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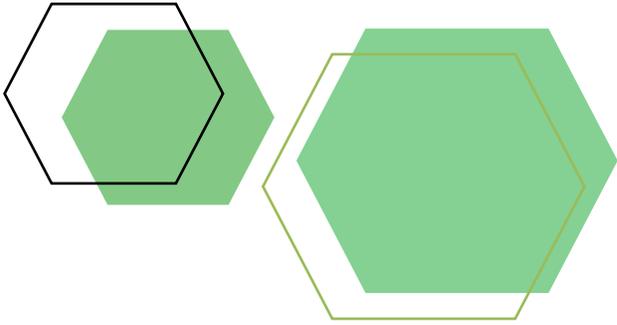
Cluster affair news & updates

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Industry insights & trends

THE INDUSTRY DRIVEN CLUSTER FOR LOW CARBON, GREEN ENERGY SOLUTIONS

THE NEW NEWSLETTER, TO CATCH UP WITH ALL INFORMATION REGARDING THE BOTTOM-UP COMMUNITY FOR LOW CARBON ENERGY TECHNOLOGIES.



CLUSTER ROLE

According to European Cluster observatory data “Economic activities that are located in clusters account for about 40% of European jobs and 55% of European wages.”

It is because clusters channel the market to the innovative ideas that come from the SMEs, academia etc. Clusters are important focal point for the relevant public-private dialog.

However a strong cluster can unleash its potential as long as supported by the public authorities and policy makers.

NEWS

The Call 14, took place in Istanbul in September and was hosted by Paycore. Revision of existing projects as well as discussion of new project outlines and ideas were highlighted.

New trends and cross-cutting themes were decided to be incorporated on a larger scale in the long-term strategy. **Artificial Intelligence** and digitization, urbanization, smart mobility, smart grids, demand-side management are some of the main ones.

Energy is more about **technology** rather than resources. Such ideas shake up the conventional energy chain and reveal to what degree the energy sector needs transformation.

Eurogia Info Day event took place in Istanbul in November and was hosted by EPIAS. Aligned parties moved forward by involving a plethora of committed and diverse stakeholders. More projects are expected as a result. Moreover, the announcement of **joint initiative** with CELTIC-Next cluster was announced for begging of the next year.

Eurogia is expected to participate in a **Joint Call on Artificial Intelligence** close to other Eureka clusters in the upcoming months. This excited initiative represents a potential metamorphosis for the sake of growth and positive impact.





INSIGHTS & TRENDS

Combining AI with RE (and storage) can unleash the full capacity of green energy sources. This provides confidence to the energy provider and consumer, which is crucial in reaching large deployment of alternative energy generation.

Artificial Intelligence (AI) is gaining importance in the energy sector. Moreover, it offers ways to implement climate **adaptation** and **mitigation** responses.

In terms of climate adaptation, AI might lead to energy security by offering quick climate impact response in case of climate emergencies. A major way of reforming the energy market lays in the ability to unlock its value through proper control, management and allocation with the help of smart and dynamic software systems.

Intelligent systems might also contribute to a more fair and transparent cost of climate adaptation. This is especially important taking into account the rigidity of current energy grid, where AI can serve as a tool of integrating the volatile supply of renewables, including the prosumers' input and ensure an inclusive energy transition.

In terms of climate mitigation, AI helps understand such complex phenomenon as human behavior and choices in reaching energy efficiency. Involving people by giving them an insight of their energy use can lead to big energy savings. By reaching less energy intensive activities, we also avoid emission release.

AI can be applied in energy at the generation stage, transmission, consumption, storage and used for weather or price predictability. This means it can play a key role throughout the entire value chain.

The potential of synergy between these two industries is very promising, yet the integration of Artificial Intelligence in the energy sector is at its incipient stage.

That is why Eurogia2020 is exploring the fusion between energy and virtual information by participating in a joint call on this matter. The purpose is to spark innovative ideas, connect interested parties and contribute to energy transformation by applying the AI tool.

NEXT CALL & PO DAYS

The next Call (15) deadline for submissions is **9th of December** 2019.

The Technical Committee members will meet in Paris premises and evaluate the projects on **7th of January** 2020.

You can submit your project on eurogia.com or directly by sending it via e-mail to contact@eurogia.com



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