

Integrated Demand REsponse SOlution Towards Energy POsitive NeighbourhooDs

WP7 DISSEMINATION AND EXPLOITATION ACTIVITIES

T7.4 BEST PRACTICE EXCHANGES AND METHODOLOGY WORKSHOPS

D7.5 Best practice exchange strategy

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EXECUTIVE SUMMARY

This Deliverable is part of the project Integrated *Demand Response Solution Towards Energy Positive Neighbourhoods* (RESPOND) and it reports the activities from Task 7.4 *Best practice exchanges and methodology workshops*.

This task aimed to show outreach to all potential stakeholders starting from the residential/social housing associations to energy providers and demand aggregators, while raising the awareness about the best practices in RESPOND project.

This Deliverable is performed in close collaboration with Task 7.1 as dissemination activities of best practices will be conducted through traditional channels (e.g. web pages, brochures, newsletters, conferences, workshops, e-seminars, etc.).

The Dissemination and Communication Plan contains an overview of activities already carried out, as well as future dissemination activities.

It was planned to organize 5 different workshops in the second half of the project gathering relevant stakeholders from EU for best practice exchange and to disseminate the exploitation potential of RESPOND. Project results should add value to these venues while giving RESPOND project partners the opportunity to exchange the best practices and ideas.

COVID 19 influenced these workshops and so alternatives were discussed and it was decided to organize webinars for the local/national stakeholders instead. The objectives for the webinars are the same as for the workshops. Specific guidelines had been defined to assure the dissemination of the best practices and follow-up of the replication plan (defined in Task 6.4) to all relevant private and public organizations identified by the project partners over the course of the project.

The webinars held by NUIG and AAU had to be held after end of the project (in the beginning of October 2020). One extra webinar will be held September 30th in Energati.

This task will be aimed to outreach all potential stakeholders starting from the residential/social housing associations to energy providers and demand aggregators, while raising the awareness about the best practices in RESPOND project.

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ABBREVIATIONS AND ACRONYMS

DR	Demand Respond
KPI's	Key Performance Indicators
SEO	Search Engine Optimazation

1. INTRODUCTION

This Deliverable is part of the project Integrated *Demand Response Solution Towards Energy Positive Neighbourhoods* (RESPOND) and it reports the activities from Task 7.4 *Best practice exchanges and methodology workshops*.

This task aimed to show outreach to all potential stakeholders starting from the residential/social housing associations to energy providers and demand aggregators, while raising the awareness about the best practices in RESPOND project.

This Deliverable is performed in close collaboration with Task 7.1 as dissemination activities of best practices will be conducted through traditional channels (e.g. web pages, brochures, newsletters, conferences, workshops, e-seminars, etc.).

The Dissemination and Communication Plan contains an overview of activities already carried out as well as future dissemination activities after project end.

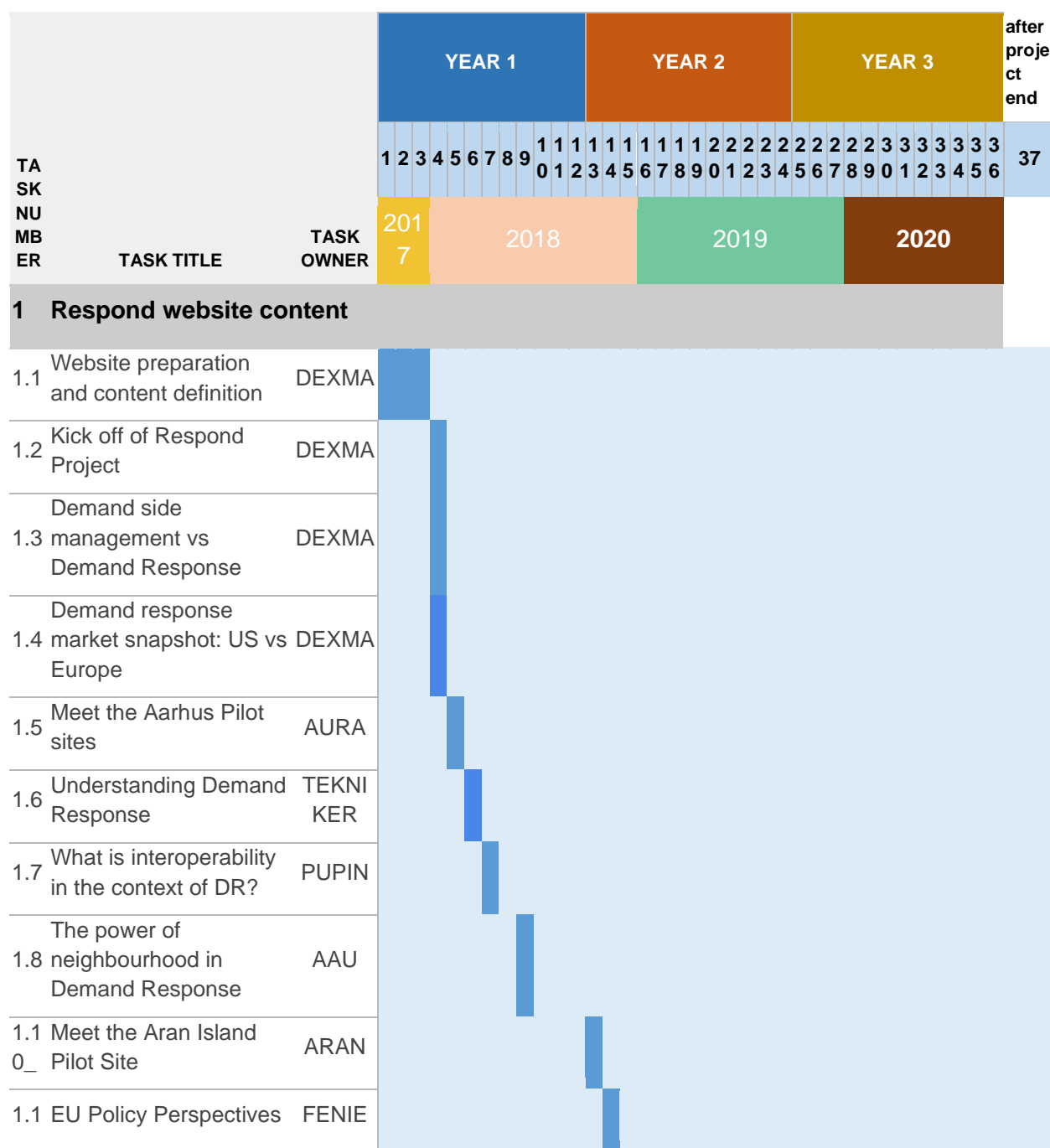
It was planned to organize 5 different workshops in the second half of the project gathering relevant stakeholders from EU for best practice exchange and to disseminate the exploitation potential of RESPOND. Project results should add value to these venues while giving RESPOND project partners the opportunity to exchange the best practices and ideas. Specific guidelines will be defined to assure the dissemination of the best practices and follow-up of the replication plan (defined in Task 6.4) to all relevant private and public organizations identified by the project partners over the course of the project.

COVID 19 influenced the workshops and so alternatives were discussed and it was decided to organize webinars for the local/national stakeholders instead. The objectives for the webinars are the same as for the workshops. The webinars held by AAU had to be held after end of the project (in the beginning of October 2020) for practical reasons. One extra webinar will be held September 30th in Energati.

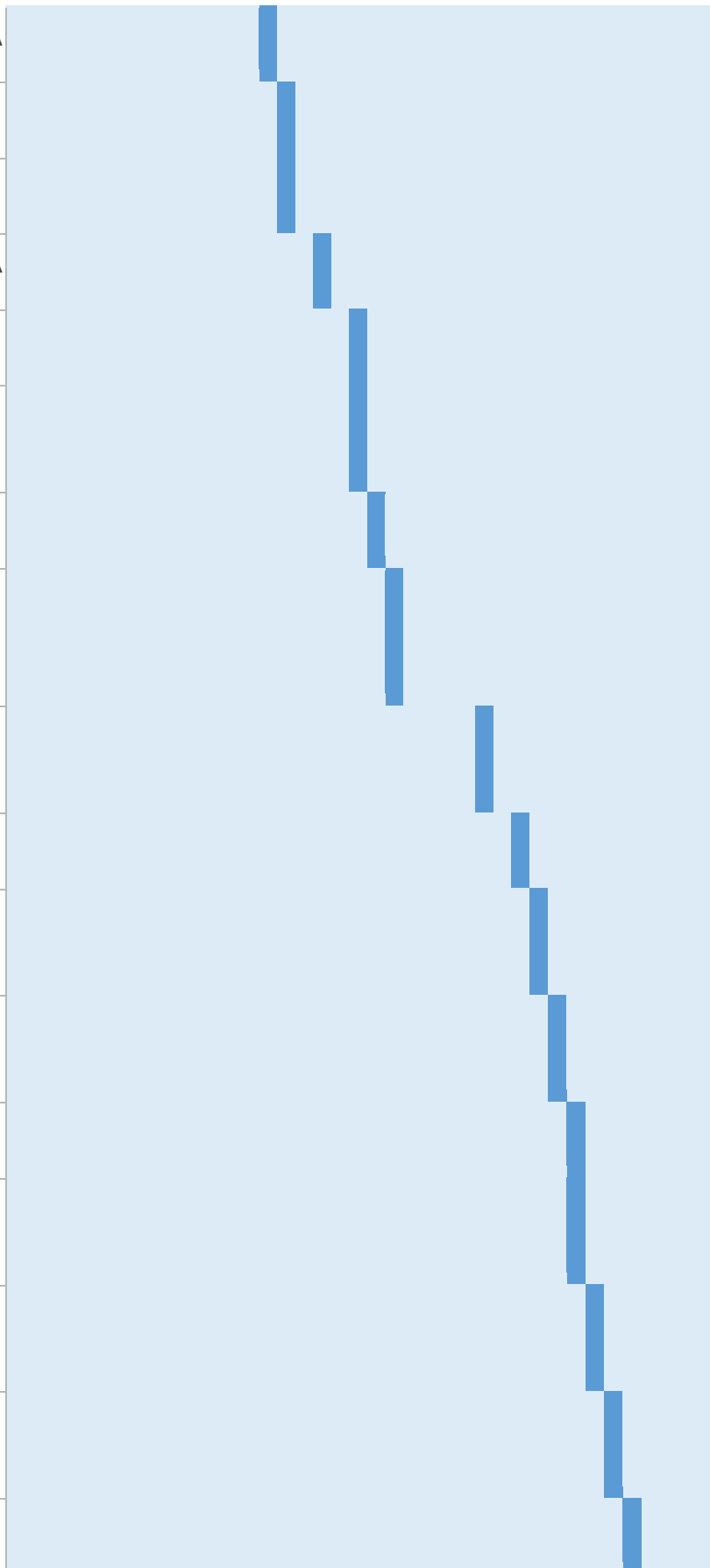
2. DISSEMINATIONS OF RESULTS

In this task, efforts have been made with the aim of disseminating the results and best practices in the RESPOND project. Task 7.4 has been coordinated with Task 7.1 to determine the best actions to continue the dissemination of the project's outcomes. The Gantt chart, with RESPOND website content, press releases, events attendance, webinars, social media publications and scientific publications used in D7.1 has been updated with the latest dissemination activities.

