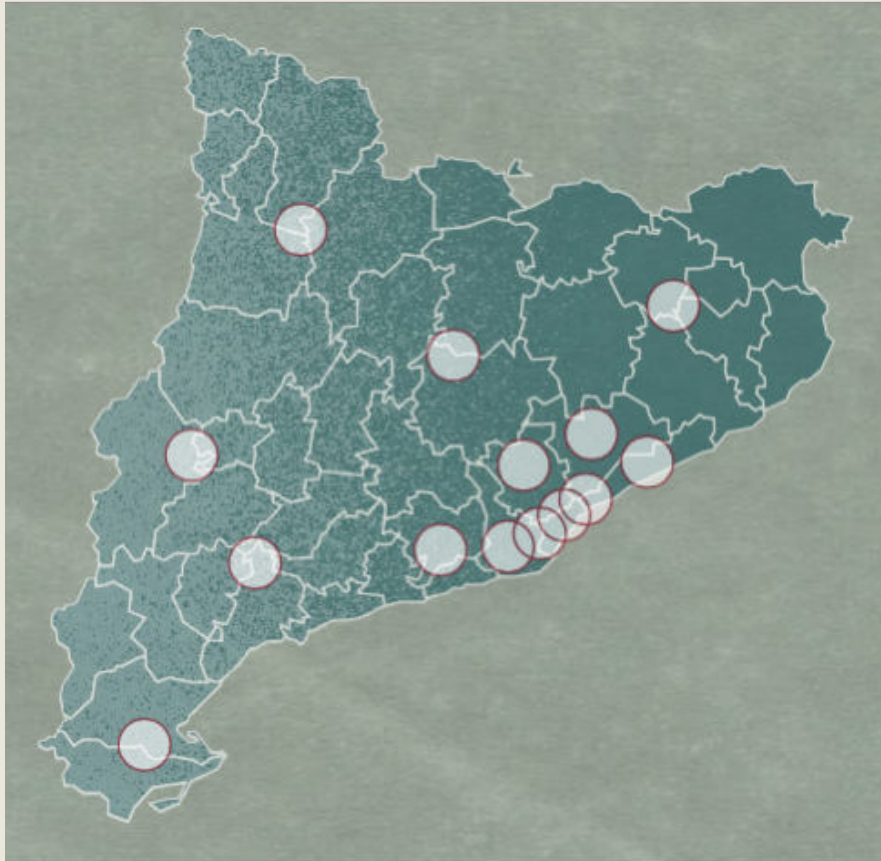


Model of public-private cooperation on green social business development

ATENEUS COOPERATIUS AND COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

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ATENEUS COOPERATIUS



An interconnected network of 14 Ateneus Cooperatius in Catalonia formed by more than 300 public and private entities and financed by Catalan Government

- Dynamize and create democratic socioeconomic relations
- Contribute to strengthening and growing economic activity
- Create quality employment.

