



European Energy Network

A voluntary network of European energy agencies

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Municipality of Porto

Porto Climate Pact

- The Porto Climate Pact is promoted by the Municipality of Porto which aims to be the national leader in climate action, anticipating carbon neutrality by 2030.
- The Municipality has been monitoring Greenhouse Gas (GHG) emissions since 2004, through the Porto Energy Agency, and has committed with a 60% GHG reduction by 2030 in its SECAP.
- The Porto Climate Pact intends to bring all citizens and organizations to cooperate around carbon neutrality and create a true community of learning, sharing experiences and knowledge, and mutual support for this goal.



<https://pactoparaoclima.portodigital.pt/>



Municipality of Porto

Role of Municipalities in Energy Transition



- Unfolded potential of cities to contribute to a clean energy transition in a fair and inclusive way
- Promotion of decentralized renewable energy production
- Cities lead by example by promoting efficient energy consumption and becoming producers of their own energy
- Contribution to local and national energy and climate strategic goals



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RECs in Social Housing



- 50 social housing districts (13.3% total housing)
13 237 dwellings
- Annual electricity consumption: 30 GWh
- Potencial PV capacity: 6 MWp - estimated annual production of 8,6 GWh
- About one third of electricity needs can be produced locally



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Asprela+Sustentável Living Lab



Objective:

- Combination of sustainable mobility, energy efficiency, renewable energy, circular economy and citizen engagement actions, based on innovation and business models
- Construction of an urban ecosystem, scalable and replicable, to promote decarbonization





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REC Agra do Amial



Agra Elementary School

- 1 PV Plant: 13 kWp
- *2nd life* Batteries : 21 kWh

Housing Agra do Amial

- 181 dwellings
- 15 PV Plants: total 101 kWp
- Battery: 133 kWh
- 3 EV Chargers

Renewable Energy Information

Estimated PV Production: **160 MWh/year**

Reduction of consumption: **26%**



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Leading by example

- Enhancing the population's energy literacy (Porto Energy HUB)
 - <https://portoenergyhub.pt/>
- Implementation of PV plants on municipal buildings
 - Porto Solar (1MW em 29 buildings)
 - RECs in Social Housing (6MW)
- Fleet and chargers for electric vehicles
 - Approximately 300 electric vehicles
- Efficient Public Lighting
 - Approximately 32,000 LED luminaires
- Contribution to local and national strategic energy and climate goals

