

ENERGY TRANSITION

The role of local energy communities
and the models of local energy ownership



GREECE

ENERGY COMMUNITIES AND CONGREGATE PROJECT DEVELOPMENTS

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initialising energy balance towards zero

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LEGAL FRAMEWORK

Complying to the official recognition of **'Energy Communities'** as specific types of community energy initiatives in the recasts of the Renewable Energy Directive and of the Electricity Market Directive, **Greece has already adopted measures and policies on community ownership.**

Energy Communities are recognised by Greek jurisdiction **as tools of energy transition**, through which **social and solidarity economy in the energy sector is promoted, energy poverty is addressed, end-use energy efficiency at local and regional level is improved and energy sustainability is reinforced.**

In **2018**, the **Greek Parliament adopted the Law N4513/2018** which set the legal framework for the establishment of Energy Communities, aiming to the promotion of social economy, solidarity, innovation, sustainable energy, as well as enhancing energy efficiency in the final consumption of local communities.

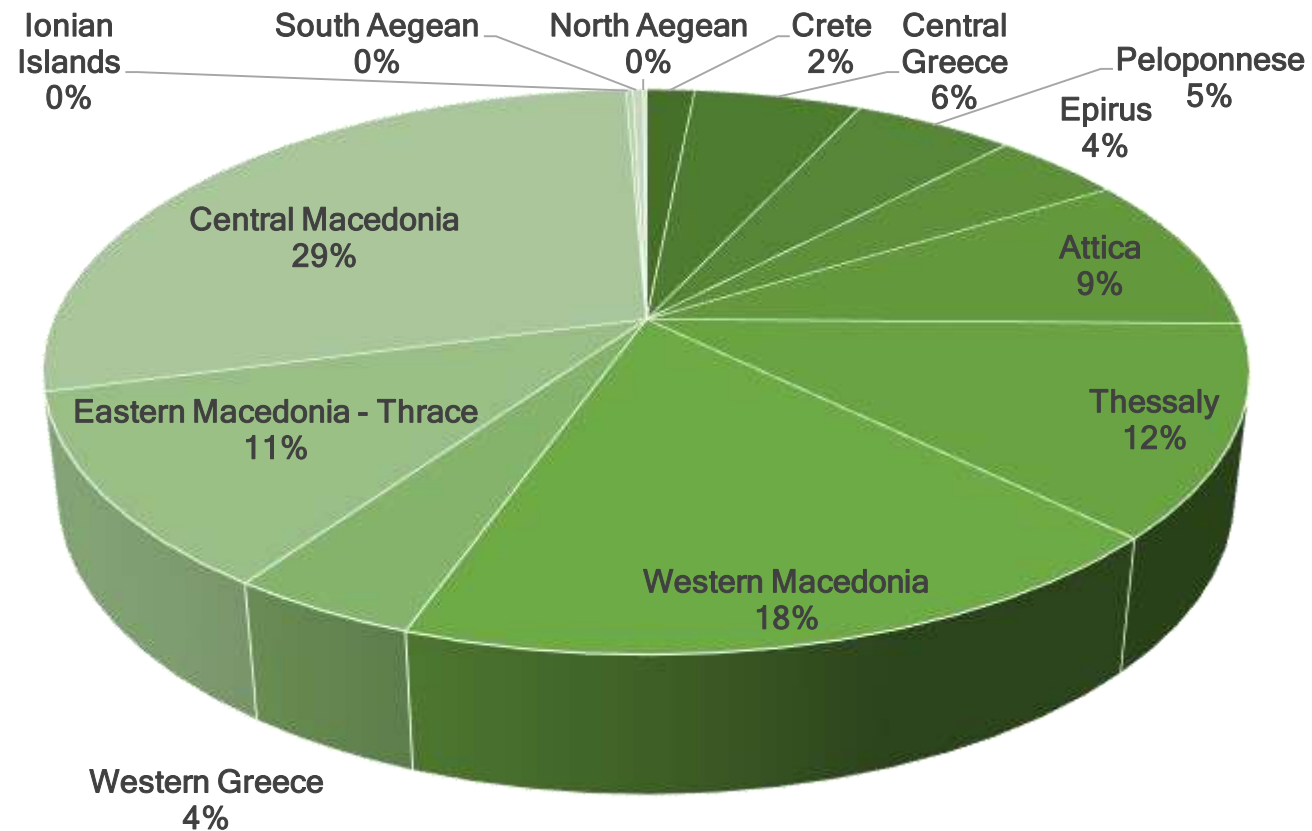
The initiative was designed as **a tool to enable the development of new types of green economic activities at local level**, aimed at increasing RES share, promoting energy efficiency, and reducing greenhouse gas emissions.



