

Public Newsletter#8

May 2024

News, Events and Networking activities

The aim of this public newsletter is to broadcast our events and boost our networking, joint actions and cooperation activities. It provides key information about events and news related to our VPP4ISLANDS project.

VPP4ISLANDS activities till May 2024

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VPP4ISLANDS D&C actions

“VPP4Islands Workshop in Grado”



The workshop took place March 20-22, 2024, in Grado, marking a significant milestone for the VPP4ISLANDS project funded by Horizon 2020. This event provided an opportunity for the city of Grado to shine as a center of innovation and collaboration in the field of sustainable energy. As the curtains close on this inspiring event, we are filled with gratitude and enthusiasm for the road ahead.

Contributions from:

[Bornholms Varme](#), sharing their success in renewable heating systems and seamless integration of solar panels and wind turbines.

[Brunel University London](#), dazzling with cutting-edge multiparametric optimization algorithms.

[RDIUP](#), presenting the innovative Smart Planning Tool designed to empower energy communities.

[CSIC](#), bringing their valuable research and insights.


[Grado](#), showcasing its solar panel projects focused on renewable community energy.

[AlgoWatt](#) and [Aix-Marseille Université](#), providing essential technical guidance throughout the project.


Discussions were lively and enriching, allowing participants to share their experiences and perspectives on challenges and opportunities in the field of sustainable energy.

The workshop in Grado was a resounding success, bringing together leading experts and committed stakeholders in the transition towards a cleaner and more sustainable energy future. The Municipality of Grado expresses its deep gratitude to each speaker, participant, and organizer for their contribution to this enriching experience. We look forward to putting into practice the ideas and strategies shared to propel Grado and other similar communities towards a more sustainable, efficient, and integrated energy future. Participating partners: [Aziz S. Seifeddine BEN ELGHALI](#) [Stefano Bianchi](#) [Jörgen Edström](#) [Habib NASSER](#) [Dah Diarra](#) [Gloria Catto](#) [Francesca Visintin](#) [Elisa Tomasinsig](#) [Michele Camerotto](#) [RafDouglas C. Tommasi C.](#)




[#Torben Jørgensen](#) shared insights about [#Bornholms'](#) innovative approach to utilizing surplus electricity from renewables in their district heating system. With a robust district heating infrastructure, they plan to integrate more photovoltaic panels and wind turbines to balance the electricity supply efficiently.  [link](#) [interview](#) [Torben Jørgensen:](#) <https://www.youtube.com/watch?v=qDzobfQglvg>



[#RafDouglas](#) emphasized [Grado's](#) pivotal role in driving global sustainability, highlighting its commitment to [Renewable Energy Communities](#) and promising projects aimed at enhancing sustainability and empowering its community.  [link](#) [interview](#) [RafDouglas C. Tommasi:](#) https://www.youtube.com/watch?v=eLmOGqd_8VU



[#Pere Colet](#), a partner in the project, shares insights from [#CISC](#), the [#Spanish National Research Council](#). Working in the environmental sector in [#Mallorca](#), he delves into the crucial topic of frequency stability in power grids, especially amidst high [#renewable energy](#) penetration scenarios.  [link](#) [interview](#) [Pere Colet:](#) https://www.youtube.com/watch?v=IBIcX0_2hno



[Habib NASSER](#) is the CEO of [RDIUP](#), where they are developing the [Smart Planning Tool](#) and [customized business models](#) to promote island decarbonization in VPP4Islands Project.  [link](#) [interview](#) [Habib NASSER:](#) <https://www.youtube.com/watch?v=FjOY8L38pfc>



[Aziz S.](#) is Delighted to have represented [Brunel University London](#) and discussed their research on energy community planning optimization and hydrogen storage technologies📺.

📺 link interview Aziz Shwareb:
<https://www.youtube.com/watch?v=IX26IZmkRhU>



Törge**n** Edström proudly mentions that [#Bornholms](#) already has about **30 megawatts** of solar panels on the island, demonstrating their commitment to clean and sustainable energies.

📺 link interview Törge**n** Edström:
<https://www.youtube.com/watch?v=gxdPK1cIdJ4>



Dr. [#Gianni_Favaretto](#), Head of the [#Technical](#) and [#Environmental](#) [#Department](#) of the [Comune Di Grado](#). We delved into the European project [#H2020 VPP4ISLANDS](#), exploring tools for [#energy](#) production and autonomy in delimited areas.

📺 link interview Dr. Gianni Favaretto:
https://www.youtube.com/watch?v=UKP_FHnUy08&t=56s

"VPP4Islands: International Workshop Flexibility in Energy Systems"



RDIUP represented the VPP4ISLANDS project at the international online workshop on “Flexibility in energy systems: trends and perspectives”, where we explored the important role of adaptability in the EU sustainable energy transition, which has taken place on May 8, 2024. This event was organized by AEIT, AEE and AlgoWatt, featuring a series of innovative projects and expert speakers.

Among the participating projects is our H2020 project VPP4ISLANDS, which aims to “enable the replication of green energy on islands through virtual power plants”. RDIUP representative, Habib NASSER presented the latest progress and perspectives of our project.

This workshop provides a unique opportunity to learn from leading experts in the field of energy transition, digital twins, renewable energy communities, virtual power plants and energy storage systems.

Special thanks to AEIT for organizing this collaborative workshop alongside projects like FLEXCHESS, ThumbsUp and Masterpiece.

Webinar and Event

“Round table on Energy Communities in Grado”



🌐 Our partner Grado, represented by Mr. Raf Douglas Tommassi, had the privilege of participating in a round table on energy communities, organized by the Autonomous Region Friuli Venezia Giulia and the municipality of Grado. ✨

💡 The event served as a catalyst for innovative ideas, paving the way for a better collective

future. With over 250 participants, the event aimed to discuss and actively drive change. 🌱

🚀 At VPP4Islands, we are moving from passive listeners to proactive energy transformers. The spotlight shone on the VPP4ISLANDS project and our partner Grado during the discussions, highlighting the significant contributions we are making towards sustainable energy solutions.

🔋 We are excited to continue driving innovation and collaboration in the field of energy communities, working together to build a brighter, more sustainable future for all.



VPP4ISLANDS Pilot news 🚀



“VPPiBox: UEDAS installed Battery Energy Storage System.”

Our partner, **UEDAŞ**, has reached a significant milestone by successfully installing and activating a **100 kWh Battery Energy Storage System**. This installation marks a crucial advancement in enhancing energy storage capabilities and promoting grid stability.

Additionally, we are pleased to announce the reception of the latest **VPPiBox**, which will soon be transported to **Gökçeada** for installation. With the completion of all VPPiBox installations, the system will be ready to undergo rigorous testing and validation, paving the way for a smarter and more sustainable energy future for the islands.

We extend our sincere appreciation to all our **VPP4ISLANDS** partners for their invaluable contributions to the success of this project. Together, we are leading initiatives in battery energy storage and smart technology to drive cleaner energy solutions in island communities.



"VPP4IBox in Formentera"

We are thrilled to announce yet another significant achievement by the **VPP4ISLANDS** project! **Formentera**, the leading island in our initiative, is now setting sail on its journey towards decarbonization, marking a monumental step forward in sustainable energy transition.

In a collaborative effort, our partners from [Brunel University London](#), [algoWatt](#), and [Schneider Electric](#) have successfully installed cutting-edge photovoltaic systems, hydrogen fuel cells, and **VPP4IBox** units within the infrastructure of the [Consell Insular de Formentera](#) council building. This installation not only showcases technological advancement but also demonstrates a collective commitment to environmental stewardship and energy sustainability.

Furthermore, the completion of foundation preparations for hydrogen storage and tanks, spanning across both the ground floor and the roof, marks a crucial milestone in our endeavour. The meticulous attention to detail in ensuring all essential connections, including water supply points, underscores our dedication to seamless integration and operational efficiency.

As we edge closer to our goal, it's imperative to acknowledge the collaborative spirit and unwavering dedication of all involved parties. Their collective efforts have propelled us closer to our vision of a cleaner, greener future for Formentera and beyond.





BRIDGE

“RDIUP is at the forefront of EU energy progress”



We are excited to share the latest highlights from the 2nd Investors Dialogue on Energy Plenary Meeting, held on January 23, 2024.

The event commenced with an inspiring keynote speech by EU Energy Commissioner, Kadri Simson, emphasizing the EU's dedication to decarbonization and its ambitious goals for a sustainable future. The VPP4Islands partnership

aligns perfectly with these principles and goals.

During the policy session that followed, the panel shed light on the milestones achieved in the EU's energy transition and provided forecasts for the journey ahead in our ever-evolving global landscape. Discussions focused on the crucial roles of ESCOs, cities, and energy communities in driving decarbonization efforts.

The panel explored achievements in the EU's energy transition and discussed the crucial roles of ESCOs, cities, and energy communities in decarbonization - an alignment that seamlessly resonates with VPP4ISLANDS.

Upcoming VPP4ISLANDS events



European Sustainable Energy Week 2024

RDIUP will represent **VPP4islands**.

11-13 June 2024,
Brussels and online

https://sustainable-energy-week.ec.europa.eu/index_en



The smarter E Europe 2024

19 June 2024 - 21 June 2024, Messe München.

<https://www.thesmartere.de/home>



International Energy Workshop (IEW) 2024

Bonn, Germany, on 26-28 June,

<https://www.irena.org/Events/2024/Jun/International-Energy-Workshop-IEW-2024>



Solar & Storage Live Birmingham

24 September 2024 - 26 September 2024

Solar & Storage Live Zurich

17 September 2024 - 18 September 2024

Solar & Storage Live Barcelona

13 November 2024 - 14 November 2024

<https://www.energyglobal.com/events/>

**Stay tuned for more exciting news and milestones on our
VPP4ISLANDS journey!**

We have more to share in the coming months!

Contact

**If you have any questions, comments, or would like to learn more
about our progress, feel free to reach out!**

We value your support and look forward to sharing more with you!

Subscribe for further information: www.vpp4islands.eu and **Follow us:**

