

Internal Circular

for networking, joint actions and cooperation activities



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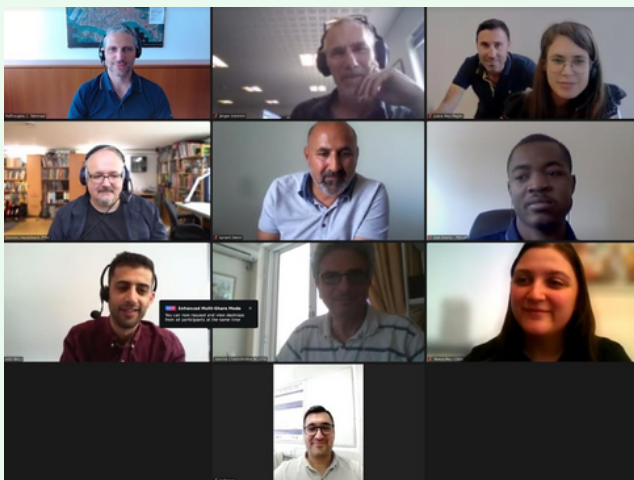
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This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement n°957852

REVIEW MEETING OF VPP4ISLANDS RP2

VPP4Islands Report Period 2 Review Meeting took place on the 27th June 2023 in Brussels. Project partners attended either face to face and online sessions. Our Project Officer was also present at the meeting to discuss WPs' progress.



Meeting agenda :

27 June 2023	
9H00	Welcome and coffee
9H15	Overview of the project (AMU) (10 min presentation + 5 min questions) Scientific Coordinator – Seifeddine Ben Elghali
9H30	WP2 Island energy services requirements and concept design (ALWA) (5 min presentation + 5 min questions)
9H40	WP3 Digitalisation & Building of island energy community (IDEA) (5 min presentation + 5 min questions)
9H50	WP4 Smart Functionalities for Energy Management & decarbonisation (AMU) (5 min presentation + 5 min questions)
10H00	WP5 Secure communication & smart contract (BC2050) (5 min presentation + 5 min questions)
10H10	Coffee break
10H30	WP6 VPP4Islands platform development (SCHN) (30 min presentation + 15 min questions)
11H15	WP7 VPP4Islands solution testing and Validation (UEDAS) (20 min presentation + 15 min questions)
11H50	WP8 Dissemination, communication and exploitation of results (RDIUP) (20 min presentation + 15 min questions)
12H30	Lunch break
14H00	WP1 Coordination and project management (AMU) (10 min presentation + 5 min questions)
14H15	Feedback from the Project Officer
15H30	End of meeting



BRIDGE ACTIVITIES

VPP4ISLANDS representatives for the working groups :

- DATA MANAGEMENT: Dominic Heutelbeck (FTK), Ioannis Dontas (BC2050)
- REGULATIONS: Mehmet Koç (UEDAS), Stefano Bianchi (ALWA)
- CUSTOMER ENGAGEMENT: Oral Kaya (TROYA), Habib Nasser (RDIUP)

Oral KAYA from TROYA attended the BRIDGE 2023 General Assembly on 28 and 29th of March 2023 via zoom. And at 3th of March 2023 also attended the Regulation WG for the 4th knowledge.

Dr. Ioannis Dontas from BLOCKCHAIN2050 BV contributed BRIDGE/EUBOF initiatives in preparing a thematic report on "Blockchain Applications in the Energy Sector". A section of the report is dedicated to an overview of the Horizon 2020 projects that apply blockchain technology in the energy sector. BLOCKCHAIN2050 BV provided input about blockchain-based solutions for the energy sector.

Víctor Fabregat Tena from REGENERA attended the BRIDGE event 'ETIP SNET & BRIDGE Key Results and Steps Forward' in June 2023. Victor stated 'During the event, Robert Goodchild from CINEA in his intervention gave the example of the VPP4Islands project. This is important considering that Bridge has more than 150 Horizon projects.'





Energy Communities Repository published a digital toolbox guidance for energy communities, providing practical examples of digital solutions for energy communities in different scopes of application (e.g. demand response, energy monitoring).

Energy Communities Repository also carried out a survey to map energy communities across the EU and Western Balkans. The aim is to add the energy community to the map which will help to the work of decision-makers both at the EU level and in the Member States, in their efforts to support the development of energy communities.

TROYA have completed the survey on behalf of our project.

What is the Energy Communities Repository?

The Energy Communities Repository is an initiative on behalf of the European Commission to assist local actors (including citizens, local authorities, and businesses) with setting up and advancing clean energy projects driven by energy communities in urban areas across Europe. The initiative contributes to a just transition to climate neutrality that allows citizens to take ownership of energy consumption and production.

[For more information click here >>>](#)



SOLAR PV CONSUMPTION CALCULATOR

The Photovoltaic Austria Federal Association has developed a calculator to help you determine your individual and optimally designed system solution both for single-family households and for your share of a community system in just a few steps. The calculator is based on data related to Vienna (Austria) and surroundings.

[For more information and access to the tool please click here >>>](#)

CO₂-FOOTPRINT CALCULATOR

This CO₂-footprint calculator lets you calculate your carbon footprint, and provides indications on actions you could take to reduce your footprint.



[For more information and access to the tool please click here >>>](#)



ENERGY COMMUNITY PROCUREMENT GUIDE FOR MUNICIPALITIES

Based on existing experience and research, this guide provides different options in which municipalities may be able to adapt their procurement processes to support the participation of renewable energy communities in the procurement process.

[For more information and access to the tool please click here >>>](#)



DIGITAL TOOLS FOR ENERGY COMMUNITIES

The European Commission seeks to enhance and promote the sharing of knowledge on existing digital tools, with programs tailored to the needs of different demographic groups.

With this in mind, the Energy Communities Repository has compiled a guide with practical examples of digital solutions for energy communities in different scopes of application, including:

- internal management
- peer-to-peer trading
- energy forecasting
- energy monitoring
- demand-response
- clean mobility
- home renovation services

This guide does not aim to be exhaustive, nor does it represent a qualitative evaluation or endorsement of the solutions presented. It merely aims at illustrating different categories of digital solutions which respond to some of the needs and challenges expressed by energy communities to the Energy Communities Repository.

[For more information and access to the tool please click here >>>](#)

JOINT ACTIONS WITH THE GIFT PROJECT



GIFT is an innovative project that aims to decarbonise the energy mix of European islands. European islands have to abide by the law of their countries that push toward a greener energy mix to comply with the European and international agreements. GIFT is willing to develop innovative systems to allow islands to integrate vast amount of renewables.

RDIUP and **TROYA** attended their "EU islands Decarbonisation – Replication Board" online event and made presentations about policy recommendations and energy communities.

[For more information and presentations about the event
and presentations please click here >>>](#)

[For more information about GIFT project
please click here >>>](#)

ALGOWATT AT RADIOILLA

Diego Burlando from **ALGOWATT** attended a podcast session at Ràdioilla Formentera and explained how VPP4Islands project and devices can facilitate the green energy transition.

Program introduced VPP4Island project to its listeners and stating that it aims to facilitate the integration of renewable systems, accelerate the transition to smart green energy and help the islands of the European Union to exploit their energy efficiency potential.

Diego from ALGOWATT talk about the devices, which can help families and companies in Formentera about their electricity expenses, stating the installation is very fast and free.

[To listen to the podcast please click here >>>](#)



VÍCTOR FABREGAT FROM REGENERA PRESENTED OUR PROJECT AT IB3 NOTÍCIAS

Victor Fabregat from **REGENERA** presented VPP4Islands project in the television news IB3 Notícies.

You can watch the program on YouTube :

<https://www.youtube.com/watch?v=uBr01ST7K5k>



INSTALLATION STARTED AT GOKCEADA

VPP4IBoxes from Schneider Electric arrived at Gokceada.

Diego Burlando from ALGOWATT and Canan from INAVITAS went to Gokceada to help UEDAS with the integrations. **UEDAS, ALGOWATT** and **INAVITAS** working hand in hand to integrate the devices.

Started to physical assembly of 3 VPPBOXES to be establish at Gökçe Wind Power Plant, Çahan Wind Power Plant and İmbroz Solar PowerPlant. All difficulties during insallation time solved with Uedaş team and Diego. Total 3 VPPBOXES installation prosses were completed in 1 day. After the physical installation finished, software configuration works were started. Antennas were established facing the base station directly. Necessary configurations and formullas were added to the software. After the final checks, the work was completed when we were sure that everything was running smoothly.



JOINT ACTIONS WITH ETN GLOBAL

RDIUP from VPP4islands collaborated with ETN Global and other European projects to present a white paper.

ETN Global is a non-profit membership association bringing together the entire value chain of the gas turbine technology. Through cooperative efforts and by initiating common activities and projects, ETN encourages and facilitates information exchange and cooperation to accelerate research, development, demonstration, and deployment of safe, secure, affordable and dispatchable carbon-neutral energy solutions by 2030.

