

Energy Communities in the Covenant of Mayors Community

Session:

Community driven sustainable energy action in rural villages

By Arthur Hinsch, CoM Office



Rural Pact Conference

15-16 June 2022





The Process



Available at: <https://eumayors.eu/about/covenant-initiative/objectives-and-scope.html>

Rural Pact Conference
15-16 June 2022



The Interactive Funding Guide



Shared management funds	European Funding Programmes	Technical assistance and advisory support	Financial Institutions Instruments	Alternative Financing Schemes
Cohesion Fund	Connecting Europe Facility	eeef TA	Municipal loans	Citizen Cooperatives
ERDF	EREFM	InvestEU Advisory Hub	InvestEU Fund	Crowdfunding
EMFAF	Horizon Europe	Just Transition Platform	Public Sector Loan Facility	EPC
ERDF	Innovation Fund	LIFE Technical Assistance Projects		Green municipal bonds
ESF+	LIFE			On-bill-financing
Just Transition Fund	Territorial Cooperation			Revolving loan funds
	URBACT			Soft loans, guarantees
Support services				
InvestEU Portal	EIAH	URBIS	fi-compass	European PPP Expertise Centre

Available at: <https://eumayors.eu/support/funding.html>



Rural Pact Conference
15-16 June 2022



What is the Cities Energy Saving Sprint?



- ▶ A joint awareness campaign of the Covenant of Mayors – Europe, the Committee of the Regions and the European Commission
- ▶ Launched the 19th of May and to last until the European Sustainable Energy Week in September (26th- 30th)
- ▶ Encourage cities to reduce their energy consumption, as part of the EU- Save Energy plan. Immediately and inexpensively!
- ▶ Foment local debates on how to decrease energy demands in cities and individual lifestyles

The Cities Energy Saving Sprint



Rural Pact Conference
15-16 June 2022



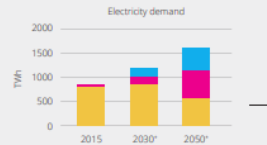
Great Potential for Collective Energy!



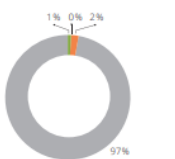
THE POTENTIAL OF ELECTRICITY GENERATION BY PROSUMERS IN THE EU IN 2050



The electricity demand by households doubles by 2050 due to more use of heat pumps and electric vehicles.

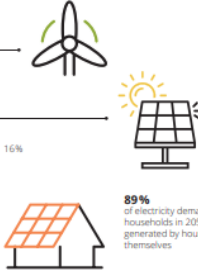
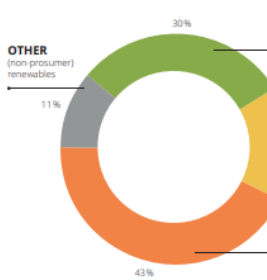


CURRENT TECHNOLOGIES
for generating electricity of households



● Solar PV rooftops
● Solar PV ground-based (collective)
● Wind (collective)
● Other

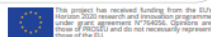
POSSIBLE FUTURE TECHNOLOGIES
for generating electricity of households



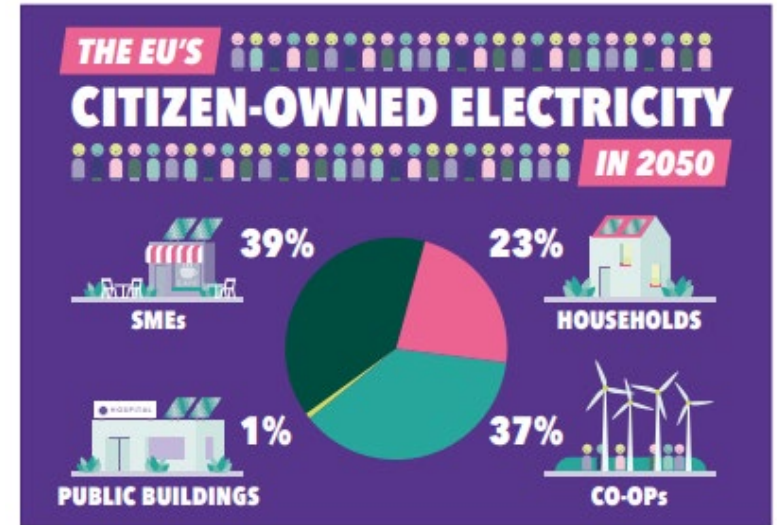
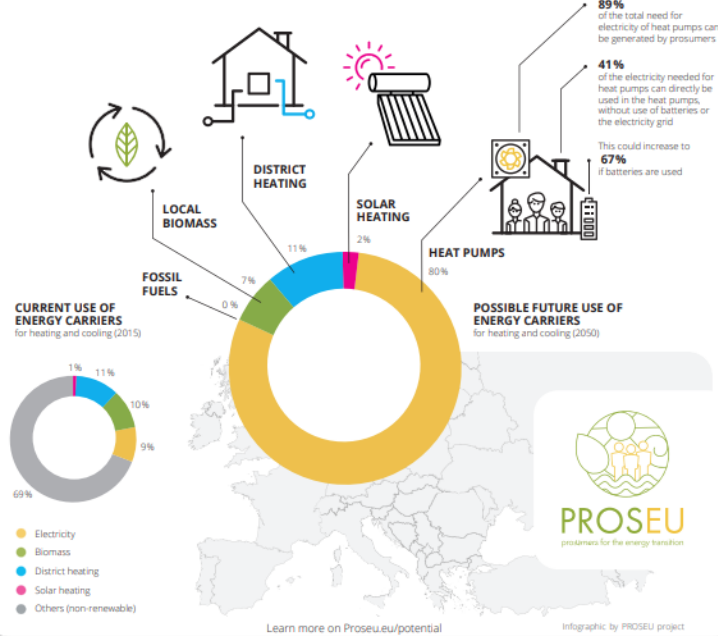
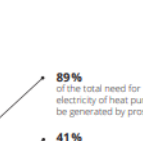
89% of electricity demand of households in 2050 can be generated by households themselves