TABLE 1. GANTT CHART DISSEMINATION AND COMMUNICATION



1.1 4 Differences between 1 DSM & DR	DEXMA
1.1 The role of DR in Smart 2 Cities	TEKNI KER
1.1 Meet the Madrid Pilot 3 Site	FENIE
1.1 Key points of Respond 4 Project in 2018	DEXMA
1.1 Semantic Technologies 5 for Integrating DR Data	TEKNI KER
1.1 Demand Response and 6 Space heating practices in homes	AAU
1.1 Devices deployed at 7 Aran Pilot Site	ARAN
1.1 Optimising the energy demand of 8 neighbourhood under DR umbrella	PUPIN
1.1 Energy production 9 forecasting as a driving concept for DR	PUPIN
1.2 How the utility-customer 0_ relationship is changing	FENIE
1.2 Personal energy 1 performance assistant released	TEKNI KER
1.2 Interview with Prof. 2 Sanja Vranes- Insights about RESPOND	PUPIN
1.2 Cybersecurity for cloud- 3 based DR solution	PUPIN
1.2 Personal energy 4 performance assistant released	TEKNI KER
1.2 How have we engaged 5 the users at the Danish pilot	AURA
1.2 Thermal experienced by 6 tenants (questionnaire survey)	AAU
1.2 Focus group outcomes 7	AAU



1.2
8 DR actions results NUIG

2 Press releases

2.1 Danish news AURA

2.2 Spanish news FENIE

2.3 Alboa newsletter ALBOA

BL branche
2.3 organisation for social housing ALBOA

2.4 Tekniker's newtek TEKNI
KER

Engerati; participants in
DR programs show
2.5 30% more of DEXMA
engagement with their
utility

2.6 Dansk Energi
"Magasinet Energi" AURA

Internal FEN
2.7 dissemination - FENIE
newsletter (spanish)

3 Events attendance

3.1 Digital Energy 2018, TEKNI
Madrid, Spain KER

3.2 IOT Week Bilbao 2018 TEKNI
KER

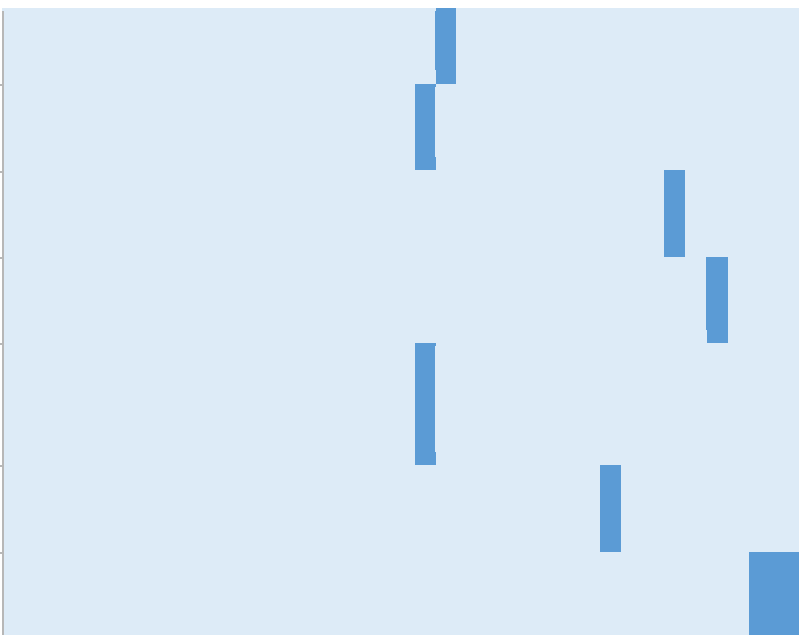
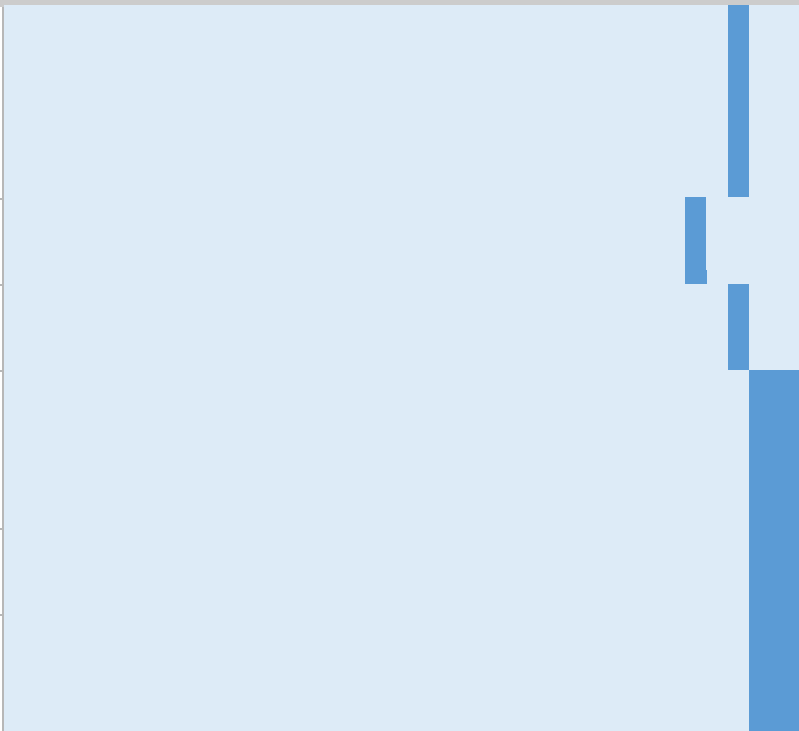
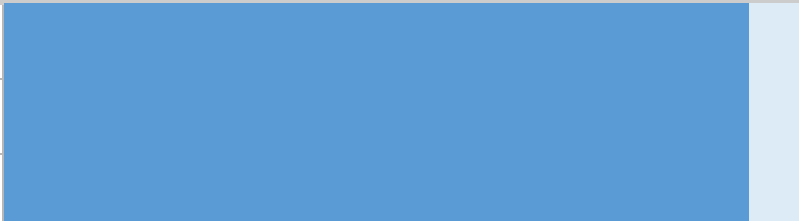
3.3 Sustainable Places
2018 NUIG +
TEKNI
KER +
FENIE

3.4 Workshop in LDAC TEKNI
2019 KER

3.5 Sustainable Energy DEXMA
Week

3.6 Sustainable Places
2019 NUIG+
PUPIN

3.7 ECEE Summer Study
2019 AAU

3.8	Utility week 2019	DEXMA	
3.9	ETSI IoT Week	TEKNIKER	
3.10	LDAC 2020	TEKNIKER	
3.11	ECAI2020	TEKNIKER	
3.12	Event with Clean Energy for EU Islands Secretariat	ARAN	
3.13	EnergyForum Danmark conference 2020	AURA	
3.14	Smart Energy Systems International conference	AAU	
4 Webinars			
4.1	Engerati; Demand Response Trends Powering the Energy & Utilities Industry: Meet Project Respond	DEXMA, PUP, TEK, FEN	
4.2	RESPOND analytical services	TEK	
4.3	Personal Energy Performance Assistant	TEK	
4.4	DR programs for building energy efficiency and user's comfort	NUIG	
4.5	Flexible district heating consumption	AAU	
4.6	Local electricity production and flexible consumption	AAU	
5 Social media publications			
5.1	LinkedIn	DEXMA	
5.2	Facebook	DEXMA	
5.3	Twitter	DEXMA	

5.4 Youtube

DEXMA

6 Scientific publications

6.1	Integrating building and IoT data in DR solutions	TEKNIKER
6.2	How to engage households in energy DR solutions	AAU
6.3	DR for residential buildings: Case studies and DR in Respond	NUIG
6.4	Machine learning applied to building energy production and consumption	NUIG
6.5	Semantic interoperability for DR programmes	TEKNIKER
6.6	Results from the Aarhus DR heat trial	AAU
6.7	Towards Defining Data Usage Restrictions in the Built Environment	TEKNIKER
6.8	An Artificial Intelligent System for Demand Response in Neighbourhoods	TEKNIKER+PUPIN
6.9	Demand Response Markets for Project RESPOND (for dissemination in the University of Malaga)	FENIE
6.10	Demand response en los mercados eléctricos españoles bajo el proyecto europeo RESPOND	FENIE

2.1. DISSEMINATION KPI'S

An update of the dissemination Key Performance Indicators (KPIs) presented in Deliverable 7.1 is presented below. These KPIs have been defined to measure the efficiency and effectiveness of dissemination activities.

TABLE 2. DISSEMINATION KEY PERFORMENS INDICATORS (KPI'S)

Dissemination Activity	KPI's
Project website	<ul style="list-style-type: none"> • Number of monthly unique visitors: 384 (Total 8064) • Number of contact form submissions: 40 (non qualified leads) • Average session duration: 2:30 • Bounce rate: 38,8%
Project website > Blog	<ul style="list-style-type: none"> • Number of posts: 47+7 webpages (Total 54) • Number of views per post: 149 views/webpage or 171 views/post
Project website > Email campaigns	<ul style="list-style-type: none"> • Number of emails sent: DEX sent 17 emails (3 languages) to an avg. of 3000 recipients • Open rate: DEX 35%
Events	<ul style="list-style-type: none"> • Number of events with RESPOND presence (presentation, poster, intervention, etc.) • As of September 2020: 14
Social media	<ul style="list-style-type: none"> • Number of Twitter followers: 128 • Number of Tweets published: 138 • Number of Facebook likes: 32 • Number of Facebook posts published: 66 • Number of LinkedIn group members: 36 • Number of LinkedIn group posts published: 54 • Number of YouTube subscribers: 42 • Number of YouTube videos published: 3
Scientific journal publications	<ul style="list-style-type: none"> • Number of articles published in relevant, high-impact journals • Target KPI: 5 • As of September 2020: 10
Conference publications	<ul style="list-style-type: none"> • Number of publications delivered at recognized international conferences • Target KPI: 5 • As of September 2020: 4

Several actions have been planned during the final months of the project.

Below we describe examples of dissemination activity in the final month of the project.

The smart energy network Engerati¹ was contacted in order to know which were the possibilities they offered regarding the dissemination of RESPOND. Engerati offered several options, and it was decided that an article would be published on Engerati's webpage and they would also host a webinar. On the other hand, the production of a video for each pilot site was planned: one each for Madrid, Aran and Aarhus.

2.1.1. ARTICLE AT ENGERATI WEBSITE

The article 'Participants in demand response programmes show 30% more engagement with their utility'² was published on Engerati's website on September 18th. The article focuses on the opportunities that demand response presents for utilities, like RESPOND, which can reduce churn for utilities and increase their user engagement. Finally, it mentions the potential for Respond and other demand response solutions in the residential sector due to the Covid-19 pandemic.

Link to the article: <https://www.engerati.com/energy-retail/demand-response-needs-help-to-reach-its-full-potential/>. See screenshot below

¹ Engerati: <https://www.engerati.com/>

² Article: <https://www.engerati.com/energy-retail/demand-response-needs-help-to-reach-its-full-potential/>

FIGURE 1. SCREENSHOT FROM ENGERATI WEBSITE WITH RESPOND ARTICLE



Participants in demand response programmes show 30% more engagement with their utility



Contact Dexma

☐ Does this enquiry relate to a product or a service ☐



Despite enormous potential, energy market players such as utilities, have only been thinking about demand response as a flexible grid management tool, rather than an opportunity to engage with their customers.

In most electricity markets around the world, demand response still needs appropriate regulatory environments and policy support to become a reality. By 2050, the global inventory of flexible assets in the residential, commercial and industrial sectors needs to be 10 times higher than it is today, so energy customers will proactively receive appropriate financial incentives for temporary energy reductions which help maintain the grid's stability[1] [2].

Fortunately, the whole energy ecosystem is facing fast development and transformation, and this includes demand response. For instance, distributed renewable generation and EVs allow customers to become energy prosumers who can actively manage their own energy consumption, generation, and storage.

The climate emergency is accelerating the need for a decarbonised energy system and smart digitalisation is empowering both commercial and residential customers[3] [4]. With the evolution of these trends over the next few years, new business models and revenue streams related to demand response will arise, for example aggregators, virtual power plants development and big data.

Energy analytics platforms such as the **DEXMA platform** or demand response management solutions like the **Respond platform** will adjust consumption and production patterns bringing flexibility closer to prosumers[5].

DEXMA provides energy intelligent solutions to help utilities to:

- Detect energy savings opportunities (such as DR) by identifying potential flexibility using advanced load disaggregation techniques. This potential can be estimated, for instance, by quantifying the share of energy consumption represented by HVAC and other flexible loads.
- Analyse energy KPIs and perform energy analytics. This combined with demand response is key for the mid-market customers, where demand response "alone" does not pay-off the required investment in assets by itself. In these cases, the ROI can be achieved if the energy savings provided by the energy analytics and the DR technologies are combined.
- Optimise energy consumption and estimate anomalous customer's behaviours.

