-Energy 2018	Glasgow	Very popular, 7,500+ delegates attended in 2017. <a href="http://www.all-energy.co.uk/">www.all-energy.co.uk/</a>
15 May 2018	3PPP	Low Carbon Scotland 2018	Dynamic Earth, Edinburgh	<a href="http://www.low-carbonscotland.scot/">http://www.low-carbonscotland.scot/</a>
16 May 2018	BIG HIT	Shapinsay visit and Hydrogen Territories	Kirkwall, Orkney Islands	<a href="https://www.bighit.eu/">https://www.bighit.eu/</a>
4-8 June 2018	EU	EU Sustainable Energy Week	All EU locations possible	<a href="http://www.eusew.eu/">http://www.eusew.eu/</a>
17-22 June 2018	WHEC 2018	World Hydrogen Energy Conference	Rio De Janeiro, Brazil	<a href="http://www.whec2018.com/">www.whec2018.com/</a>
3-6 July 2018	EFCF	European SOFC & SOE Forum	Lucerne	<a href="http://www.efcf.com">www.efcf.com</a>
24-27 July 2018	HYPOTHESIS XIII		Singapore	<a href="http://www.hypothesis.ws">www.hypothesis.ws</a>
6-12 Sept 2018	OISF	Orkney International Science Festival	Kirkwall	Discussion ongoing with Howie Firth about talks and participation
12-13 Sept 2018	CENEX	LCV 2018	Millbrook, UK	<a href="http://www.cenex-lcv.co.uk">www.cenex-lcv.co.uk</a>
26-27 Sept 2018	IET	RPG™ 2018: The 7th International Conference on Renewable Power Generation	DTU, Lyngby, Copenhagen, Denmark	<a href="http://www.theiet.org/rpg">www.theiet.org/rpg</a>
19-21 Oct 2018		Arctic Circle Assembly	Reykjavik, Iceland.	<a href="http://www.arcticcircle.org/assembly/2018/proposals">http://www.arcticcircle.org/assembly/2018/proposals</a>
30-31 Oct 2018		Ocean Energy Europe Conference & Exhibition	Edinburgh International Convention Centre	<a href="https://www.oceanenergy-europe.eu/event/ocean-energy-europe-2018/">https://www.oceanenergy-europe.eu/event/ocean-energy-europe-2018/</a>
14-nov-18	FCH-JU	11th Stakeholder Forum	Brussels	<a href="http://www.fch.europa.eu">www.fch.europa.eu</a>
15-16 Nov 2018	FCH-JU	Programme Review Days	Brussels	<a href="http://www.fch.europa.eu">www.fch.europa.eu</a>
2-5 July 2019	EFCF	Low temp FC, electrolyzers & H2 processing forum	Lucerne	<a href="http://www.efcf.com/2019">www.efcf.com/2019</a>
2-5 July 2019	WHEC 2020	World Hydrogen Energy Conference	Iceland	
2-5 July 2019	BIG HIT	Final project meeting / conference	Malta	Hold during EU Sustainable Energy Week?
2-5 July 2019	WHEC 2022	World Hydrogen Energy Conference	Copenhagen	

## 5.8. Advertising Pylons at the Green Energy Center Europe



**Green Energy Center**

**Demo4Grid**

European Commission

FUEL CELLS AND HYDROGEN JOINT UNDERTAKING

**H2 for Tyrol**

Hauptziel des Projekts Demo4Grid ist die kommerzielle Errichtung und Demonstration eines Alkali-Druck-Elektrolyseurs (PAE) über dem Stand der Technik als Technologie zur Bereitstellung von Regenergie in realen Betriebs- und Marktbedingungen

DIADIKASIA S.A. Business Consultants

MPREIS

ihT INDUSTRIE HAUTE TECHNOLOGIE

(fen) systems

FUNDACIÓN PARA EL DESARROLLO DE LAS NUEVAS TECNOLOGÍAS DEL HIDRÓGENO EN ARAGÓN

Version 2017 (Project start)



**Green Energy Center**

European Commission

Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Departement für Wirtschaft, Bildung und Forschung WBF  
Staatssekretariat für Bildung, Forschung und Innovation SBF

FUEL CELLS AND HYDROGEN JOINT UNDERTAKING

**Demo4Grid**

This project is supported by the Fuel Cells & Hydrogen 2 Joint Undertaking (FCH2 JU) of the European Commission under grand agreement N° 736351 and the Swiss State Secretariat for Education, Research and Innovation (SERI) under contract number 17.00002

Mit dem "Demo4Grid" Projekt wird bei der Großbäckerei MPREIS in Völs eine 4 MW Elektrolyseanlage zur Stromnetzregelung errichtet. Mit Wasser (H<sub>2</sub>O) und sauberem Strom aus Wasserkraft werden dort pro Tag 1,8 Tonnen grüner Wasserstoff (H<sub>2</sub>) erzeugt.

Mit Wasserstoff als Brennstoff wird zunächst die MPREIS Großbäckerei betrieben. Zukünftig wird dann die gesamte LKW-Lieferflotte auf Wasserstoff als Treibstoff umgerüstet. Allein diese Umstellungen entsprechen einer Reduktion an Schadstoffen von 20t CO<sub>2</sub>.

**Rezept:** Wasser + Wasserkraft = Wasserstoff  
**Resultat:** Wärme für Großbäckerei + Treibstoff für LKW-Fuhrpark  
**übrig bleibt:** Wasserdampf für den Wasserkreislauf

[www.demo4grid.eu](http://www.demo4grid.eu)

(fen) systems

MPREIS

DIADIKASIA S.A. Business Consultants

ihT INDUSTRIE HAUTE TECHNOLOGIE

Inycom innovation technologies

FUNDACIÓN PARA EL DESARROLLO DE LAS NUEVAS TECNOLOGÍAS DEL HIDRÓGENO EN ARAGÓN

Version 2018 (Project awareness)



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