* All figures on this infographic that present future years are results of the maximum renewable scenario as the report publish on www.proseu.eu/potential

Infographic by PROSEU project



THE POTENTIAL HEATING AND COOLING TECHNOLOGIES IN HOUSEHOLDS IN THE EU



¹ The study, performed in 2016 by Dutch consultancy firm CE Delft, evaluates for the first time the potential of decentralised power generation across the continent. <https://bit.ly/2GLYnov>

Image source: [Friends of the Earth Europe](https://www.friendingtheearth.org/) 2019

Rural Pact Conference
15-16 June 2022



What can municipalities do?



- Many things! E.g:
- They can make **public space** available and offer energy communities opportunities to participate in **public tenders**
- They can **raise awareness** and **share municipal staff and resources** e.g. join the board of the community
- They can **set concrete targets** for the promotion of energy communities and make them a firm plan of their climate & energy plans
- They can save costs and can **protect vulnerable households**
- They can **bring together different stakeholders** and promote innovation through **co-creation** and **citizen engagement**
- They can improve the **flexibility and resilience** of local grids
- They can **become part** of energy communities themselves
- They can profit financially from engaging with RECs e.g. through the generation of stable **business tax revenues** and **access to renewable energy sources**



Image source: PROSEU 2021 / Design Doppel



Rural Pact Conference
15-16 June 2022



Examples from Sigantory Cities



In Valencia, Spain, the Council has set up an Energy Office and aims at having 100 energy communities by 2030.

- Public roofs are being made available to energy communities for PV installations. Outreach activities and personalized advice provided.

In Bristol, United Kingdom, the Council has set up the Bristol Community Energy Fund.

- The aim is to increase Bristol's renewable energy supply and help changing people's energy behavior. Grantees include the Bristol Energy Cooperative.

In Porto, Portugal, eight apartment blocks and a public school are forming a renewable energy community.

- Electricity will be generated from PV panels installed on the roofs and consumed within the community with any excess sold to the grid. Ambition is to involve 118 families as well as young consumers who will receive rebates on their energy bills. The local authority is closely involved and manages a large number of buildings.

In Tartu, Estonia, the SECAP includes an objective of 150 GWh of electricity consumption annually, 15 GWh need to come from the rooftops of apartment associations.

- The city, and the local energy agency (TREA) are additionally involved in capacity building and work with homeowners associations to facilitate community-ownership of PV installations and to co-finance building retrofitting.



Rural Pact Conference
15-16 June 2022



Examples form Signatories in Rural Areas



In **Crevillent**, Spain, 65 households are participating in an energy community set up in collaboration with Enercoop.

- Activities include collective self-consumption, storage, the optimization of the energy and economic flows, electricity-sharing and a mobile app for citizens with information about their energy use. The municipality provides administrative support and allows for the installation of PV solar panels on local government roofs and has already permitted public unused land to be used for more PV installations.

Amel & Büllingen, Belgium, have initiated and participate in a large wind farm on municipal property. 50% of the project are publicly owned by the municipalities and 25% by Courant d'Air and 25% by Ecopower.

Villages around **Göttingen**, Germany, connect local farmers to village cooperatives that manage energy production and distribution e.g. Bioenergiedorf Jühnde eG.

- With high citizen interest, investment came from LEADER as well from cooperative shares, cooperative loans and federal government subsidies.

Ragusa, Italy, is making renewable energy communities a core priority in its Sustainable Energy & Climate Action Plans (SECAP) and is now launching an 200 kW agricultural energy community allowing SMEs to produce and share energy from renewable sources.



Rural Pact Conference
15-16 June 2022



Join the CoMmunity!



Signatories: <https://eumayors.eu/join/join-as-a-signatory.html>

Coordinators: <https://eumayors.eu/join/join-as-a-coordinator.html>

Supporters: <https://eumayors.eu/join/join-as-a-supporter.html>

Thank you!

Contact: arthur.hinsch@eumayors.eu / info@eumayors.eu



Rural Pact Conference
15-16 June 2022