For more information about ETN Global:

<https://etn.global/>

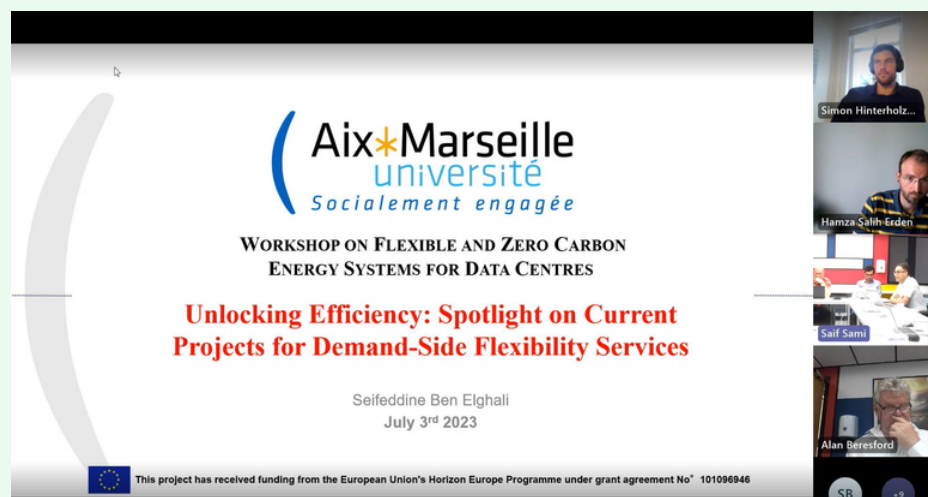
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CARDIFF UNIVERSITY ORGANISED A WORKSHOP

CARDIFF UNIVERSITY organised a workshop on flexible and zero carbon energy systems for data centers. It aims to build collaboration between industry and academic world to enhance research ideas for further opportunities.

Seifeddine BEN ELGHALI from Aix-Marseille University has given plenary presentation on the VPP4ISLANDS and FlexCHES projects, highlighting the potential of using VPP and the VESS paradigm in the context of data centers.



TOWARDS CREATING ENERGY COMMUNITIES @ BOZCAADA

TROYA, UEDAS and BOZI organized an information event for the residents of Bozcaada on the 09th June 2023 at Bozcaada Public Education Centre.

The aim of the event is to inform the islanders about VPP4Islands project and establishing energy communities in the island.



DAVETLİSİNİZ

Avrupa Birliği Ufuk 2020 Programı

Kendi Kendine Yetebilen Adalar Projesi

Proje Bilgilendirme ve Adalıların Katılımı Toplantısı

09.06.2023
14:00

Bozcaada Halk Eğitim Merkezi

VPP4ISLANDS TROYA ÇEVRE UEDAŞ BOZCAADA BELEDİYESİ

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 957852.

The main topics of the meeting are as follows:

- What is a living lab?
- Why we organize and what are the examples in the world.
- Project presentation. Project contributions and technological innovations.
- What are energy communities and why are they important?
- How will the process work and how can we build a sustainable community?
- What is needed for the energy transition of Bozcaada?
- Group works & discussions



UPCOMING EVENTS

Replication Advisory Board – Islands Energy Forum

Online webinar on “Concrete actions to promote social acceptance”

When? Thursday, 14 September at 15.00 (CET)

Presentations from

- Petros Markopoulos (DAFNI)
- Matthew Lupton (Community Energy Scotland)
- ROBINSON H2020 Consortium

Panel chaired by

- Nicola Cera (ETN Global)



ROBINSON Replication Advisory Board – Islands Energy Forum 2023

Online

14 September 15h00-17h00 (CET)

https://etn.global/?post_type=events&p=36431



Virtual Island Summit 2023

25 Sept - 1 Oct 2023

<https://islandinnovation.co/events/virtual-island-summit/>



IEA Critical Minerals and Clean Energy Summit

28 Sep 2023

Conference – Paris, France

[For more info click here >>>](#)



Climate and Energy Summit: Building a Grand Coalition to Keep 1.5 °C Within Reach

02 Oct 2023

Conference – Madrid, Spain

<https://www.iea.org/events/climate-and-energy-summit-building-a-grand-coalition-to-keep-1-5-c-within-reach>

UPCOMING EVENTS

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Co-funded by the
European Union

The Business Booster is EIT InnoEnergy's annual two-day international networking event that showcases 150+ sustainable energy technologies under one roof.

18-19 October, Amsterdam

<https://tbb.innoenergy.com/>



Solar & Storage Live 2023

17 October 2023 - 19 October 2023

Birmingham

<https://www.terrapinn.com/exhibition/solar-storage-live/>



Joint closing conference of the Energy Communities Repository and Rural Energy Community Advisory Hub

Friday 10 November 2023

[For more information click here >>>](#)



Enlit Europe 2023

28-20 November 2023

Paris

<https://www.enlit-europe.com/welcome>



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UPCOMING EVENTS

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IRENA Innovation Week 2023

25 - 28 September 2023

Bonn, Germany

<https://www.irena.org/Events/2023/September/IRENA-Innovation-Week-2023>



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Prepared by **TROYA**
info@troyacevre.org
www.troyacevre.org