coopérnico

Energia verde
Sustentabilidade
Cidadania

Coopérnico's overview

22-02-2022

AGENDA

1. OVERVIEW OF COOPÉRNICO

2. PRODUCTION

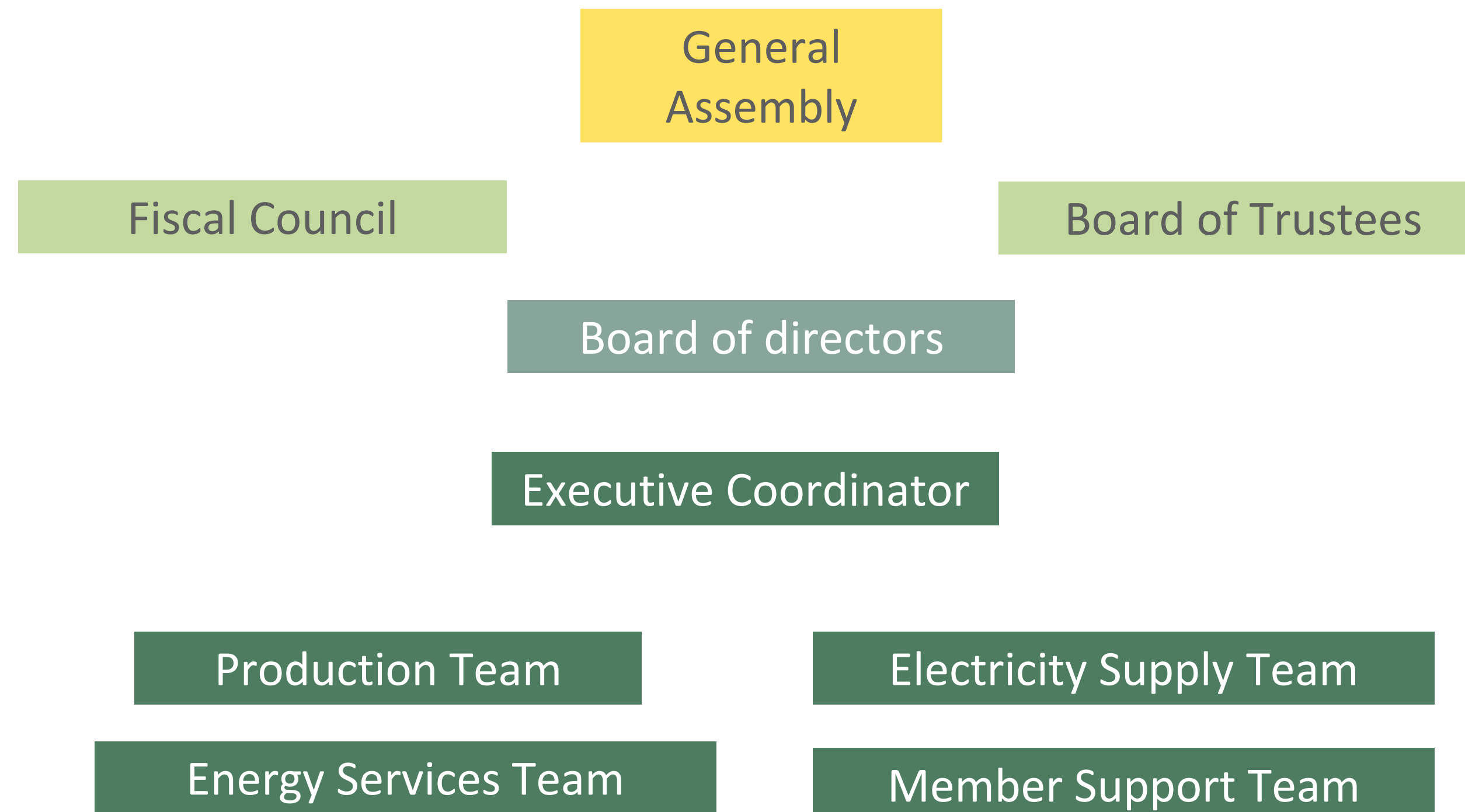3. ELECTIRICITY SUPPLY
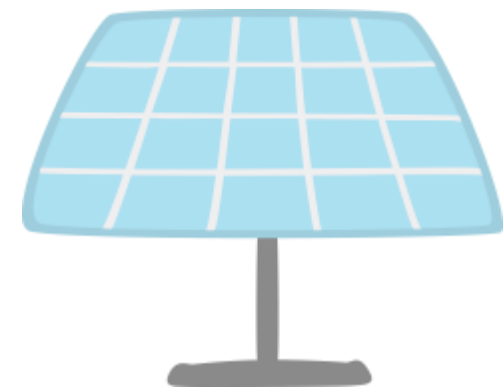
4. ENERGY SERVICES

1. OVERVIEW OF COOPÉRNICO
History

Fundend by 13 citizens
Nov 2013

Gulbenkian Sustainability Award
Jul 2018

First project without the support of other REScoop
Abr 2016

Inependent retailer
Nov 2019

1. OVERVIEW OF COOPÉRNICO
Internal organization

General Assembly

Fiscal Council

Board of Trustees

Board of directors

Executive Coordinator

Production Team

Electricity Supply Team

Energy Services Team

Member Support Team

1. OVERVIEW OF COOPÉRNICO
Activities

Production

Co-op members collectively invest in solar photovoltaic production projects

Electiricty Supply

The cooperative produces as much energy as members consume or compensates with national green certificates

Energy Services

The cooperative participates in several European projects and has several partnerships to facilitate access to energy services for members