The cloud-based SaaS tool combines big data analytics with energy efficiency and AI, and it is currently used in more than 80,000 buildings in more than 30 countries.

2.1.2. WEBINAR AT ENGERATI

The webinar ‘Demand response trends powering the energy and utilities industry: Meet Project Respond’, planned for September 30 at Engerati, involves speakers from several partners: Feníe Energía, Institut Mihajlo Pupin (PUP), Tekniker Research and Technology Centre and DEXMA. This webinar targets several potential stakeholders which may be interested in RESPOND, such as aggregators, utilities and ESCOs. The webinar includes an explanation of RESPOND’s main technical challenges, then it focuses on the existing demand response trends for utilities and for the rest of the energy sector. The webinar ends with a dissertation of the challenges that Covid-19 poses for demand response programmes. The agenda³ for the webinar is the following:

1. Welcome & Introduction
 - a. Chair: Francisco Javier Díez (Tekniker)
2. DR trends for utilities and the energy sector
 - a. Led by María Luisa Serrano & Agustina Yara (Feníe Energía) and Oriol Pla & Laura Martínez (DEXMA)
3. Project RESPOND: technical challenges
 - a. Led by Nikola Tomašević and Lazar Berbakov (IMP)
4. Covid-19 challenges in Demand Response
 - a. Led by Iker Esnaola González (Tekniker)
5. Questing & Answer

A banner was published on Engerati’s website⁴ to announce the webinar. The two images displayed by the banner are displayed in Figure 2.

³ Webinar agenda: <https://www.engerati.com/transmission-distribution/demand-response-trends-powering-the-energy-and-utilities-industry-meet-project-respond/>

⁴ <https://www.engerati.com/>

FIGURE 2. BANNER DISPLAYED AT ENGERATI WEBPAGE



30 SEPTEMBER 11am (CET) **WEBINAR**

Demand Response Trends Powering the Energy & Utilities Industry: Meet Project Respond

Sponsored by **Engerati**

REGISTER NOW

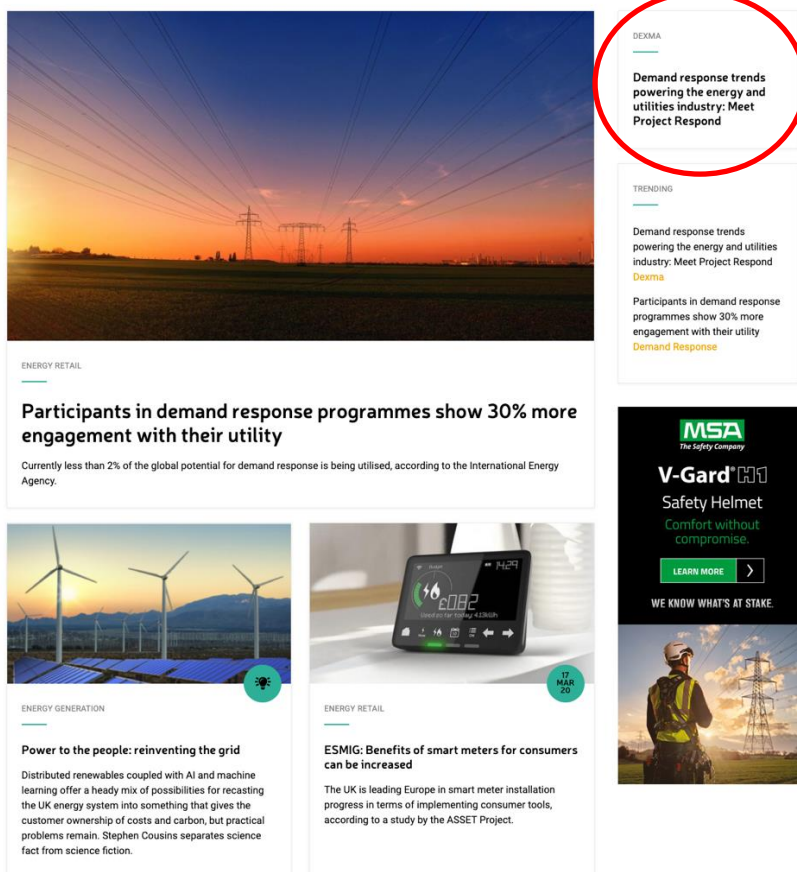
Discover the trends from three pilot innovation sites on rolling out demand response

Speakers:

- Nikola Tomašević** Pupin
- Oriol Pla** DEXMA
- Francisco Javier Díez** Tekniker
- Maria Luisa Serrano** Fenie Energía
- Lazar Berbakov** Pupin
- Laura Martinez** DEXMA
- Iker Esnaola Gonzalez** Tekniker

Engerati ENERGY RETAIL ENERGY GENERATION SMART INFRASTRUCTURE TRANSMISSION & DISTRIBUTION Hi Elodie Guillard Logout

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Participants in demand response programmes show 30% more engagement with their utility

Currently less than 2% of the global potential for demand response is being utilised, according to the International Energy Agency.

ENERGY RETAIL

Power to the people: reinventing the grid

Distributed renewables coupled with AI and machine learning offer a heady mix of possibilities for recasting the UK energy system into something that gives the customer ownership of costs and carbon, but practical problems remain. Stephen Cousins separates science fact from science fiction.

ENERGY GENERATION

ESMIG: Benefits of smart meters for consumers can be increased

The UK is leading Europe in smart meter installation progress in terms of implementing consumer tools, according to a study by the ASSET Project.

ENERGY RETAIL

TRENDING

Demand response trends powering the energy and utilities industry: Meet Project Respond **DEXMA**

Participants in demand response programmes show 30% more engagement with their utility **Demand Response**

DEXMA

Demand response trends powering the energy and utilities industry: Meet Project Respond

MSA The Safety Company

V-Gard Safety Helmet

Comfort without compromise.

LEARN MORE

WE KNOW WHAT'S AT STAKE.

2.1.3. PILOT VIDEOS

There has been a production of a video for each pilot site in the last two months of the project periodic. Two of these videos were produced externally. Madrid pilot video was produced by Bonus Studio⁵ and Aran's pilot video was produced by True North Media⁶ while Aarhus' video was produced internally by AURA. The aim of these videos was to briefly present the RESPOND project, then make an introduction to the pilot site with the pilot coordinator or coordinators. The videos have a duration of 3-5 minutes.

2.1.3.1. MADRID

Firstly, Maria Luisa and Agustina from Feníe Energía explain RESPOND project. Then, a technician from Feníe Energía explains the installation works which were done at the pilot site and finally a pilot participant is interviewed regarding her participation in the project.

FIGURE 3. MADRID PILOT COORDINATOR



⁵ Bonus Studio: <https://www.studiobonus.es/>

⁶ True North Media: <https://www.truenorthmedia.ie/>

FIGURE 4. MADRID PILOT PARTICIPANT



2.1.3.2. AARHUS

This video contains the following structure: 1) RESPOND and pilot presentation and 2) an interview to the pilot coordinator from ALBOA.

FIGURE 5. AURA COORDINATOR LISBET STRYHN RASMUSSEN TOGETHER WITH ALBOA CORDINATOR NIELS EILERSGAARD AT THE PILOT SITE



FIGURE 6. INTERVIEW WITH ALBOA PILOT COORDINATOR



2.1.3.3. ARAN

The video produced for the Aran pilot follows a similar structure as the ones described before it. It includes a brief general description of the RESPOND project and the Aran pilot, and then several participants are interviewed regarding their experience in the project, from hardware installation and mobile app usage to their learnings from the project regarding demand response and energy awareness.

FIGURE 7. ARAN PILOT COORDINATOR



FIGURE 8. ARAN PILOT PARTICIPANT



2.1.4. OTHER DISSEMINATION ACTIVITIES

During the period of the project, other dissemination activities have been carried out, with a special focus on social media distribution.

Along with the posts sharing on RESPOND Twitter, Facebook and LinkedIn accounts, DEX published any insightful news and events as well on its own social media platforms to boost RESPOND's visibility. TEK also shared publications, making sure to attract interest and prospects for the events they attended and organized around the project.

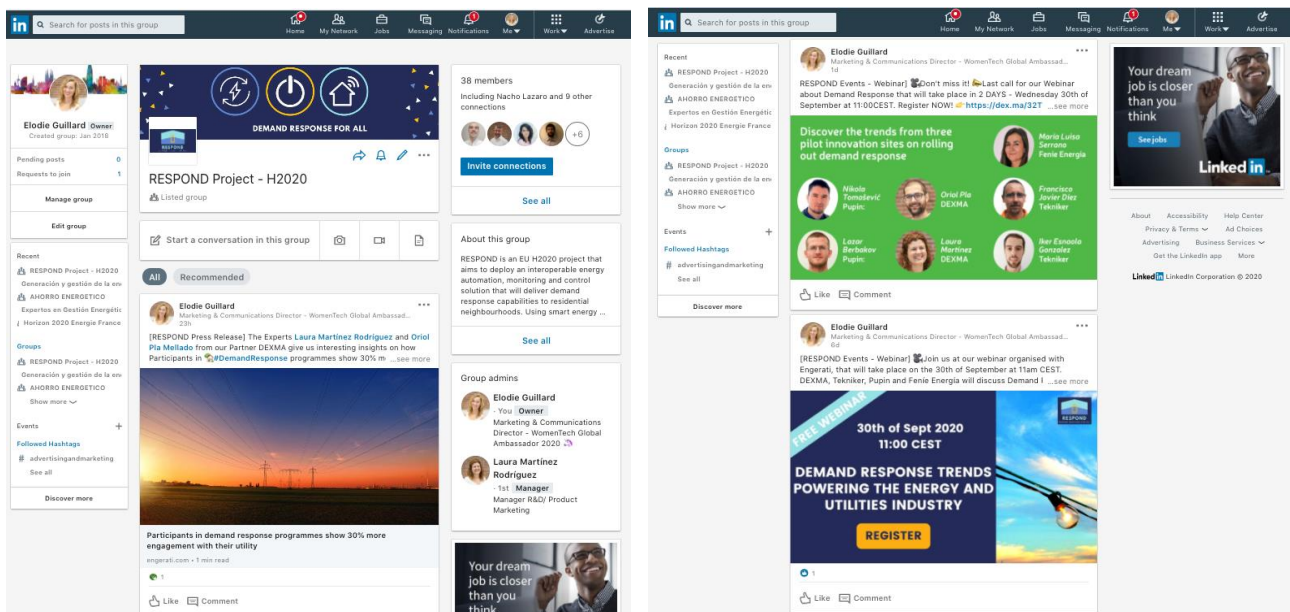
Beside social media dissemination, RESPOND's website has been maintained and improved (Wordpress): Branding homogenization, integration of technical improvements and SEO optimization.

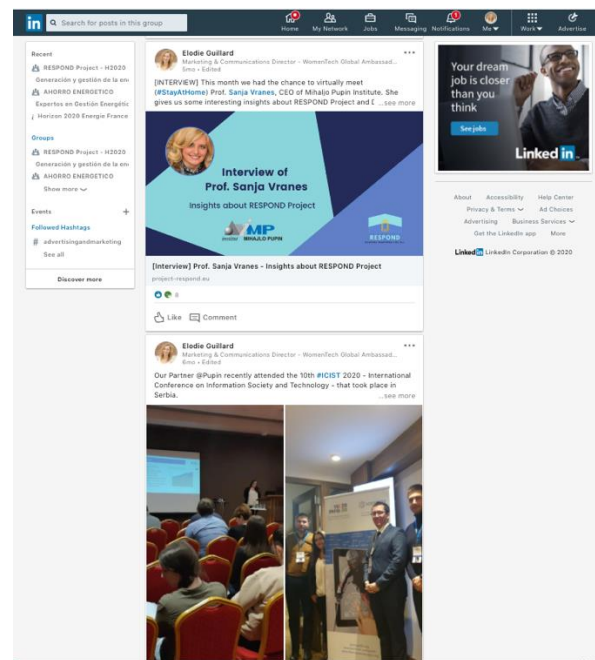
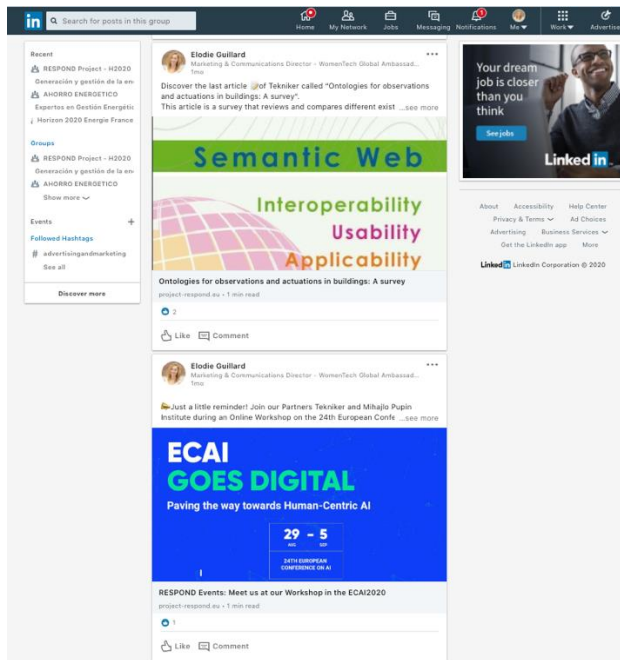
2.1.4.1. SOCIAL MEDIA DISTRIBUTION

All blog posts, events, product releases, or news have been shared during the entire project on the different social media accounts. We used LinkedIn, Twitter and Facebook to create brand awareness and gain visibility. You will find below some example of the publications we created to promote Engerati Webinar, Engerati Article and the Interview of Prof. Sanja Vranes amongst other news. To boost RESPOND visibility, posts were also published from the Partners' accounts directly, such as DEXMA (LinkedIn, Twitter), Tekniker or Energomonitor (Twitter). See below

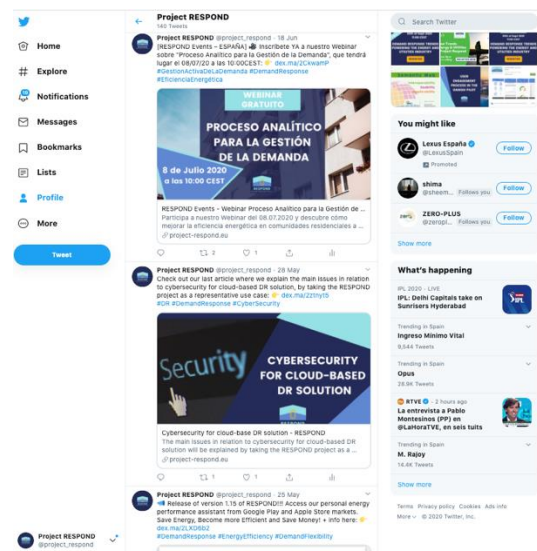
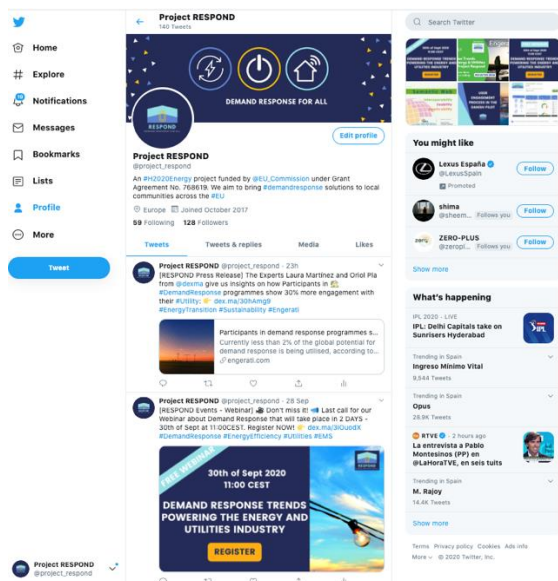
A. RESPOND's Accounts:

LinkedIn

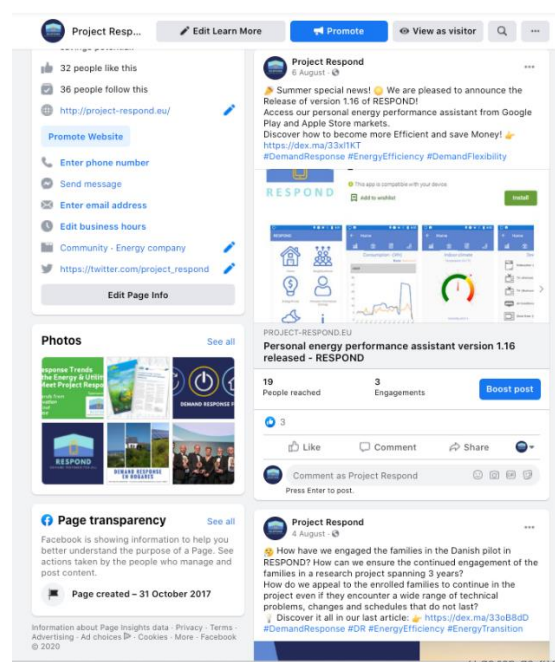
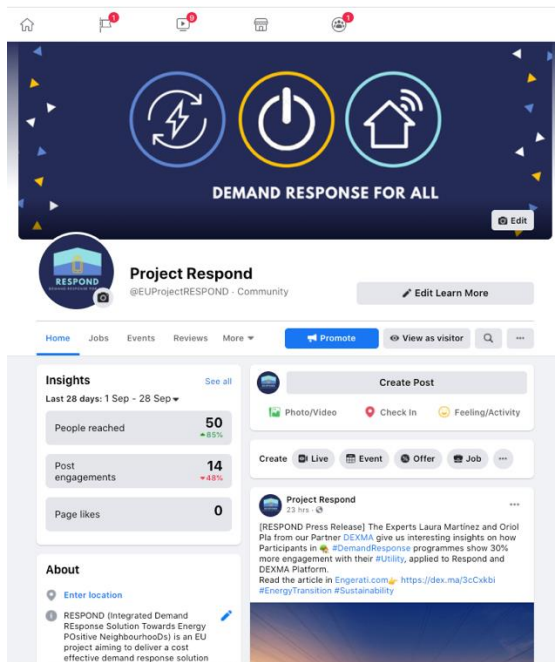




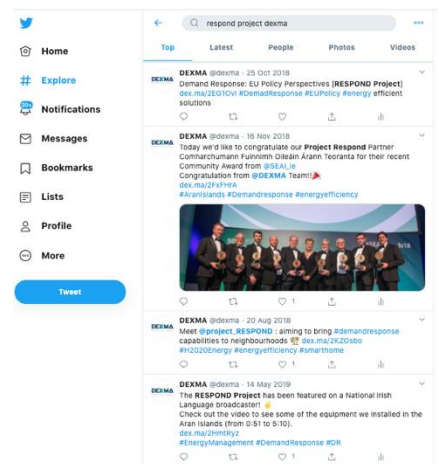
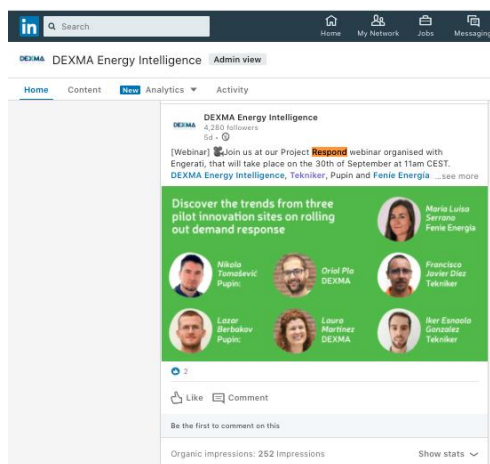
Twitter



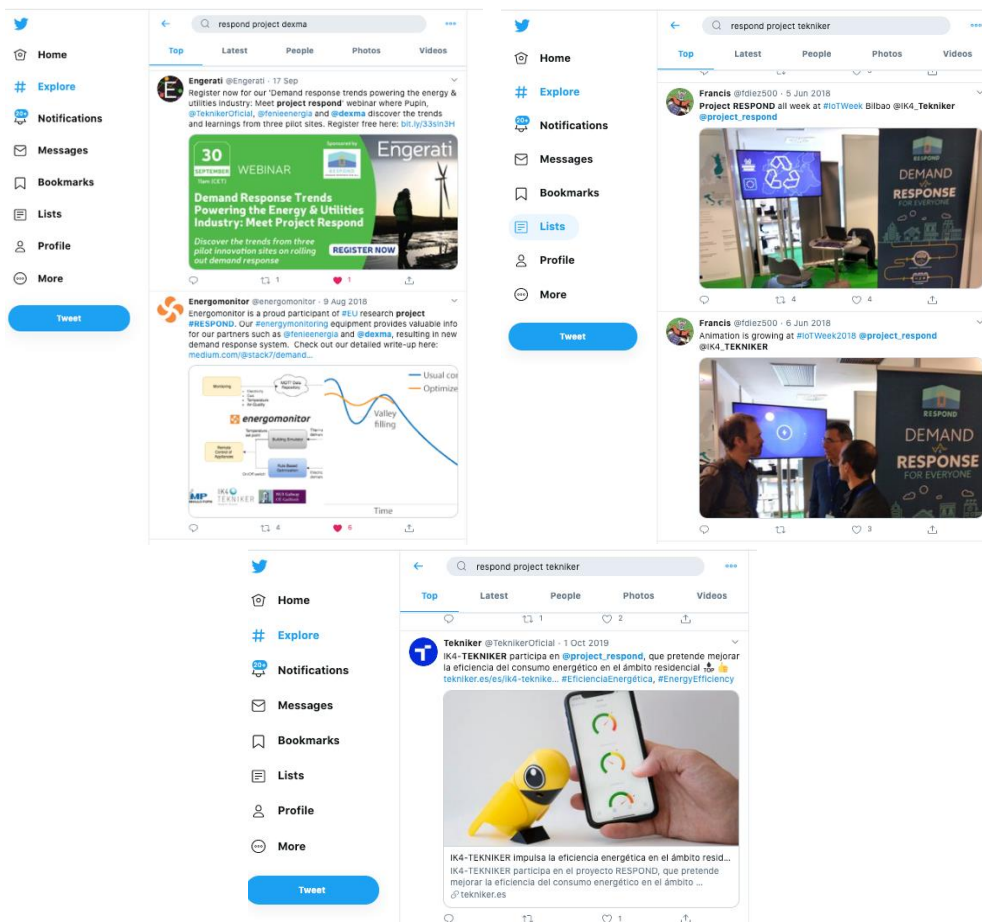
Facebook



B. DEXMA's Accounts:



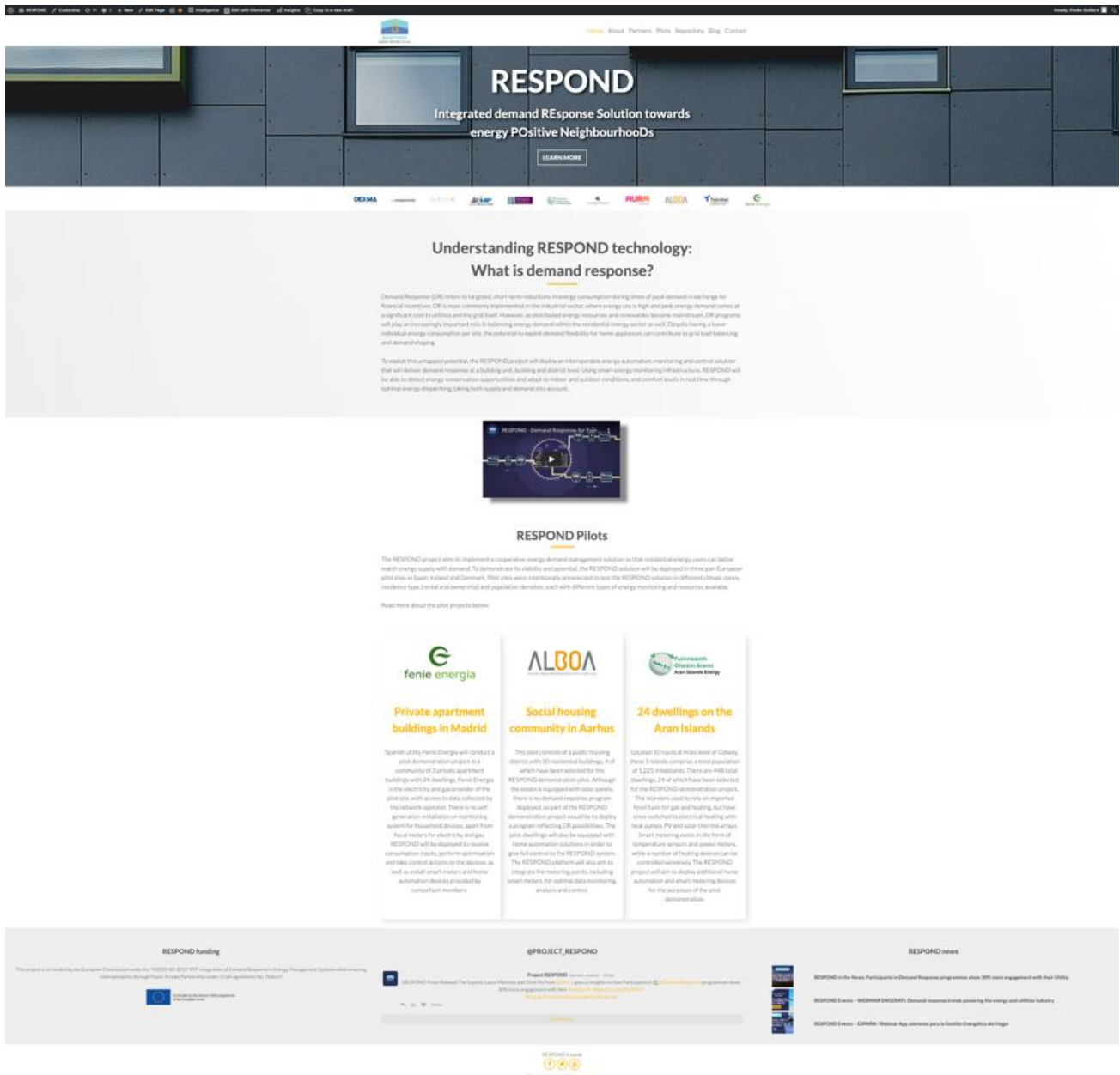
C. Partners' Accounts:



2.1.4.2. WEBSITE OPTIMISATION

The structure for the website had been updated in a new and more user-friendly version. The first version did not have any margins and was not responsive. Now the Website is user-friendly with proper margins.

A Video introduction was included in the Home and “About” pages (embedded): [Link Home](#) + [Link About](#)





The screenshot displays the RESPOND website. The header features the RESPOND logo and navigation links. The main banner reads "RESPOND Integrated demand RESPONSE Solution towards energy Positive Neighbourhoods" with a "LEARN MORE" button. Below this, a section titled "Understanding RESPOND technology: What is demand response?" explains the concept of Demand Response (DR) as a short-term reduction in energy consumption during peak demand. It highlights the RESPOND project's goal to develop an integrated energy management solution. A video player for "RESPOND - Demand Response for All" is shown. The "RESPOND Pilots" section lists three pilot projects:

- Private apartment buildings in Madrid:** A pilot demonstration project in a community of 3 private apartment buildings with 24 dwellings. Fenie Energy is the electricity and gas provider. The pilot site has access to data collected by the network operator. There is no self-generation. Installation monitoring system for household devices, apart from fixed meters for electricity and gas. RESPOND will be deployed to receive consumption inputs, perform optimisation and take control actions on the devices, as well as install smart meters and home automation devices provided by consortium members.
- Social housing community in Aarhus:** This pilot consists of a public housing district with 30 residential buildings, 4 of which have been selected for the RESPOND demonstration pilot. Although the estate is equipped with solar panels, there is no demand response program deployed, so part of the RESPOND demonstration project would be to deploy a program reflecting DR possibilities. The pilot dwellings will also be equipped with home automation solutions in order to give full control to the RESPOND system. The RESPOND platform will also aim to integrate the existing points, including smart meters, for optimal data monitoring, analysis and control.
- 24 dwellings on the Aran Islands:** Located 30 miles off the west of Cornwall, these 3 islands comprise a total population of 1,225 inhabitants. There are 448 total dwellings, 24 of which have been selected for the RESPOND demonstration project. The islands used to rely on imported fossil fuels for gas and heating, but have since switched to electrical heating with heat pumps, PV and solar thermal arrays. Smart metering exists in the form of temperature sensors and power meters, while a number of heating devices can be controlled remotely. The RESPOND project will aim to deploy additional home automation and smart metering devices for the purposes of the pilot demonstration.

The footer contains information about RESPOND funding (European Commission Horizon 2020), the @PROJECT_RESPOND Twitter handle, and a list of RESPOND news items.

The videos of the 3 pilots sites have been added to the “Pilots” page: [Link](#)



[Home](#) [About](#) [Partners](#) [Pilots](#) [Repository](#) [Blog](#) [Contact](#)




RESPOND Pilots

The RESPOND project aims to implement a cooperative energy demand management solution so that residential energy users can better match energy supply with demand. To demonstrate its viability and potential, the RESPOND solution will be deployed in three pan-European pilot sites in Spain, Ireland and Denmark. Pilot sites were intentionally preselected to test the RESPOND solution in different climate zones, residence type (rental and ownership) and population densities, each with different types of energy monitoring and resources available.

Read more about the pilot projects below:




Private apartment buildings in Madrid




Spanish utility Fenie Energia will conduct a pilot demonstration project in a community of 3 private apartment buildings with 24 dwellings.

Fenie Energia is the electricity and gas provider of the pilot site, with access to data collected by the network operator. There is no self-generation installation or monitoring system for household devices, apart from fiscal meters for electricity and gas.

RESPOND will be deployed to receive consumption inputs, perform optimisation and take control actions on the devices, as well as install smart meters and home automation devices provided by consortium members.




Social housing community in Aarhus




This pilot consists of a public housing district with 30 residential buildings, 4 of which have been selected for the RESPOND demonstration pilot. Although the estate is equipped with solar panels, there is no demand response program deployed, so part of the RESPOND demonstration project would be to deploy a program reflecting DR possibilities. The pilot dwellings will also be equipped with home automation solutions in order to give full control to the RESPOND system.

The RESPOND platform will also aim to integrate the metering points, including smart meters, for optimal data monitoring, analysis and control.



24 dwellings on the Aran Islands

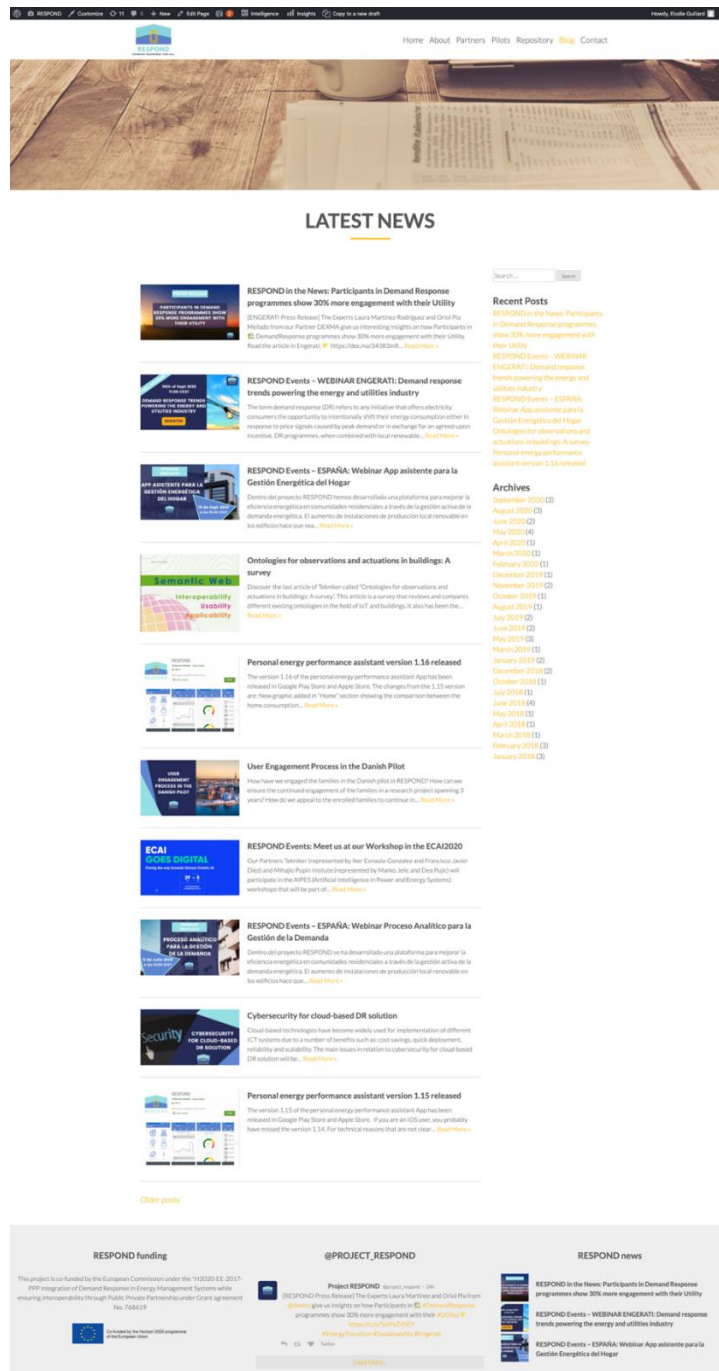


Located 30 nautical miles west of Galway, these 3 islands comprise a total population of 1,225 inhabitants. There are 448 total dwellings, 24 of which have been selected for the RESPOND demonstration project.

The islanders used to rely on imported fossil fuels for gas and heating, but have since switched to electrical heating with heat pumps, PV and solar thermal arrays. Smart metering exists in the form of temperature sensors and power meters, while a number of heating devices can be controlled wirelessly.

The RESPOND project will aim to deploy additional home automation and smart metering devices for the purposes of the pilot demonstration.

The “Blog” page has been improved with the homogenization of the color palette / branding of the feature images to improve visibility: [Link](#)



SEO Optimization: SEO analysis was made to improve RESPOND's ranking in search results. Keywords were defined and integrated in all pages of the website (SEO meta tags included).

0 + New View Post Intelligence Insights Copy to a new draft

Add some code to `<head>` .

Yoast SEO

[Need help?](#) ▾



Snippet Preview




Energy production forecasting as a driving concept for demand response

[project-respond.eu](#) › [energy-production-forecasting-as-a-driving-concept-for-de...](#)

Energy production forecasting as a driving concept for demand response: tendency of increasing the share of renewable energy production in the market.



 Edit snippet

 Readability analysis

 Focus keyphrase
Energy production forecasting

3. WEBINARS

It was planned to organize 5 different workshops in the second half of the project gathering relevant stakeholders from EU for best practice exchange and to disseminate the exploitation potential of RESPOND. Project results should add value to these venues while giving RESPOND project partners the opportunity to exchange the best practices and ideas.

COVID 19 influenced these workshops and alternatives were discussed with the involved partners in the consortium. It was decided to organize webinars for the local/national stakeholders instead. The objectives for the webinars are the same as for the workshops. One extra webinar at Engerati, as mentioned in Section 2, the webinar “Demand response trends powering the energy and utilities industry”, had been held.

Specific guidelines had been defined to assure the dissemination of the best practices and follow-up of the replication plan (defined in Task 6.4) to all relevant private and public organizations identified by the project partners over the course of the project.

3.1. GUIDELINES FOR WEBINARS

A specific guideline has been defined to assure the dissemination of the best practices and follow-up of the replication plan (defined in Task 6.4) to all relevant private and public organizations identified by the project partners over the course of the project.

The owner of the webinar fulfils a template for each webinar to make sure it reaches the objectives as defined in the proposal.

The objectives are:

- To share with different stakeholders the project objectives and results achieved.
- Business models applicable to the further exploitation of the results
- Define potential supporting measures to extend the use of the project results

The target attendants to these webinars are: Governmental energy agencies, Local authorities, Energy distributors, Household's, Cooperatives, Technological providers and The Orientation Board members will also have a significant role in these workshops.