STATISTICS

According to the national business registry, there are 911 Energy Communities in Greece (Oct. 2021)

409 Energy Communities in Greece (2020)





CONGREGATE: MUNICIPALITIES' SELECTION CRITERIA

After the thorough research on the current status of Energy Communities in Greece, in terms of both legal framework and case studies, the report “**Elaboration of a set of general solutions for renewable energy cooperatives**” (developed under the GONGREGATE Project) was distributed to several Municipalities within the Greek territory.

The distribution purpose was to inform them about the scope and main outputs of the CONGREGATE project, accompanied by **an Invitation letter** to participate in the next phase of the project which is the elaboration of the feasibility studies for **the establishment of public-private renewable energy cooperatives**.





CONGREGATE: MUNICIPALITIES' SELECTION CRITERIA

Two were the basic criteria for the initial selection of the candidate Municipalities:

- ▶ **The population of the Municipalities.** According to the approved proposal, the feasibility studies will be carried out for three Municipalities of the following categories:
 - Big sized, with population over 100,000 inhabitants,
 - Averaged sized, with population between 25,000 and 99,000 inhabitants,
 - Small sized, with population under 25,000 inhabitants.

- ▶ **The climatic zone.** According to the Hellenic Energy Performance Buildings Regulation, the country is divided into four climatic zones, dependant on the number of heating degree days. It was pursuit to select beneficiaries from at least two different climatic zones, and more specifically from climatic zones B and C that represent the vast majority in terms of both geographical area and population.



CONGREGATE: MUNICIPALITIES' SELECTION CRITERIA

No	Selection Criteria Checklist	Weight Factor
1	Is the Municipality: - Participating in the Covenant of Mayors? OR - Implementing Energy Management System (ISO 50001) or Environmental Management System (ISO 14001-EMAS)	5%
2	Has the Municipality prepared/preparing Sustainable Energy and Climate Action Plan (SECAP)?	5%
3	If "YES" does the SECAP include: Projection for energy production via the exploitation of Renewable Energy Sources? OR Projection for energy production via the creation of Energy Communities (either to support energy consumption or even to mitigate energy poverty)	5%
4	Has the Municipality an active Energy Office with updated energy data and relative energy efficiency programmes?	5%
5	Is the Municipality committed to the elaboration of the Energy Community (via Energy Policy, Municipal Council decision, approved SECAP etc)	10%
6	Are there any preparatory steps on the establishment of Energy Community been undertaken?	15%
7	If Yes has the cooperative scheme been defined?	10%
8	Has the organisation defined the RES technology adopted from the Energy Community?	10%
9	Is the technology and its application considered mature? Is the essential infrastructure available?	10%
10	Is the funding of the Energy Community ensured?	20%



CONGREGATE: MUNICIPALITIES' SELECTION CRITERIA

Considering that the project is aiming at Municipalities that are mainly at the design phase of establishing an Energy Community, it was decided that eligible Municipalities would be the ones concentrating an overall assessment over **50%**.

From the Municipalities originally participating in the selection process and taking into consideration **the essential differentiation in the population, the climatic zone and the Administrative Region each ones belongs**, we concluded in the selection of the following three Municipalities.

Municipality	Population	Administrative region	Regional unit	Area (km ²)	Climatic Zone	Overall Rating
Pavlos Melas	>100.000	Central Macedonia	Thessaloniki	23.763	C	52.5
Egaleo	69,946	Attica	West Athens	6.45	B	60
Farsala	18,545	Thessaly	Larissa	739.74	C	75



CONGREGATE: MUNICIPALITIES' SELECTION CRITERIA



MoC signed with Pavlos Melas Mayor
Mr Dimitris Demourtzidis



MoC signed with Farsala Mayor
Mr Iordanis Eskioglou



MoC signed with
Egaleo Mayor
Mr Ioannis Gkikas

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THANK YOU FOR YOUR ATTENTION!

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