2. PRODUCTION
Why Solar PV?

Economic

Mature technology that allows projects with competitive IRR and NPV
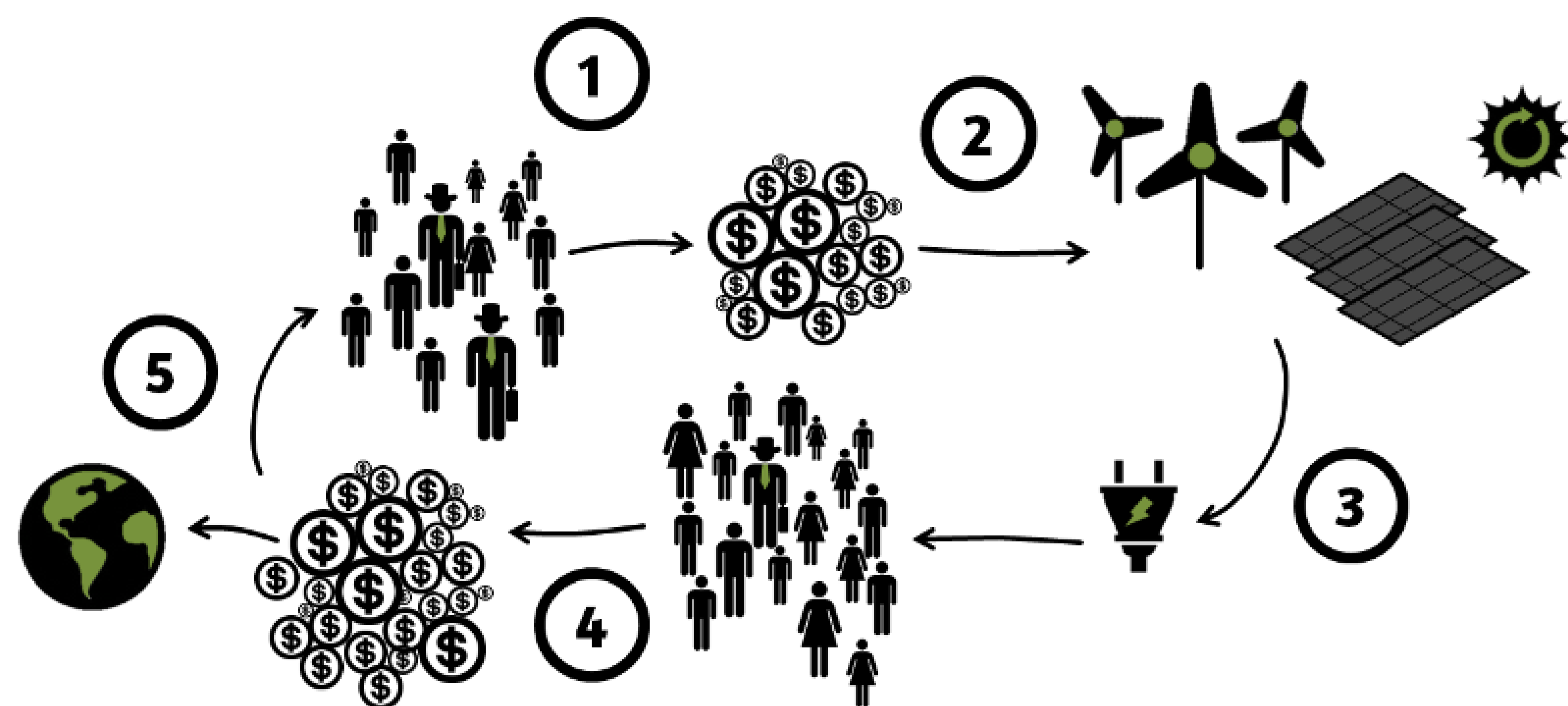
Environment

It reduces the carbon footprint by taking advantage of unused spaces which roofs and shading structures
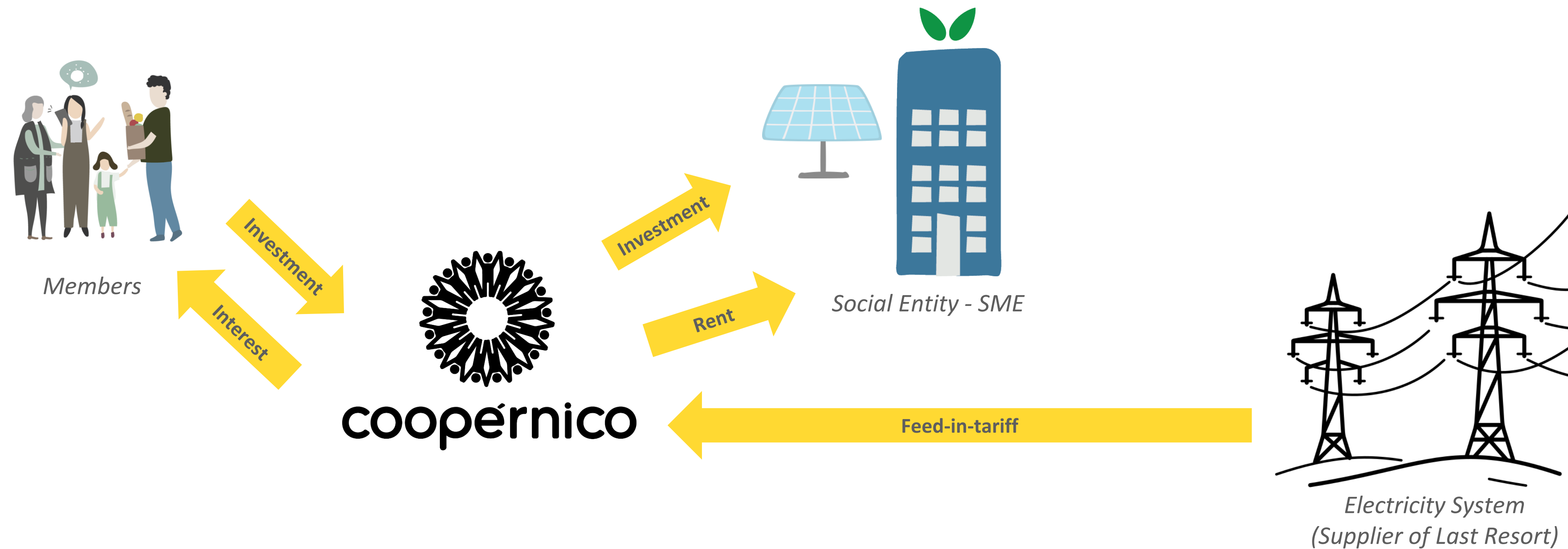
Society

Being a modular technology, it is easier to access for citizens compared to other technologies.

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2. PRODUCTION

1. We have created a large community of citizens and companies willing to contribute to a new energy, social and business model

2. We have pooled part of our savings into investments in small renewable energy projects where everyone can own the part they want

3. The electricity we produce is integrated into the electricity grid and serves to supply families and businesses

4. Our projects generate economic benefits, with the sale of the electricity produced, and environmental benefits, with the production of clean electricity

5. We distribute the benefits generated among society, investors and the environment

2. PRODUCTION
Business Model – Feed-in-tariff

Members

Investment

Interest

coopérnico

Investment

Rent

Social Entity - SME

Feed-in-tariff

Electricity System
(Supplier of Last Resort)

2. PRODUCTION
Business Model – Self-consumption

Members

Investment

Interest

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Investment

Self-cons.

