



FEDECOM project Webinar's special issue - EM-Power Europe 2024 - 9th April 2024

European Energy Communities: Sector Coupling, Flexibility, and Operational Perspectives

FEDECOM project is pleased to invite you to attend the next webinar that we are co-organizing as part of the upcoming EM-Power Europe (<https://www.em-power.eu/home>) 2024 event, part of The smarter E Europe (<https://www.thesmartere.de/home>). This webinar will take place on Tuesday, April 9th, 2024 - 11:00am–12:15pm CEST (Webinar Language will be in English).

We will talk about:

“European Energy Communities: Sector Coupling, Flexibility, and Operational Perspectives”

FEDECOM **EMPOWER EUROPE**

European Energy Communities: Sector Coupling, Flexibility, and Operational Perspectives

Tuesday, April 9th, 2024 - 11:00am–12:15pm CEST - Free Webinar in English

Opening speech
Stéphane POUFFARY
ENERGIES 2050

Moderator
Zia Lennard
R2M France

Closing speech
Wrap up
Dr. Annette Steingrube
Fraunhofer-ISE

Panelists

- Federico Giani
AEM
- Ione LOPEZ
Iberdrola
- Dr. Ana Trbovich
Grid-Singularity
- Dr. Iván Pasarín
Giroa Veolia
- Dr. Vito Mario Fico
Hive Power

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EMPOWER EUROPE THE INTERNATIONAL EXHIBITION FOR ENERGY MANAGEMENT AND INTEGRATED ENERGY SOLUTIONS MESSE MÜNCHEN **JUNE 19-21 2024**

FEDECOM - FEDERated “system of systems” approach for flexible and interoperable energy COMMUNITIES

This project has received funding from the European Union's Horizon Europe programme under Grant Agreement No. 101075660

Join us for a great discussion on energy communities, sector coupling, flexibility and interoperability challenges and perspectives.

You can access the webinar presentation via <https://www.em-power.eu/webinars/european-energy-communities?ref=m5f53a70436053c166b3950f6-s602e6615ca5e0d2f7c144ff3-t1708595735-c18003127>

And the registration link via: <https://register.gotowebinar.com/register/3702062684681432669>

This webinar is part of a series of webinars organised on behalf of EM-Power Europe (<https://www.em-power.eu/home>) which is part of "The smarter E Europe" (<https://www.thesmartere.de/home>) the largest Energy Event in Europe drawing 2,469 exhibitors from across the globe and more than 106,000 international visitors from 166 countries in Munich this year in June. EM-Power Europe 2024 will be focusing on "Empowering Grids and Prosumers" and takes place in Munich, 19-21 June 2024 (exhibition), 18-19 June (conference). FEDECOM has been invited to lead and co-organise with Fraunhofer ISE this Webinar.



During the webinar participants can submit their questions to get them answered by the experts in the live Q&A. In addition, both the recording and the speakers' presentations will be made available on The smarter E Digital (<https://www.thesmartere.com/home>) platform after the webinar and the FEDECOM website (<https://fedecom-project.eu/>).

Webinar description

Energy communities, through which citizens can jointly own, democratically control, and self-consume local energy, are increasingly emerging. There is a clear shift toward a more decentralised, renewable-based energy production system to build a new, more inclusive energy system in which fair access to energy is guaranteed.

However, successfully transitioning energy communities' encounters obstacles. How to integrate new technologies and foster greater energy flexibility to minimize energy consumption and enhance the resilience of our energy grid? And how to ensure that these transformations are financially viable?

This webinar will address the following topics, encompassing but not limited to:

- Maximizing renewable energy integration for European energy communities.
- User-centric solutions for enhancing energy efficiency.
- Addressing regulatory, administrative, and financial challenges.
- Best practices for overcoming technical challenges in grid integration.
- Strategies to engage and empower domestic consumers in adopting energy-flexible behaviours.
- Ensuring secure and transparent sharing of information among stakeholders.
- Case studies and examples of energy community initiatives emphasizing the benefits of localized energy solutions.

The FEDECOM project (EU Horizon Europe program, <https://fedecom-project.eu/>) will be highlighted as a key reference during the webinar. The emphasis will be on its innovative approaches to optimize energy systems and promote sustainability across three pivotal pilots in Spain, Switzerland, and the Benelux region.

Our discussion themes will be:

- How can European energy communities effectively overcome the challenges associated with the integration of renewable energy, considering issues of intermittency, infrastructure limitations, and the need to balance supply and demand fluctuations?
- What strategies can be implemented to encourage user-centric solutions for enhancing energy efficiency, addressing issues such as resistance to behavioural change, technology adoption, and measuring the impact of user behaviour on energy efficiency?
- What key steps and policies are needed to navigate and address the complex regulatory, administrative, and financial challenges hindering the progress of European energy communities, including regulatory frameworks, administrative burdens, and limited financial incentives?
- How can European energy communities best navigate technical challenges in grid integration, including the compatibility of diverse technologies and the integration of decentralized sources, while simultaneously engaging and empowering domestic consumers in adopting energy-flexible behaviours?

Join FEDECOM's experts

Find our panel:

Stéphane Pouffary - ENERGIES 2050 (<https://energies2050.org/>) – Opening speech

Zia Lennard - R2M France (<https://www.r2msolution.com/fr/>) - Moderator

Federico Giani – AEM (<https://aemsa.ch/it>)

Ione Lopez – Iberdrola (<https://www.iberdrola.com/>)

Ana Trbovich - Grid Singularity (<https://gridsingularity.com/>)

Vito Mario Fico - Hive Power (<https://www.hivepower.tech/>)

Iván Pasarín - Giroa-Veolia (<https://www.veolia.com/en>)

Annette Steingrube - Fraunhofer ISE (<https://www.ise.fraunhofer.de/>) – Closing speech – Wrap up

Giroa-Veolia, Fraunhofer ISE, ENERGIES 2050, R2M France, AEM, Iberdrola, Grid Singularity and Hive Power are all FEDECOM consortium members.

Target audiences

Grid operators (TSOs, DSOs), energy service companies (ESCOs), technology providers (of renewable energy sources and storage units, power-to-X assets, control and management tools, etc.), energy communities, municipalities, research institutes.

To learn more about FEDECOM project and to stay in touch

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FEDECOM focuses on the implementation of integrated local energy systems through sector coupling and cross-energy vector integration. FEDECOM will provide a scalable and adaptable cloud-based platform consisting of analysis, modelling, and optimisation services for the planning, monitoring and control of integrated local energy systems. Our partnership revolves around three large scale project pilots in Spain, Switzerland and Benelux region, involving all relevant stakeholders in the design, implementation and evaluation of FEDECOM solution: service providers, grid operators and final consumers.

Stay in touch

For more information and to explore cooperation with FEDECOM, do not hesitate to contact us.

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