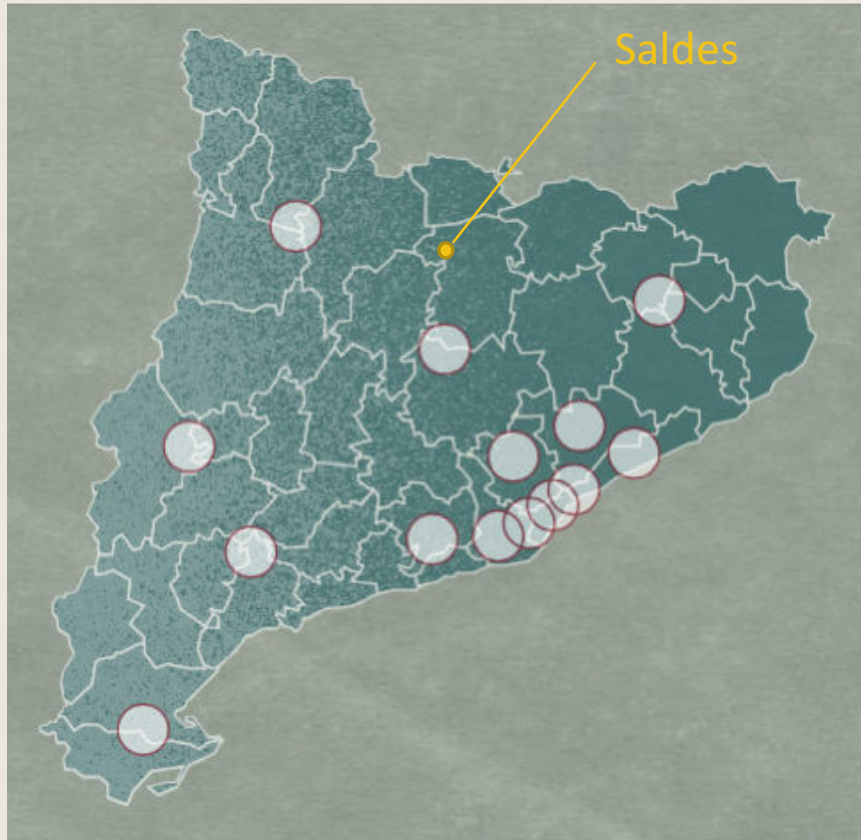
ATENEUS COOPERATIUS



What do we do?

- Observation, research and diagnosis of social economy
- Training for the promotion, creation and consolidation of social economy projects
- Support for the creation and consolidation of social economy projects
- Dissemination, awareness and knowledge generation
- Facilitation of intercooperation, networking and territorial dynamization

COOPERATIVA ENERGÈTICA DEL PEDRAFORCA



- Saldes is a very small village in the Catalan Pyrenees.
- It has 66 km of extension and it includes three small population centres of nearly 300 people in total.
- Situated at the foot of the iconic Catalan mountain; Pedraforca (2497m)
- The Council has been working toward energy sufficiency



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Objective

Create a photovoltaic parc to install solar panels owned by the villagers to produce their own energy.

Benefits

- Concentrating the solar panels in one location to gain efficiency and sustainability.
- Same conditions for all the community.
- Preserve the local character and the surrounding landscape.



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Model of public-private cooperation:

Non profit consumers' cooperative participated by villagers (almost 40 right now) and the city council, as a collaboration member.

- Mutual aid
- Oriented toward service rather than pecuniary profit
- Managed democratically
- Collective responsibility
- Independent from political interests



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

First steps and future challenges:

The governing council of the cooperative has started to work on different key aspects which will be treated and discussed later by the owners:

1. Values and principles of the cooperative
2. The value proposition
3. Viability and financing plan
4. First meetings with similar projects: Somenergia, Enercoop.



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Values and principles of the cooperative

- **Non-profit** project
- **Energy community**
- **Social economy** growth
- **Salde**s energy self-sufficiency
- **Climate change** mitigation
- **Km 0** energy
- **Participative** Project
- **Equity** for those who live in non solar areas
- Preference for **micro investors**



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Value proposition

We give the chance to Saldes citizens and neighbouring villages ones (Pedraforca Valleys) to:

- Get involved in an energy community, a participative project recovering the culture of the communal, so historical in the Pyrenees.
- Produce their own energy in a green way contributing to stop climate change
- Break the existing energy oligopoly
- Invest in the energy production and save a “symbolic” amount through light bills.



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Project viability: some obstacles to overcome

- Distance from solar plant to village 1Km>500m → barrier for developing a **shared self consumption Project**
- Obligation to sell and buy energy to the **electricity market** →
- Project **architecture and governance** become more **complex: we need to create two entities:**
 - The **marketing cooperative**: encharged of selling and buying electricity → the cooperative participated by the villagers
 - The **electric producer cooperative**: encharged of producing the electricity → second level cooperative participated by the marketing cooperative and the Saldes City Council.



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Project viability: some obstacles to overcome

- **Small production Surface 760 m² → no economy of scale**
(same costs related to getting into the electric market but less productivity due to plant capacity limits)
- **Long amortization period >10 years**



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Project viability

- **Electric power: 460 KW**
- **Energy/yr: 720.000 KWh** similar to Saldes consumption **800.000 KWh**

Financing plan

- **Budget: 400.000 €**
- **Crowdfunding model:** microinvestors



COOPERATIVA ENERGÈTICA DEL PEDRAFORCA

Meetings with similar projects

The cooperative council has started to meet up with more consolidated projects that can inspire the next steps:

