

ENERGIAREN
EUSKAL ERAKUNDEA
ENTE VASCO
DE LA ENERGÍA



EKIOLA: CITIZENS' ENERGY COMMUNITIES

Interreg
Europe



Co-funded by
the European Union

SireENERGY



EUSKO JAURLARITZA
GOBIERNO VASCO

INDUSTRIA, TRANTSIZIO
ENERGETIKO ETA
JASANGARRITASUN SAILA

DEPARTAMENTO DE INDUSTRIA,
TRANSICIÓN ENERGÉTICA Y
SOSTENIBILIDAD

Main features of the Good Practice



Sustainable

Photovoltaic energy production

Best size:
1 MW to 5 MW

Cooperative

Cooperative and community management

500 citizens or families, every member is assigned a certain number of PV panels to fulfil his/her consumption

Competitive

In design and management

No speculation: only the energy I consume

Closed project

Stable prices in the long-term

Partners involved in the Good Practice



Energia Sustapenak, S.L.
Promoter of non-profit citizen consumer cooperatives, that build photovoltaic power plants (1 - 5 MW) to fulfil cooperative members' consumption

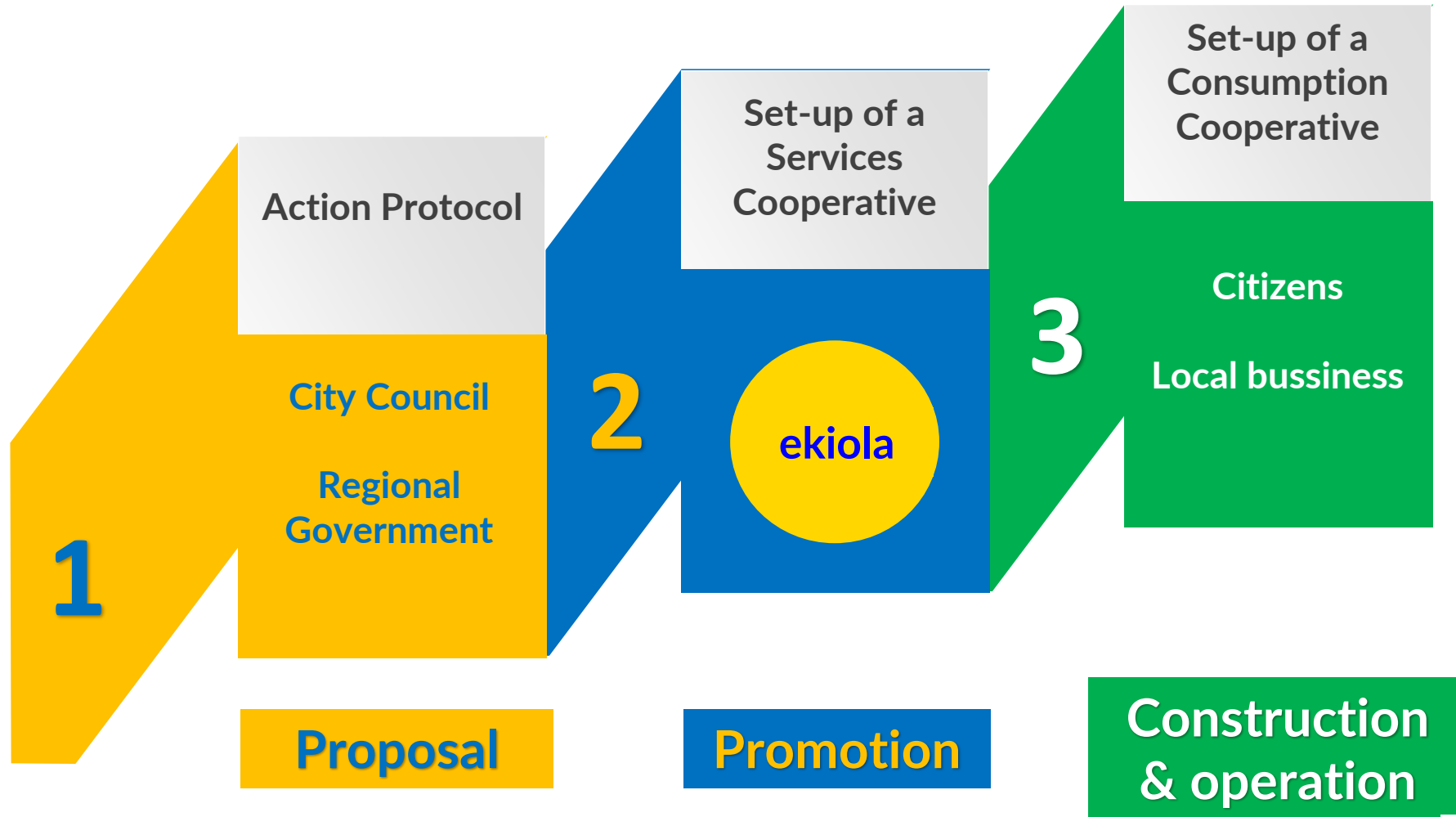


CITIZENS



MUNICIPALITIES

How does it work?



How does it work?

1 - Promotion

TECHNICAL



- Feasibility study
- Best on-site analysis
- Licenses and authorizations
- Technical development project
- Economic analysis
- Financing

PROMOTION

Services Cooperative
**EKIOLA TAKES THE RISK
IN THIS PHASE**



SOCIALIZATION

- Socialization plans
- Accesion of public institutions
- Accesion of local associations

How does it work?

2 - Construction and operation

TURNKEY CONSTRUCTION

Design and installation
of long-term life
elements

CONSUMPTION COOPERATIVE

Transformation into a
consumption cooperative

ADMINISTRATION AND MANGEMENT

Management of the
invoices

Management with energy
traders

OPERATION AND MAINTENANCE

Performance guarantee

Preventive and
corrective maintenance
of the PV plant

TRADING / COMMERCIALIZATION

My own energy
generated is shown on
the electricity invoice



Main Advantages

Citizen energy community (UE) 2019/944

Democratization
of the
generation:
consumer-
owner

Citizens'
participation with
no restrictions

Cooperative
model business:
non-profit entity

Long-term
projects: 25 years

Energy 100%
renewable

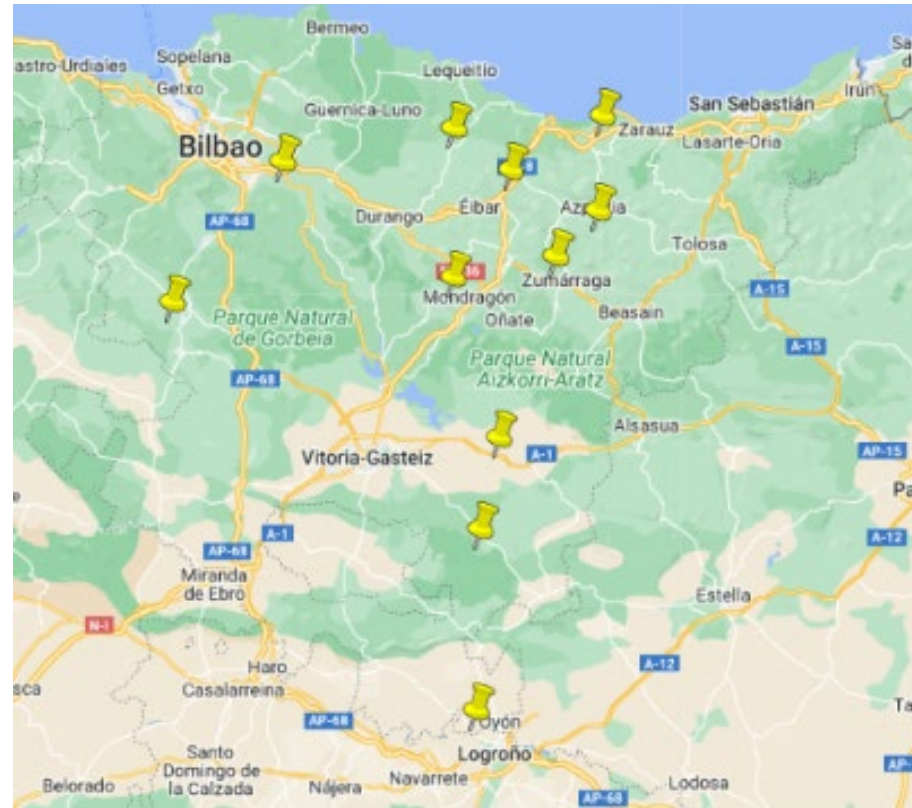
In my area, with
my neighbours

Better social
acceptance of
small PV
plants

Fair price of the
consumed
energy

32% renewable by 2030
(UE) 2018/2001

Map of all Ekiola projects.



Results: Lea Artibai Ekiola



15.000 square meters

Installed power 1.25 MWp

Supply: 526 consumers (The average annual consumption of a family in Lea Artibai is 2,700 Kwh/year)

Citizen contribution: a first payment depending on their annual consumption. 1.500€

Price: €29/MWh+CPI for 25 years (currently 100€/MWh-historical average 50€/MWh)

Results: Lea Artibai ekiola



Energy cooperative governance model of the LEA-ARTIBAI region consists of the following components:

% 70

Citizens

Cooperative members: 114
Interested but not members yet: 102

% 30

**Collaborative partners
Municipalities**



**One member, one vote
does not depend on the
contribution you make.**



Results: Lea Artibai ekiola

Total Expenditure:
1.721.961 €

Grants:
764.880 €

Promotion
138.124 €

Financial+ others
163.900 €

Construction
1.416.0860 €

CONTRIBUTION:
957.081 €



CITIZENS

Results: Lea Artibai ekiola

How to engage citizens?



Markina-Xemein
Ekiolari buruzko informazio saio irekia egongo da urriaren 24an Markina-Xemeinen
18:00etan Esperanza aretara bertarako deia egin diete herritarrei.
2024/10/22
Garaia Pagola Uriza



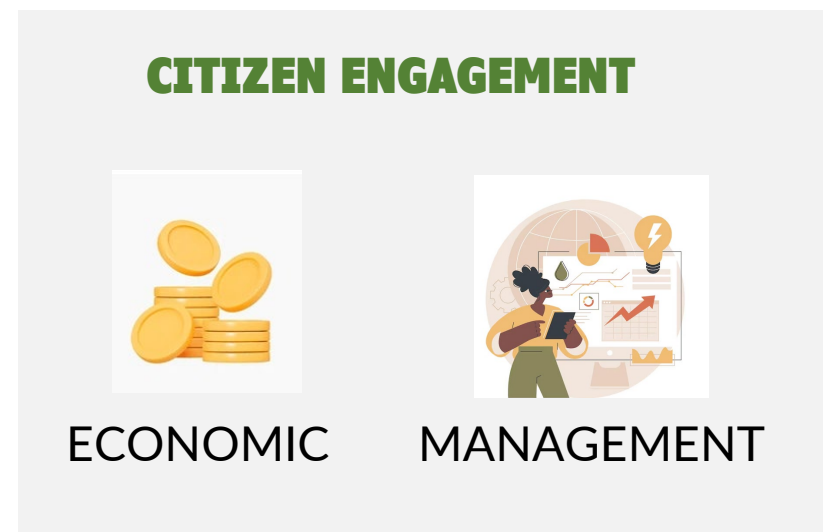
Ekiola Lea-Artibai herri kooperatiba, lanekin hasteko prest
Gaur [raulak 19] Etxebarria, Markina-Xemein, Ondarroa, Berriatua eta Lekeitioko udal ordezkariak elkartu dira Ekiola Lea-Artibai proiektuaren obraren nondik norakoak ezagutzeko.
2024/09/19
Eguzki energia sortu eta kontsumitzeko Bizkaiko lehenengo herri kooperatiba sortu dute eskualdean
Garaia Pagola Uriza



Ekiola kooperatibak azalpen hitzaldiak eskainiko ditu
Lea-Artibako hainbat herri bisitatuko dituzte martxoaren 11tik 18ra bitartean.
2024/03/04
Eguzki energia sortu eta kontsumitzeko Bizkaiko lehenengo herri



- Social media of the city council
- Own website: calculation of the initial investment to be made
- Communication in cooperative industrial enterprises and retail associations
- Workshops for citizens by municipality
- Information Office
- Training of local council employees to provide information about the project and to assist citizens



Key policy lessons

- **Leverage knowledge, capabilities, and management synergies from public-private entities.** Assume responsibility from Ekiola for the development of the initial project phases (design, licenses, and construction permits for implementing the infrastructure and creating the cooperative). This sponsorship helps to shorten timelines and reduce the risk of project abandonment.
- It has been proven that **when communications are driven by local councils, citizen participation in presentation meetings to encourage them to join the cooperative has been higher.** Therefore, even though this may sometimes seem like a top-down process, citizens respond to the proposals of local councils, which are, in essence, entities elected by the community.
- **The public sector's commitment** to providing financial support until achieving self-sufficiency **ensures the initiative's** success and its survival until the appropriate number of members is reached. **This does not interfere with the citizens' power in management,** as they hold the majority of votes. This **encourages citizens when it comes to committing** to the project.





Energiaren Bidea

Euskal Energiaren Trantsizioa
Transición Energética Vasca