Social Entity - SME

Reduced bill

Electricity System
(Electiricty Supplier)

2. PRODUCTION
Developement phases

1. Contact

Through our network of members

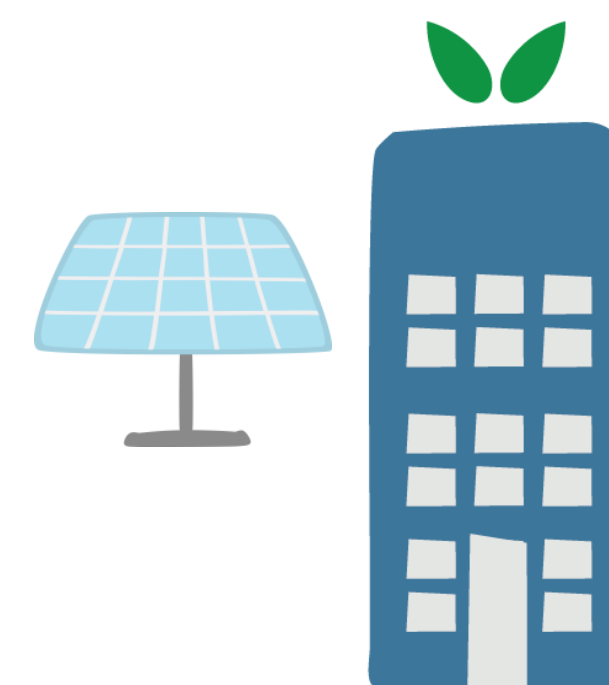and installer companies or direct

2. Feasibility Analysis

Is the project economically sustainable?

3. Internal Procurement

Ask installer member companies to see who

would be interested to install project

4. Funding campaing

Open investment for members
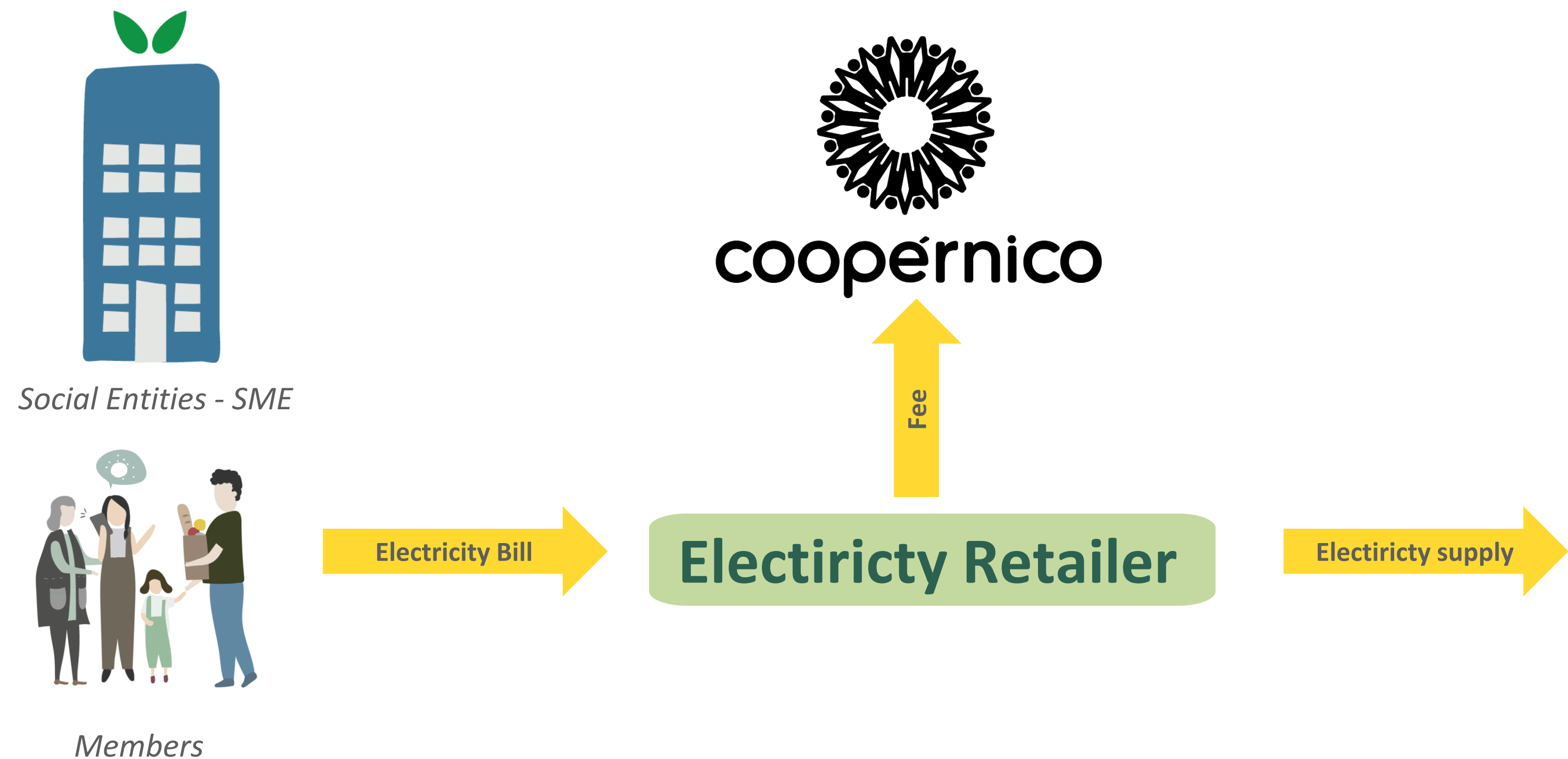
5. Installation

Environment

100 % renewable energy – electricity produced by Coopérnico's portfolio is more than the one consumed by its members or local green certificates
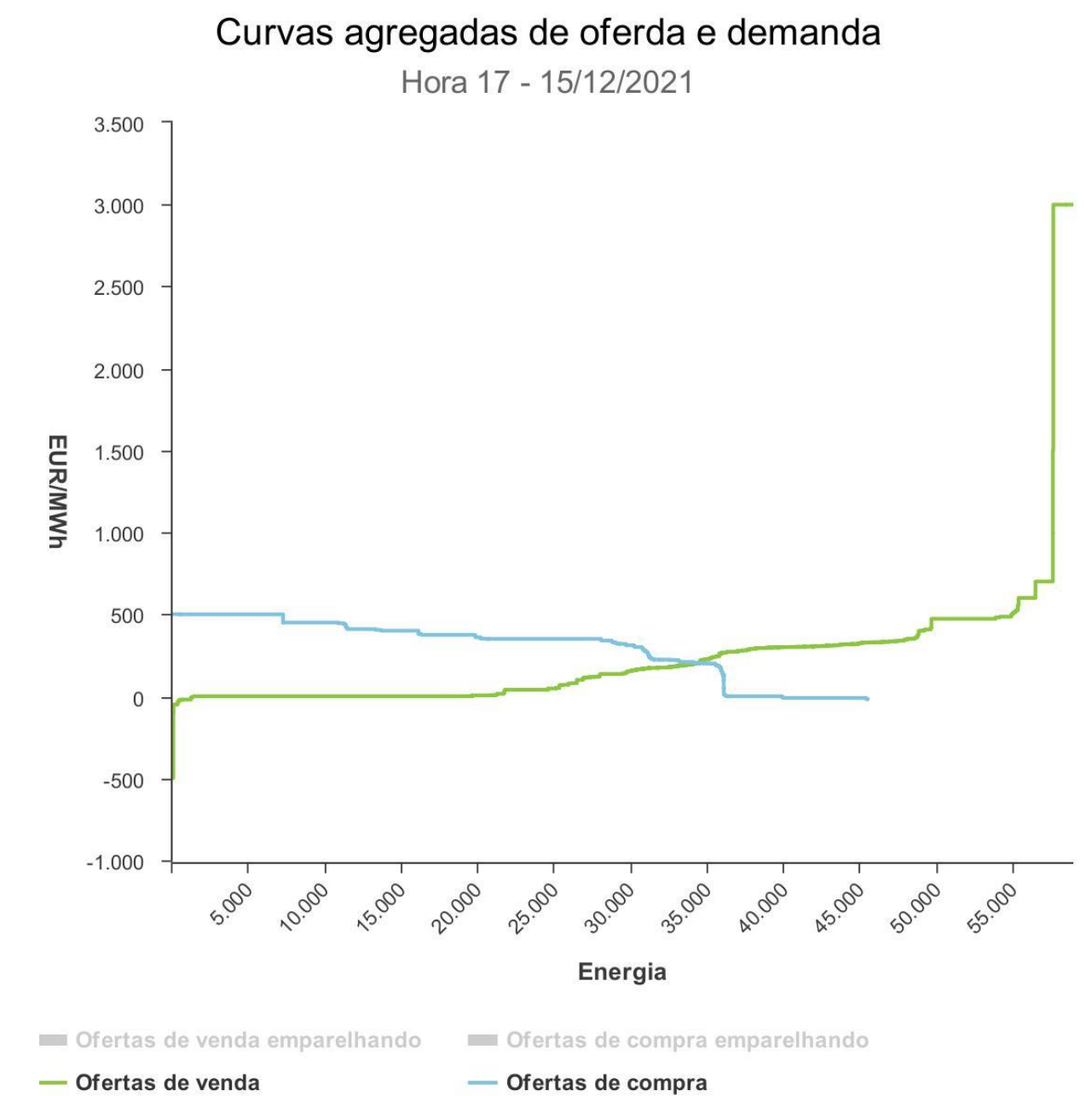
Society

Members are the owner of the company, not merely clients. Coopérnico's activities are transparent
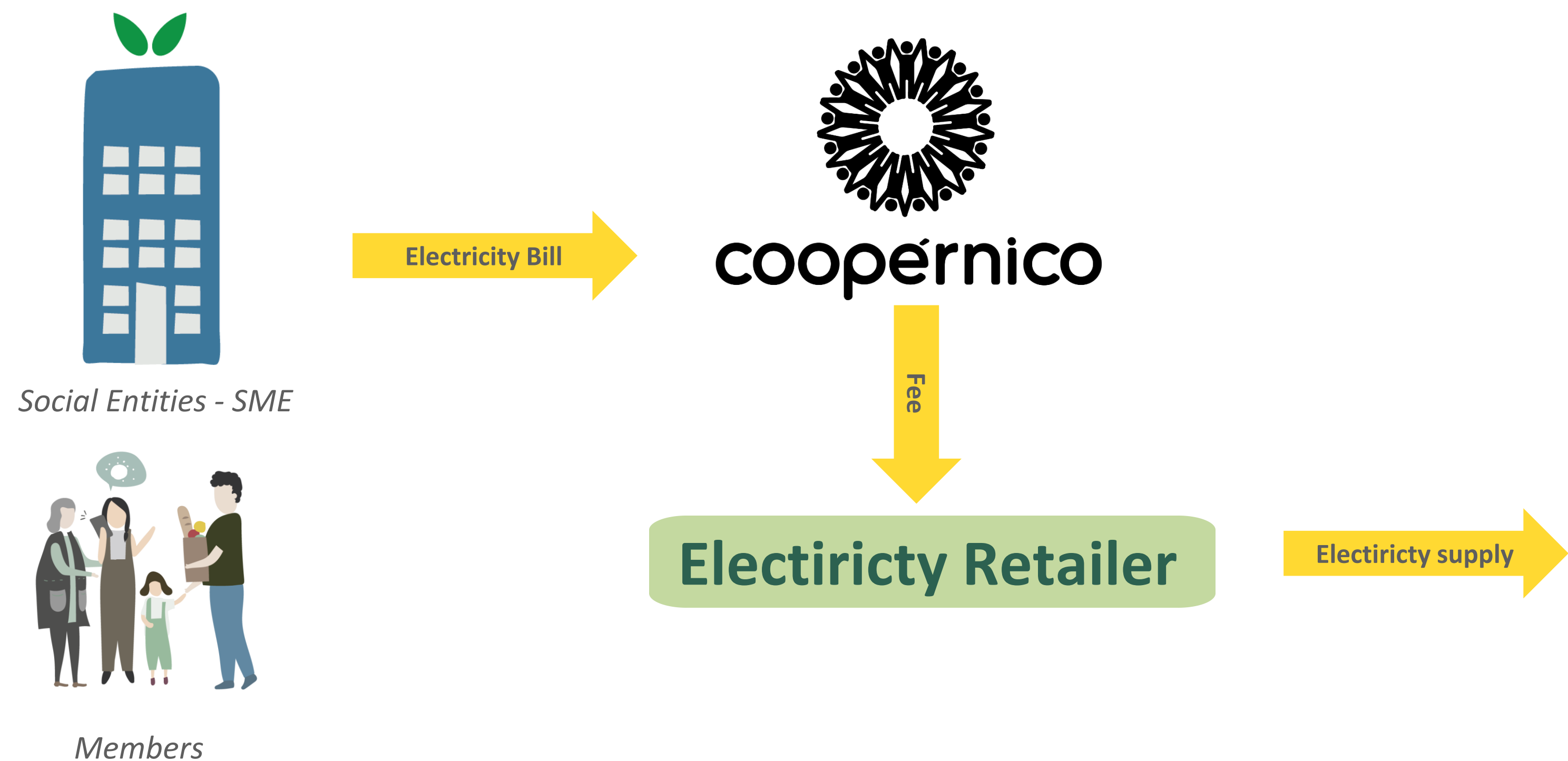
3. ELECTRICITY SUPPLY
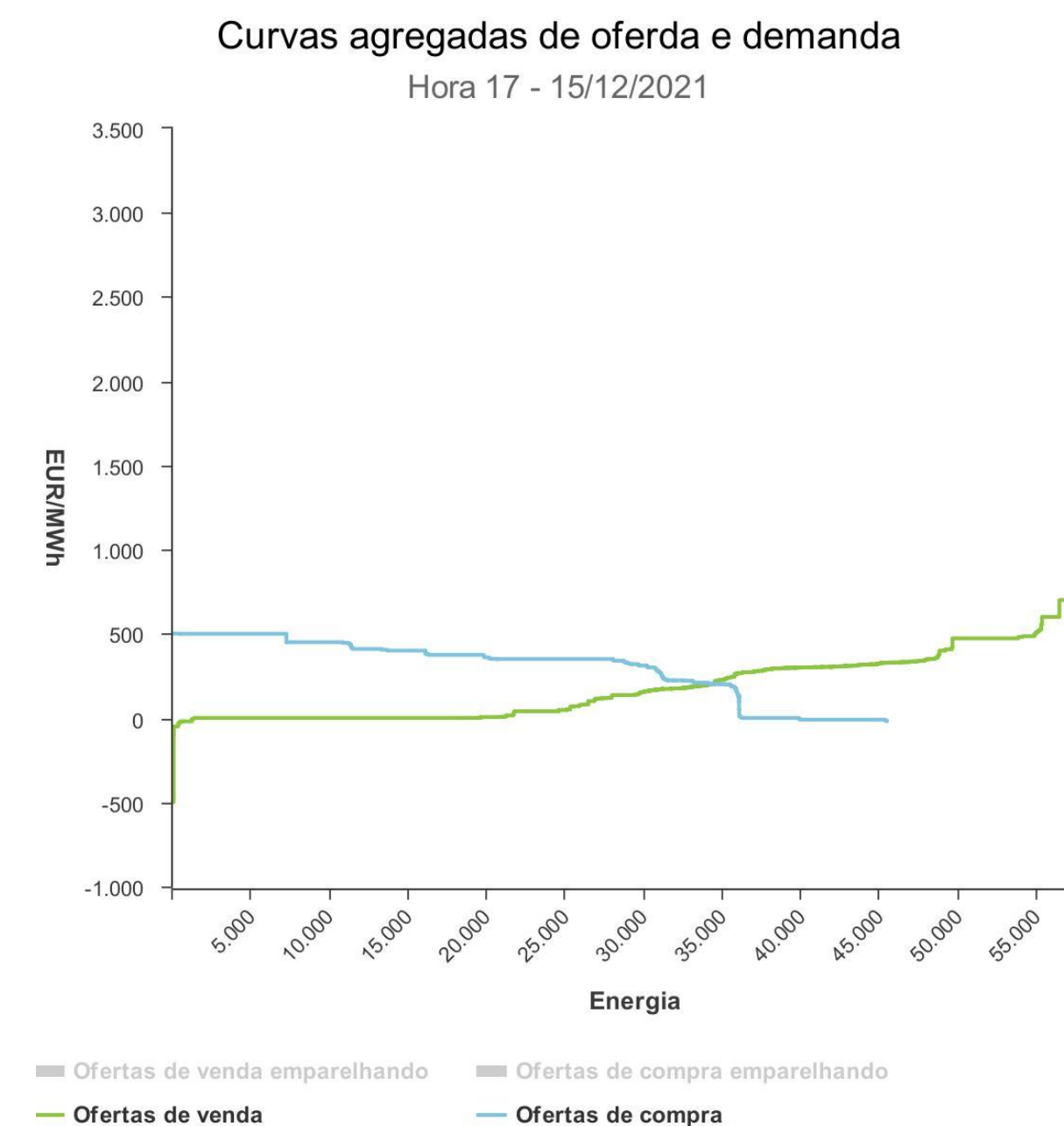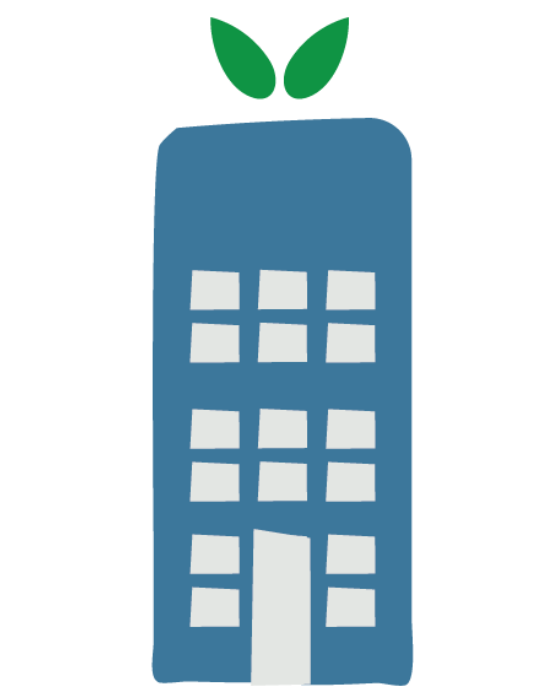## Business Model – Partnership "A"

Electricity Market

Social Entities - SME

Members

Electricity Bill

Electiricty Retailer

Fee

Electiricty supply

Curvas agregadas de oferda e demanda
Hora 17 - 15/12/2021

EUR/MWh

Energia

Ofertas de venda emparelhando   Ofertas de compra emparelhando
Ofertas de venda   Ofertas de compra

3. ELECTRICITY SUPPLY
Business Model – Partnership "B"

Social Entities - SME

Members

Electricity Bill

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Fee

Electiricty Retailer

Electiricty supply
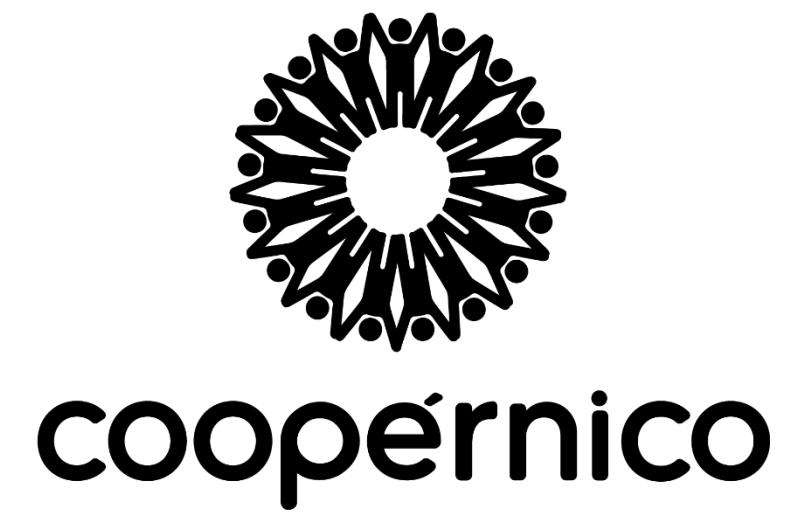
Electricity Market

Curvas agregadas de oferda e demanda
Hora 17 - 15/12/2021

3. ELECTRICITY SUPPLY
Business Model – Goal

Electricity Market

Social Entities - SME

Electricity Bill

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Electricty supply

Members

Curvas agregadas de oferda e demanda
Hora 17 - 15/12/2021

Ofertas de venda emparelhando   Ofertas de compra emparelhando
Ofertas de venda   Ofertas de compra
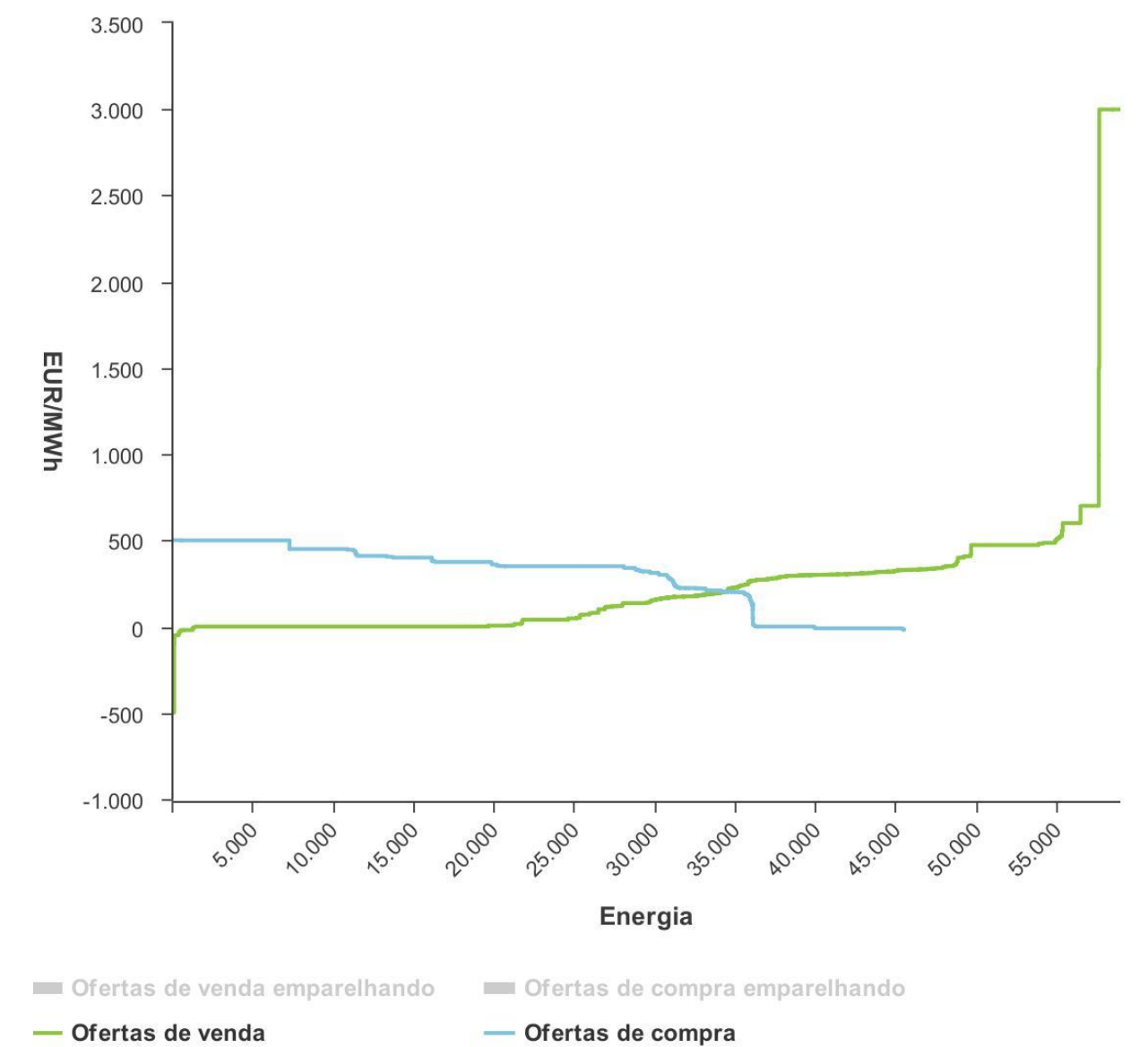
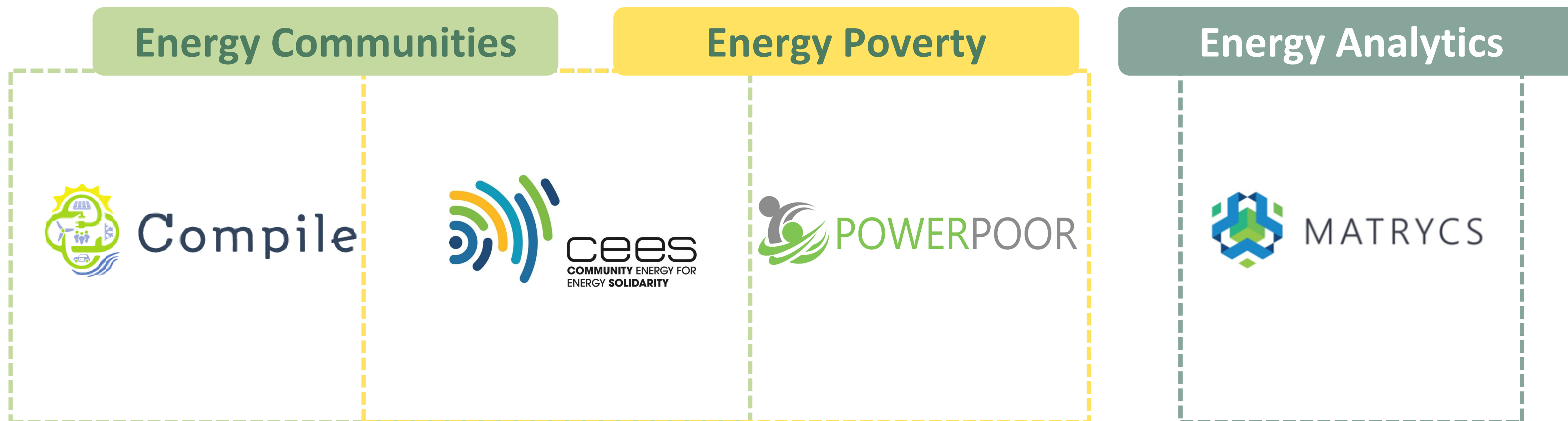4. ENERGY SERVICES
Partnerships

Social Entities - SMEs

Members

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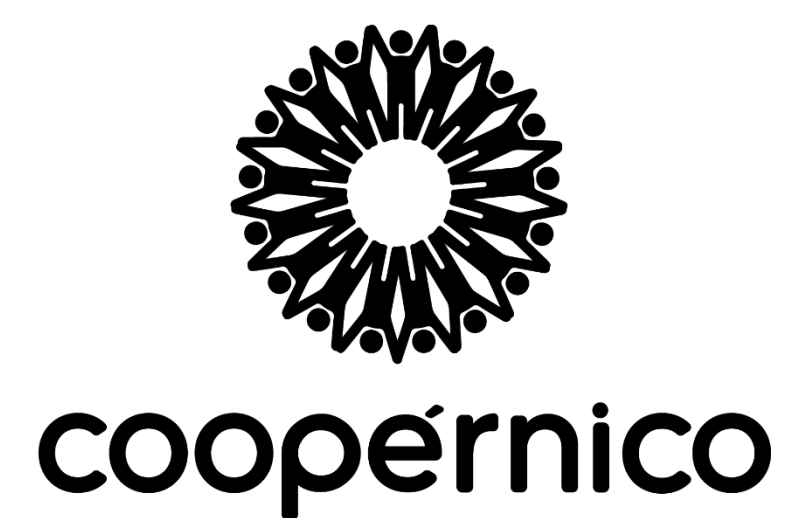
Energy Service Provider

- Electric mobility
- Energy Efficiency
- Solar production
- ...

4. ENERGY SERVICES
H2020 Projects

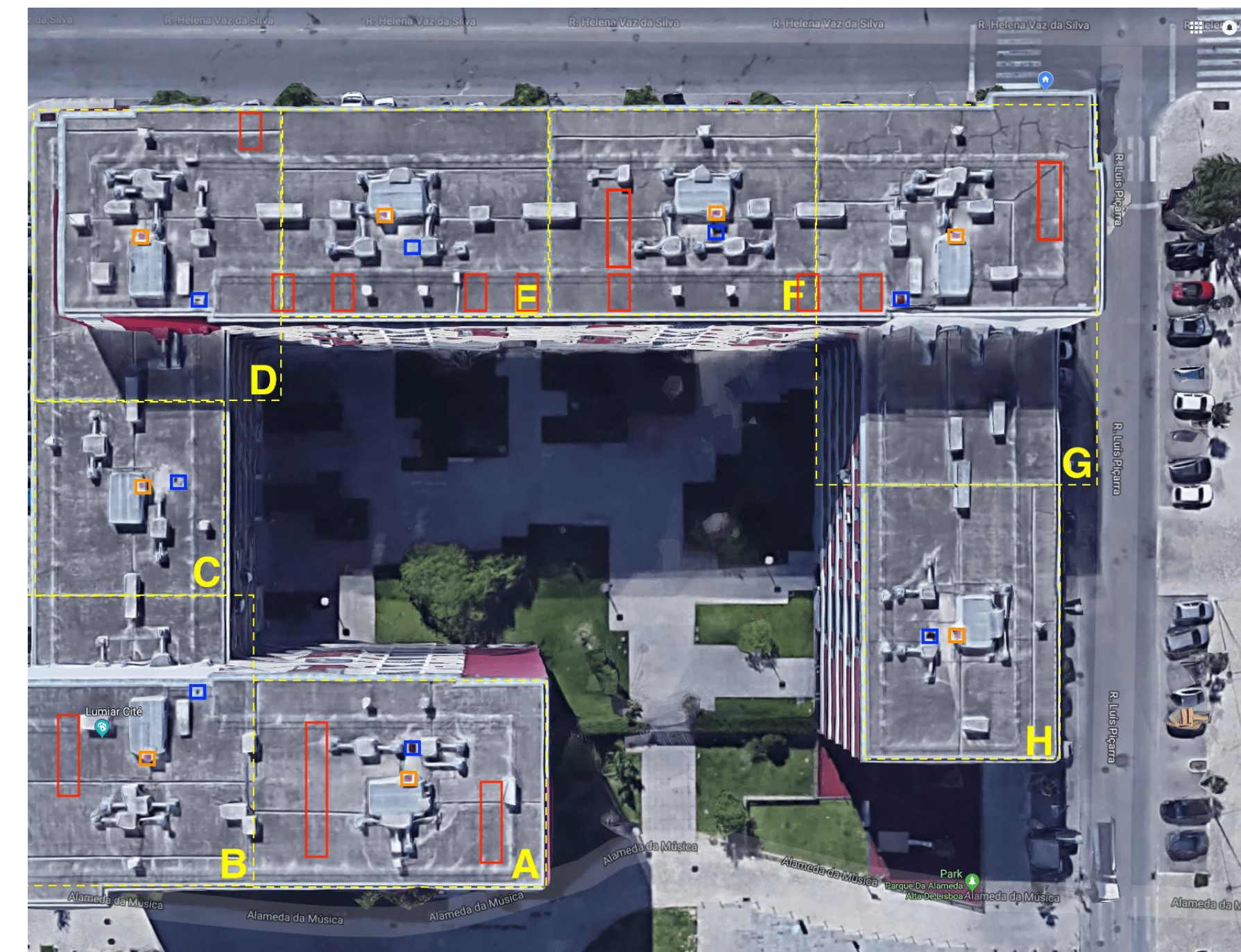| Energy Communities		Energy Poverty	Energy Analytics

4. ENERGY SERVICES
H2020 – Compile

Start: 01-11-2018

Length: 48 Meses

Partners: 12
Countries: 7

The main aim of COMPILE is to show the opportunities of energy islands for decarbonization of energy supply, community building and creating environmental and socioeconomic benefits.

- Support the creation an energy community in a condominium based in Lisbon

4. ENERGY SERVICES
H2020 – CEES

Start: 01-06-2021
Length: 36 Meses

Partners: 11
Countries: 7

Communities have found different ways of getting together to fight energy poverty. Solidarity is the cornerstone of all these initiatives which have huge potential for replication.

- CEES is identifying and analysing the most successful cases of community energy initiatives to tackle energy poverty in Europe, validating them academically and empirically and supporting the overcoming of regulatory and financial barriers, to then create a toolkit for EU replication

CEES Targets

ENGAGE
17 000
households in energy poverty

SAVE
10%
of household energy demand per year

REDUCE
7.5 GWh
of energy-related emissions per year

TRIGGER
€2 MLN
investment in community energy

4. ENERGY SERVICES
H2020 – PowerPoor

8 pilot countries

POWERPOOR

Start: 01-09-2021

Length: 36 Meses

Partners: 14
Countries: 11

Bulgaria

Croatia

Spain

Estonia

Greece

Hungry

Latvia

Portugal

POWERPOOR project will develop projects that support energy-poor citizens and the use of alternative financing options such as cooperatives or crowdfunding.
Energy poor citizens will be engaged through various planned activities, such as Info Days, Local Energy Poverty Offices, and ICT-driven tools (Energy Poverty Mitigation Toolkit).
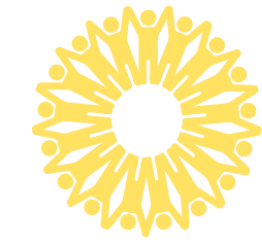
4. ENERGY SERVICES
H2020 – MATRYCS

MATRYCS

Start: 01-10-2020	Partners: 17
Lenght: 36 Meses	Countries: 10

MATRYCS works for a holistic, state-of-the-art AI-powered framework for decision-support models, data analytics and visualizations in real-life applications. Building energy management will be elevated to a new level through improved data processing, analysis and aggregation.

- Create services that facilitate the integration of more decentralize solar production through individual and collective self consumption projects

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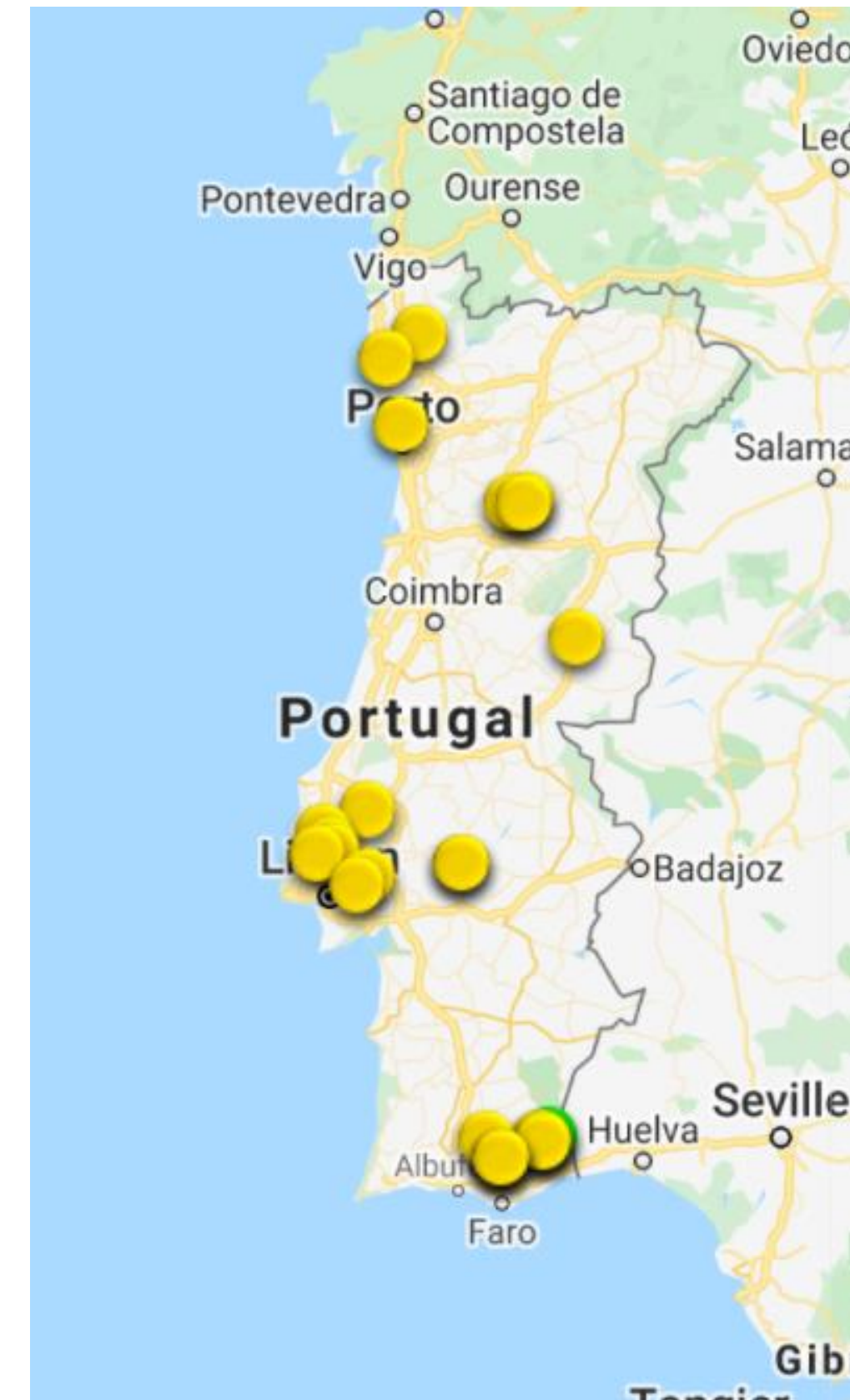
Thank you for
your attention

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