Metrics such as number of visits, events and workshops, the number of people involved, and the impact on the community was adopted to the guideline

Table 3: Template/Guideline for webinars

Webinar/Title			
Responsible partner		Date for the webinar	
Proposed Topics			
Short description of content			
Stakeholders invited			
How to get in contact with the Stakeholders e.g. network, newsletter, email, phone			
Remember answering			
How do you cache the Objective 1			
How do you cache the Objective 2			
How do you cache the Objective 3			
Place for two-way communication			
Metrics number of participants			
Invite the Advisory Board member			
Short description of impact of the community			
Resumé of the outcome of the webinar			
Additional Information			

3.2. RESPOND WEBINARS

The webinars organized with local/nation stakeholders was 2 in Spain, led by TEK, 2 in Denmark, led by AAU, one in Ireland, led by NUIG and one at Engerati, led by DEX.

3.2.1. WEBINARS IN SPAIN

TEK held two webinars as showed below.

Table 4. Webinar no. 1 in Spain

Template/guideline for planning the webinar			
Webinar/Title	Proceso analítico para la gestión de la demanda Demand Response analytical process		
Responsible partner/contact person	TEK Francisco Javier Díez	Date for the webinar	08/07/2020
Proposed Topics	RESPOND analytical services		
Short description of content	Explanation of the added value services developed in RESPOND and how the control loop process supports Demand Response.		
Stakeholders invited	356 contacts including Spanish companies and public authorities from the infrastructures and energy sectors.		
How to recruit the Stakeholders e.g. network, newsletter, email, phone	email campaign, RESPOND web page, social networks		
Remember answering			
How do you fulfil Objective 1	The webinar will expose outcomes related to KERS: 1 RESPOND Solution 4 Integrative DER energy optimizer 5 District energy dispatch optimization 6 Energy demand forecaster 7 RES production models 8 Simulation of building energy parameters 10 Semantic information model		
How do you fulfil Objective 2	Explanation of the integration possibilities of developed services with third party energy services.		

How do you fulfil Objective 3	Offer to show results of the project in custom demonstration meetings.
Possibility for questions/two-way communication	Yes
Number of participants	21
Invite the Advisory Board member	No, because no member of advisory board is Spanish. Madrid neighbors were invited but no one assisted.
Short description of impact on the community	The attendees were industrial companies working on different aspects of Demand Response as ESCOs, RES equipment manufacturers, energy retailers, DSOs, software solutions providers and energy providers. The variety in the type of the companies interested shown that Demand Response topic applied to residential sector is an area with a wide ecosystem.
Resumé of the outcome of the webinar	The webinar and presentations followed the scheduled agenda. The assistants were interested in the outcomes of the project and specially in the accuracy of the models and prescriptions.
Additional Information	Showed in Annex I

Table 5. Webinar no. 2 in Spain

Template/guideline for planning the webinar			
Webinar/Title	Asistente para la gestión energética del hogar Personal Energy Performance Assistant		
Responsible partner/contact person	TEK Francisco Javier Díez	Date for the webinar	24/09/2020
Proposed Topics	Personal Energy Performance Assistant		
Short description of content	Expose the functionalities provided for the personal energy performance assistant thanks to the added value services deployed in the project.		
Stakeholders invited	356 contacts including Spanish companies and public authorities from the infrastructures and energy sectors.		
How to recruit the Stakeholders e.g. network, newsletter, email, phone	email campaign, RESPOND web page, social networks		

Remember answering	
How do you fulfil Objective 1	The webinar will expose outcomes related to KERS: 1 RESPOND Solution 2 Mobile App 3 User engagement approach
How do you fulfil Objective 2	Explanation of integration possibilities of developed services with third party energy services and fronted.
How do you fulfil Objective 3	Offer to show results of the project in custom demonstration meetings.
Possibility for questions/two-way communication	Yes
Number of participants	9
Invite the Advisory Board member	No, because no member of advisory board is Spanish. Madrid neighbors were invited but no one assisted.
Short description of impact on the community	Despite the stakeholders invited were the same than previous webinar the number of attendees was significantly lower. The webinar focused in the interaction with the final user and some of the stakeholders that assisted to the previous webinar as equipment manufacturers are not interested in this topic.
Resumé of the outcome of the webinar	The webinar and presentations followed the scheduled agenda. The assistants were aware of the challenge of user engagement in Demand Response in the residential sector. They are interested to access the final deliverable about experiences and lesson learnt to be taken in account for future research projects.
Additional Information	Showed in Annex II

3.2.2. WEBINARS IN DENMARK

AAU held two webinars as showed below.

Table 6: webinar no.1 in Denmark

Webinar/Title	Demand response solutions for district heating (language: Danish)		
Responsible partner	AAU	Date for the webinar	05/10/2020

Proposed Topics	<ul style="list-style-type: none"> Automated demand response solution for heating homes with flexible supply of district heating User engagement and experiences with demand response for heating Possibilities and challenges for upscaling – technical and user-related
Short description of content	The webinar presents results from the Aarhus pilot study applying DR of heating in individual dwellings in social housing. The aim of the webinar is to present lessons learned and discuss with relevant stakeholders within the research and district heating communities the applicability of such solutions for peak shaving district heating.
Stakeholders invited	<ul style="list-style-type: none"> Researchers within the field of heating, indoor environment and smart energy solutions for homes District heating companies Developers of smart thermostats and smart solutions Danish social housing organizations The Danish Energy Agency
How to get in contact with the Stakeholders e.g. network, newsletter, email, phone	Personal professional networks via email. It was decided to make personal invitations to a limited number of stakeholders in order to ensure space for discussion and participation of all participants.
Remember answering	
How do you fulfil Objective 1	The webinar will share RESPOND outcomes related to automated DR solutions for heating within the district heating and social housing context.
How do you fulfil Objective 2	The webinar will discuss the feasibility and the economical soundness of the studied DR solution in a wider context – including who might benefit from it and under which conditions.
How do you fulfil Objective 3	The webinar will be an occasion to strengthen and extent our professional networks, which will support further dissemination and use of project results.
Place for two-way communication	Yes
Metrics number of participants	Accepted invitations (by 25/09/2020): 16
Invite the Advisory Board member	Yes
Short description of impact of the community	N/A
Resumé of the outcome of the webinar	N/A
Additional Information	See Annex III (original invitation in Danish)

Table 7: Webinar no. 2 in Denmark

Webinar/Title	Webinar about local PV power generation and demand response (language: Danish)		
Responsible partner	AAU	Date for the webinar	06/10/2020
Proposed Topics	<ul style="list-style-type: none">• Trial with mobile app notifications (feedback) for optimizing self-sufficiency with local RE power within a social housing setting• Practical user-experiences and participation in time shifting electricity consumption• Possibilities and challenges for upscaling – technical and user-related		
Short description of content	The webinar presents results from the Aarhus pilot trial on time shifting (demand response) of electricity with the aim of optimizing self-sufficiency from local micro-generation (PV panels) in a social housing association. The aim is to present lessons learned and discuss with relevant stakeholders within research and social housing communities the applicability of such solutions. Furthermore, the webinar also includes a brief presentation by AAU colleagues on results from a recent project on self-sufficiency (prosumption) in occupier-owned homes with PV panels. The aim of this is to compare results from social housing associations (Aarhus) with home owners demand response practices to explore similarities and differences.		
Stakeholders invited	<ul style="list-style-type: none">• Researchers within the field of smart energy solutions for homes and energy system transition• Social housing associations in Denmark• Energy supply companies• The Danish Energy Agency		
How to get in contact with the Stakeholders e.g. network, newsletter, email, phone	Personal professional networks via email. It was decided to make personal invitations to a limited number of stakeholders in order to ensure space for discussion and participation of all participants.		
Remember answering			
How do you fulfil Objective 1	The webinar will share RESPOND outcomes related to the trial with optimizing self-sufficiency (auto-consumption) at the Aarhus pilot site (social housing context).		
How do you fulfil Objective 2	The webinar will discuss the feasibility and the economical soundness of the trialed DR solution in a wider context – including who might benefit from it and under which conditions.		

How do you fulfil Objective 3	The webinar will be an occasion to strengthen and extent our professional networks, which will support further dissemination and use of project results.
Place for two-way communication	Yes
Metrics number of participants	Accepted invitations (by 25/09/2020): 6
Invite the Advisory Board member	Yes
Short description of impact of the community	N/A
Resumé of the outcome of the webinar	N/A
Additional Information	See Annex IV (original invitation in Danish)

3.2.3. WEBINARS IN IRELAND

NUIG held one webinar as showed below.

Table 8: Webinar in Ireland

Template/guideline for planning the webinar			
Webinar/Title	DR programs for building energy efficiency and user's comfort		
Responsible partner/contact person	NUIG – Marcus Keane / Paulo Lissa	Date for the webinar	October 2020
Proposed Topics	DR programs for building energy efficiency and user's comfort		
Short description of content	The aim of this webinar is to show the benefits of DR programs in terms of energy savings and also user's comfort. Moreover, it will be presented some of RESPOND M&V methodology and results.		
Stakeholders invited	ASHRAE Ireland (Professional association of Heating, Refrigerating and Air-Conditioning Engineers). IBPSA (International Building Performance Simulation Association). CIBSE Ireland (Chartered Institution of Building Services Engineers)		
How to recruit the Stakeholders e.g. network, newsletter, email, phone	Email, phone, network.		
Remember answering			
How do you fulfil Objective 1			
How do you fulfil Objective 2			

How do you fulfil Objective 3	
Possibility for questions/two-way communication	
Number of participants	
Invite the Advisory Board member	
Short description of impact on the community	
Resumé of the outcome of the webinar	
Additional Information	

3.2.4. ENGERATI WEBINAR

As mentioned in Section 2, the webinar ‘Demand response trends powering the energy and utilities industry: Meet Project Respond’ has been planned for September 30th and speakers from DEXMA, Fenie Energía, Tekniker (TEK) Research and Technology Centre and Institut Mihajlo Pupin (PUP) will participate in it. The following table gives an overview of the webinar.

Table 9. webinar at Engerati

Webinar/Title	Demand response trends powering the energy and utilities industry: Meet Project Respond		
Responsible partner	DEXMA	Date for the webinar	30/09/2020
Proposed Topics	Demand response trends powering the energy and utilities industry RESPOND technical challenges Covid-19 challenges for DR		
Short description of content	The aim of this webinar is to present RESPOND and its technical challenges, the demand response trends for utilities and the rest of the energy sector, how DEXMA’s platform enhances customer engagement for utilities and the challenges that Covid-19 poses for demand response.		
Stakeholders invited	The webinar is hosted by Engerati, which is one of the most important websites in the energy sector. Many RESPOND potential stakeholders (utilities, aggregators, ESCOs, energy		

	communities, etc) access Engerati daily to know more about energy sector trends.
How to get in contact with the Stakeholders e.g. network, newsletter, email, phone	Engerati provides a list of the registered assistants which contains their opted-in email address.
How do you fulfil Objective 1	RESPOND results are presented during the webinar, together with the technical challenges faced.
How do you fulfil Objective 2	The potential of DR solutions (including RESPOND) for utilities will be explained during the webinar.
How do you fulfil Objective 3	Not covered in this webinar.
Place for two-way communication	Q&A at the end of the webinar.
Metrics number of participants	About 80 registered participants up to September 25th.
Invite the Advisory Board member	There are no invitations to the webinar, assistants must register at: https://www.engerati.com/transmission-distribution/demand-response-trends-powering-the-energy-and-utilities-industry-meet-project-respond/
Short description of impact of the community	Webinar to be done on September 30th.

4. CONCLUSIONS

This Deliverable is part of the project *Integrated Demand Response Solution Towards Energy Positive Neighbourhoods* (RESPOND) and it reports the activities from Task 7.4 *Best practice exchanges and methodology workshops*.

This Deliverable aimed to show outreach to all potential stakeholders starting from the residential/social housing associations to energy providers and demand aggregators, while raising the awareness about the best practices in RESPOND project.

The Deliverable was performed in close collaboration with Task 7.1 as dissemination activities of best practices will be conducted through traditional channels (e.g. web pages, brochures, newsletters, conferences, workshops, e-seminars, etc.).

Several actions have been planned during the final months of the project. The Dissemination and Communication Plan contains an overview of activities already carried out as well as future dissemination activities.

In this deliverable, several activities that disseminate best practices and results of RESPOND project have been described. These activities include mainly online events (Covid-19 pandemic shifted the face-to-face workshops to online webinars) like webinars or the publication of articles and videos, which have been targeted at potential stakeholders that may be interested in the implementation of the RESPOND solution.

It was planned to organize 5 different workshops in the second half of the project gathering relevant stakeholders from EU for best practice exchange and to disseminate the exploitation potential of RESPOND. Project results should add value to these venues while giving RESPOND project partners the opportunity to exchange the best practices and ideas.

COVID 19 have influenced the workshops and the alternatives were discussed with the involved partners in the consortium, it was decided to organize webinars for the local/national stakeholders instead. The objectives for the webinars were the same as for the workshops. The webinars held by NUIG and AAU had to be held after end of the project (early October 2020) for practical reasons. One extra webinar had been held September 30th in Enercati. From one side, the smart energy network Enercati⁷ was contacted in order to know which were the possibilities they offered regarding the dissemination of RESPOND. Enercati offered several options, and it was decided that an article would be published on Enercati's webpage and they would also host a webinar.

The content of webinars carried out by project partners has been described in this deliverable, as well as the videos for each of the pilot sites, even though they have not been finished yet at the time of writing this deliverable. The videos, which are 3-5 minutes long on average, include a small presentation of the project and the pilot. These videos will be disseminated through RESPOND social media channels.

⁷ Enercati: <https://www.engerati.com/>

REFERENCES

RESPOND DOCUMENTS

D.6.4 RESPOND replication plan

D.7.1 Dissemination and communication plan

ANNEX I: SPANISH WEBINAR, DEMAND RESPONSE ANALYTICAL PROCESS

Platform used: Microsoft Teams

Banner



WEBINAR

Proceso analítico para la gestión de la demanda

| 08.07.2020 |

Dentro del proyecto RESPOND se ha desarrollado una plataforma para mejorar la eficiencia energética en comunidades residenciales a través de la gestión activa de la demanda energética. El aumento de instalaciones de producción local renovable en los edificios hace que sea un aspecto muy importante para la optimización del consumo energético.

En este webinar te invitamos a conocer los servicios de valor añadido desarrollados dentro del proyecto para obtener recomendaciones de consumo basadas en hábitos de comportamiento de los ocupantes, en predicciones meteorológicas y los precios de la energía. Todo ello combinado con las últimas tecnologías en IoT junto con la analítica prescriptiva e interacción con el usuario.

AGENDA

- 10:00h** Presentación general de Tekniker
- 10:05h** Presentación del proyecto RESPOND
- 10:20h** Descripción detallada de los servicios de valor añadido
- 10:45h** Ruegos y preguntas

INSCRÍBETE AQUÍ



RESPOND | Integrated demand REsponse Solution towards energy Positive Neighbourhoods |

This project is co-funded by the European Commission under the "H2020-EE-2017-PPP Integration of Demand Response in Energy Management Systems while ensuring interoperability through Public Private Partnership under Grant agreement No. 768619

#GrowthMakers



TEKNIKER ▪ C/ Iñaki Goenaga, 5 ▪ 20600 EIBAR (Gipuzkoa) ▪ Tel. (34) 943206744

[Actualice aquí sus datos y el estado de su suscripción](#)

Si no desea seguir recibiendo nuestros correos puede [darse de baja](#)

- [AVISO LEGAL](#) -

Attendee list:

Name

Company

Sergio Alvarez

Insteler

Manuel Aizpurua

Luis Fernandez

Javier Elias

Jose Aguado

Monica Fernandez

Jose Angel Gimeno

Sergio Muiña

Amaia Eguia

David Perez

Gorka Naveran

Aitor Dominguez

Lola Alacreu

Ignacio Benitez

Fausto Sainz

Carlos Lopez

Agustina Yara

Iker Esnaola

Ignacio Lazaro

Aitor Alzaga

Susana Lopez

UPV/EHU

REPSOL

SATEL

Universidad de Malaga

EDP

Fenie Energia

Weidmueller

Gestamp

Creara

Giroa-Veolia

IDAE

ETRA

Ampere Energy

Commet Technology

Fenie Energia

Fenie Energia

Tekniker

Tekniker

Tekniker

Tekniker

Pictures



WEBINAR GRATUITO

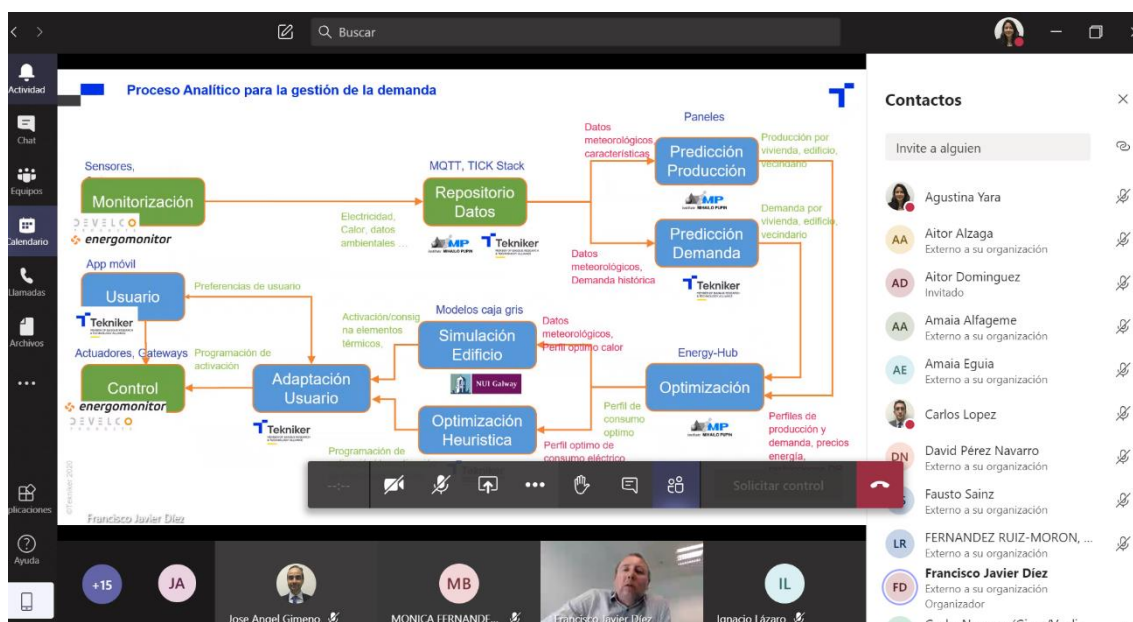
PROCESO ANALÍTICO PARA LA GESTIÓN DE LA DEMANDA

8 de Julio 2020 a las 10:00 CEST

Francisco Javier Díez

CONTACTOS

- Invite a alguien
- Carlos Lopez
- FS Fausto Sainz Externo a su organización
- LR FERNANDEZ RUIZ-MORON, ... Externo a su organización
- FD **Francisco Javier Díez** Externo a su organización Organizador
- IL **Ignacio Lázaro** Externo a su organización
- IS Insteler S.L. Externo a su organización
- JE Javier Elías Invitado
- JA José Aguado Externo a su organización
- MB MONICA FERNANDEZ BLAN... Externo a su organización
- Otros invitados (1)
- Jose Angel Gimeno Sin respuesta



Proceso Analítico para la gestión de la demanda

Sensores, Monitorización (energomonitor, DEVELCO)

App móvil, Usuario (Tecniker)

Control (energomonitor, DEVELCO)

Repositorio Datos (MQTT, TICK Stack)

Modelos caja gris (Simulación Edificio, Optimización Heurística)

Panels (Predicción Producción, Predicción Demanda)

Optimización (Energy-Hub)

Flujos de datos:

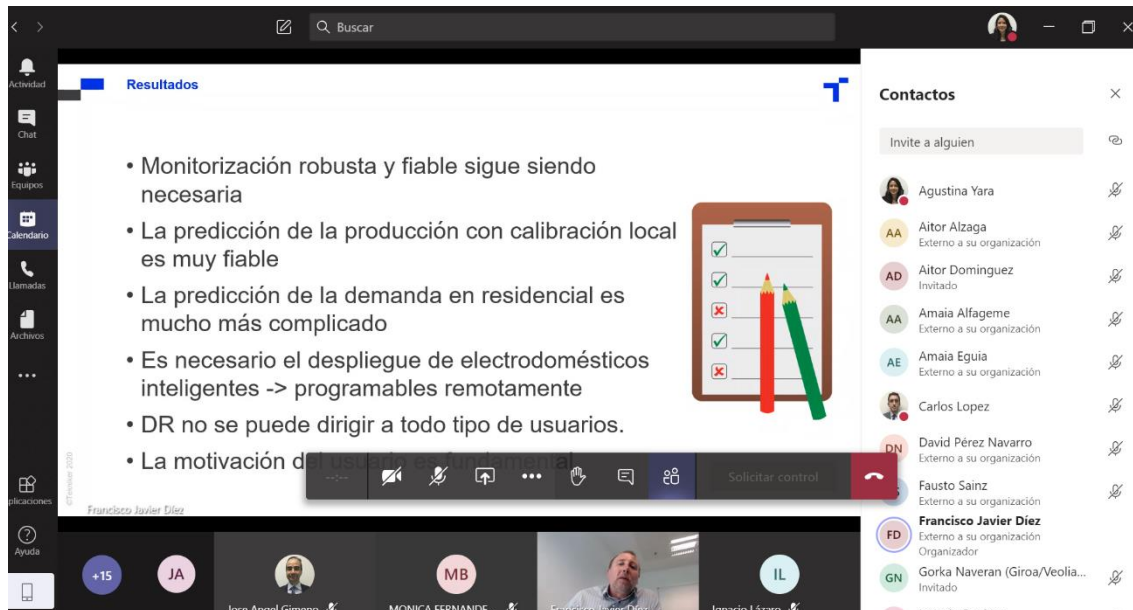
- Datos meteorológicos, características
- Electricidad, Calor (datos ambientales...)
- Datos meteorológicos, Demanda histórica
- Datos meteorológicos, Perfil optimo calor
- Perfil de consumo optimo
- Perfil optimo de consumo eléctrico
- Perfiles de producción y demanda, precios energía
- Perfiles de producción y demanda, precios energía

Acciones: Adaptación Usuario, Programación de activación, Programación de

Botones: Solicitar control

CONTACTOS

- Invite a alguien
- Agustina Yara
- AA Aitor Alzaga Externo a su organización
- AD Aitor Dominguez Invitado
- AA Amaia Alfageme Externo a su organización
- AE Amaia Eguia Externo a su organización
- Carlos Lopez
- DN David Pérez Navarro Externo a su organización
- Fausto Sainz Externo a su organización
- LR FERNANDEZ RUIZ-MORON, ... Externo a su organización
- FD **Francisco Javier Díez** Externo a su organización Organizador
- Carlos Navarro (García)



Resultados

- Monitorización robusta y fiable sigue siendo necesaria
- La predicción de la producción con calibración local es muy fiable
- La predicción de la demanda en residencial es mucho más complicado
- Es necesario el despliegue de electrodomésticos inteligentes -> programables remotamente
- DR no se puede dirigir a todo tipo de usuarios.
- La motivación de los usuarios es un desafío

Contactos

Invite a alguien

Nombre	Estado
Agustina Yara	Invitado
Aitor Alzaga	Externo a su organización
Aitor Dominguez	Invitado
Amaia Alfageme	Externo a su organización
Amaia Eguia	Externo a su organización
Carlos Lopez	Invitado
David Pérez Navarro	Externo a su organización
Fausto Sainz	Externo a su organización
Francisco Javier Díez	Externo a su organización
Gorka Naveran (Giroa/Veolia...)	Invitado

Participants: +15, JA, Jose Angel Gimeno, MONICA FERNANDE..., Francisco Javier Díez, Ignacio Lázaro, IL

ANNEX II: SPANISH WEBINAR, PERSONAL ENERGY PERFORMANCE ASSISTANT

Platform used: Microsoft Teams

Banner

Si no ve correctamente este mensaje, pinche [AQUÍ](#)



WEBINAR

App asistente para la gestión energética del hogar

| **16.09.2020** | ⌚ 16:00h (45 min.)

Dentro del proyecto RESPOND hemos desarrollado una plataforma para mejorar la eficiencia energética en comunidades residenciales a través de la gestión activa de la demanda energética. El aumento de instalaciones de producción local renovable en los edificios hace que sea un aspecto muy importante para la optimización del consumo energético.

Explicaremos el funcionamiento de la App móvil desarrollada para ayudar a los residentes a mejorar la eficiencia energética aprovechando la gestión activa de la demanda. Esta está basada en los servicios de valor añadido desarrollados dentro del proyecto para obtener recomendaciones de consumo para el día siguiente, utilizando los consumos históricos así

como las predicciones meteorológicas y los precios de la energía, todo ello combinando las últimas tecnologías en IoT junto con la analítica prescriptiva y el diseño para mejorar la experiencia del usuario.

INSCRÍBETE AQUÍ

AGENDA

- 16:00h Asistente para la gestión energética del hogar
- 16:30h Ruegos y preguntas (15 min.)



RESPOND | Integrated demand REsponse Solution towards energy Positive Neighbourhoods |

This project is co-funded by the European Commission under the "H2020-EE-2017-PPP Integration of Demand Response in Energy Management Systems while ensuring interoperability through Public Private Partnership under Grant agreement No. 768619

#GrowthMakers



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- [AVISO LEGAL](#) -

Attendee list:

Name

Company

Benito Mediero

Luis Temes

Iker Garay

Fausto Sainz

Jorge Miranda

Unai Iraola

Unai Mendia

Maria Luisa Serrano

Agustina Yara

Iker Esnaola

Ignacio Lazaro

Amaya Alfageme

Giroa-Veolia

Cosmo Consult

Airlan

Commet Technology

Veolia

Orona

Administración de fincas Unai Mendia

Fenie Energia

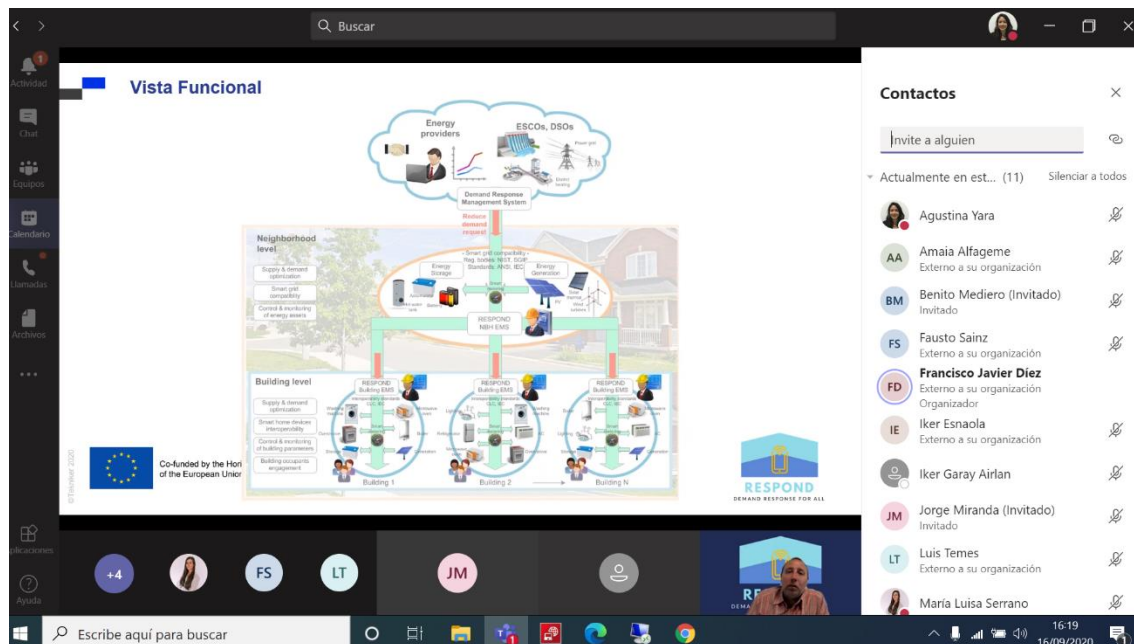
Fenie Energia

Tekniker


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Pictures



Comparativa Consumo



- La comparativa de consumo se ha incluido para motivar al usuario
- Compara su porcentaje de consumo en las horas en las que se ha producido mayor producción de energía renovable con la media del consumo de todos los vecinos
- También compara con el vecino cuyo porcentaje es más alto para fomentar la competición

Francisco Javier Díez

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ANNEX III: DANISH WEBINAR INVITATION, DR DISTRICT HEATING



DEPARTMENT OF THE BUILT ENVIRONMENT
AALBORG UNIVERSITY

Invitation til webinar om fleksibelt fjernvarmeforbrug

Fjernvarmeselskaber ønsker at flytte en del af varmekonsumet i boliger væk fra spidsbelastningen i morgentimerne (peak-shaving), hvor mange beboere bader samtidig. En måde at gøre det på kunne være at installere udstyr i hjemmene, som kan kontrollere opvarmningen af boligerne, så opvarmningen flyttes væk fra spidsbelastningen.

Denne mulighed har vi på BUILD, Aalborg Universitet, i samarbejde med fjernvarmeselskabet AffaldVarme Aarhus, undersøgt i den danske del af et internationalt projekt kaldet RESPOND. Det er foregået i en dialog med beboere i boligforeningen ALBOA i Aarhus. Der blev installeret nye termostater, som blev fjernstyret til kortvarigt at lukke for varmen i morgentimerne. Beboernes oplevelser af temperaturforholdene og erfaringer med de nye tekniske løsninger blev indsamlet via spørgeskema og interviews.

På webinar vil vi præsentere resultaterne fra undersøgelsen. Derefter er der afsat god tid til at diskutere resultaterne fra projektet og inddrage deltagernes egne erfaringer fra andre lignende projekter. Kan vi svare på hvordan fremtidens løsning til peak-shaving for fjernvarme skal se ud?

Tid og tilmelding

Webinaret afholdes **mandag den 5. oktober kl. 14-15.30**. Tilmelding finder sted ved at sende en mail til Henrik N. Knudsen på hkn@build.aau.dk. Cirka en uge før webinar modtager alle tilmeldte nærmere instruktioner pr. mail om, hvordan mødes tilgås via internettet (link og platform).

Program

- 14.00 Velkommen og kort intro til RESPOND-projektet (Henrik N. Knudsen, Seniorforsker, BUILD, AAU)
- 14.05 Fjernvarmeselskabers behov og spidsbelastning (Martin Heine Kristensen, Forretningsudvikler, AffaldVarme Aarhus)
- 14.10 Beboernes ønsker til funktionalitet af teknisk løsning (Toke Haunstrup Christensen, Seniorforsker, BUILD, AAU)
- 14.20 Teknisk løsning, forsøgsdesign og beboernes erfaringer (Henrik)
- 14.40 Flyttet energi og kommercielt perspektiv (Martin)
- 14.55 Åben diskussion af resultaterne og fremtidens løsninger til peak-shaving
- 15.30 Tak for i dag

Vi glæder os til at se dig til webinar.

Venlig hilsen,

Henrik N. Knudsen & Toke Haunstrup Christensen
Institut for Byggeri, By og Miljø (BUILD), AAU

Webinaret afholdes som del af projektet RESPOND (<http://project-respond.eu/>), der er støttet af Horizon 2020 og har titlen: Integrated demand Response Solution towards energy POSitive Neighbourhoods.

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DATE 07.09.2020

ANNEX IV: DANISH WEBINAR INVITATION, DR AND AUTO-CONSUMPTION OF LOCAL PV POWER



DEPARTMENT OF THE BUILT ENVIRONMENT
AALBORG UNIVERSITY

Invitation til webinar om lokal elproduktion og fleksibelt forbrug

Med omstillingen til vedvarende energi er behovet for et "fleksibelt" energiforbrug kommet i fokus. Det skyldes behovet for at skabe balance på elnettet mellem forbruget og produktionen af el fra især solceller og vindmøller. Samtidig har mange parcellhusejere fået installeret solceller inden for de senere år. Det får ifølge flere studier ejerne til at ændre deres daglige vaner, så de kan flytte deres elforbrug i tid og på den måde optimere udnyttelsen af egen solcellestrom.

Hidtil har der været et særligt fokus på boligejere med solceller på taget. I et aktuelt EU-projekt (RESPOND) har BUILD, Aalborg Universitet, imidlertid undersøgt mulighederne for at skabe tilsvarende ændringer i beboernes vaner i en almen boligorganisation med eget solcelleanlæg (ALBOA i Aarhus). På webinaret vil vi præsentere resultaterne fra RESPOND-projektet med særligt fokus på spørgsmålene: Ændrer beboerne praksis og flytter forbrug (fx tøjvask og opvask) i forhold til boligforeningens produktion af strøm? Hvilke tanker gør de sig herom? Hvilken betydning kan en app med oplysninger om den aktuelle solcelleproduktion have for beboernes praksis?

På webinaret præsenteres også resultater fra to andre projekter på BUILD: Dels et nyligt afsluttet projekt, som har undersøgt, hvordan egen solcelleproduktion påvirker hverdagslivet hos boligejere. Dels et nyt projekt om fleksibel afregning og forbrug. Oplæggene vil bl.a. danne baggrund for en sammenligning mht. forskelle og ligheder mellem erfaringer fra boligejere og almene lejere.

På webinaret afsættes der god tid til at diskutere resultaterne fra projekterne samt de videre perspektiver i forhold til betydning af fleksible hverdagspraksisser (fleksibelt elforbrug) og lokal elproduktion i fremtidens energisystem.

Tid og tilmelding

Webinarer afholdes **tirsdag den 6. oktober kl. 14-15.30**. Tilmelding finder sted ved at sende en mail til Toke Haunstrup Christensen på thc@build.aau.dk. Da der er begrænset deltagerantal, er det en god ide at tilmelde sig hurtigt. Cirka en uge før webinarer modtager alle tilmeldte nærmere instruktioner pr. mail om, hvordan mødes tilgås via internettet (link og platform).

Program

- 14.00 Velkommen og kort intro til RESPOND-projektet (Toke Haunstrup Christensen, seniorforsker ved BUILD)
- 14.05 Lokal elproduktion og fleksibelt forbrug i en almen boligorganisation. Foreløbige resultater af et forsøg i Aarhus (Toke)
- 14.30 Hvordan påvirker solceller hverdagspraksisser og elforbrug? (Anders Rhiger Hansen, seniorforsker ved BUILD)
- 14.55 Åben diskussion af resultaterne og hvad vi kan lære af dem
- 15.30 Tak for i dag

Vi glæder os til at se dig til webinarer.

Venlig hilsen,

Toke Haunstrup Christensen & Henrik N. Knudsen
Institut for Byggeri, By og Miljø (BUILD)

Webinarer afholdes som del af projektet RESPOND (<http://project-respond.eu/>), der er støttet af Horizon 2020 og har titlen: Integrated demand REsponse Solution towards energy POSitive Neighbourhoods.

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DATE 03.09.2020

ANNEX V: NUIG WEBINAR INVITATION, DEMAND RESPONSE PROGRAMS FOR BUILDING ENERGY EFFICIENCY AND USER'S COMFORT



NUIG Student Branch of ASHRAE “Demand response programs for building energy efficiency and user's comfort”

Date: Thursday, 8th October 2020

Time: 1:00 PM - 2:00 PM BST



Marcus M. Keane

Director of the IRUSE group and lecturer at the Department of Civil Engineering, NUI Galway



Maria Luisa Serrano

Innovation and Regulation engineer at the Spanish utility Fenie Energía



Toke Haunstrup Christensen

Senior researcher at the Department of the Built Environment at Aalborg University in Denmark

