

***“The local government  
as an enabler of greater  
participation and inclusion in  
energy transition”***

***Traza***

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# 1. Lightness project - *Engaging communities in the future of energy*

**Empower citizens** to generate, share and sell renewable energy and thereby contribute to making the European energy sector more sustainable and democratic



*Coming together to produce,  
exchange, or sell renewable energy at  
a fair price and contribute to a just  
energy transition*



# 1. Lightness project - *Envisioning the future of energy*

**Sustainability**



**Social  
justice and  
empowerment**



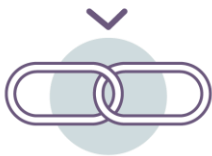
**Autonomy**



**Local  
economic  
development**



# 1. Lightness project - *Working areas*



**Social  
engagement**



**Low-cost  
technological  
package**



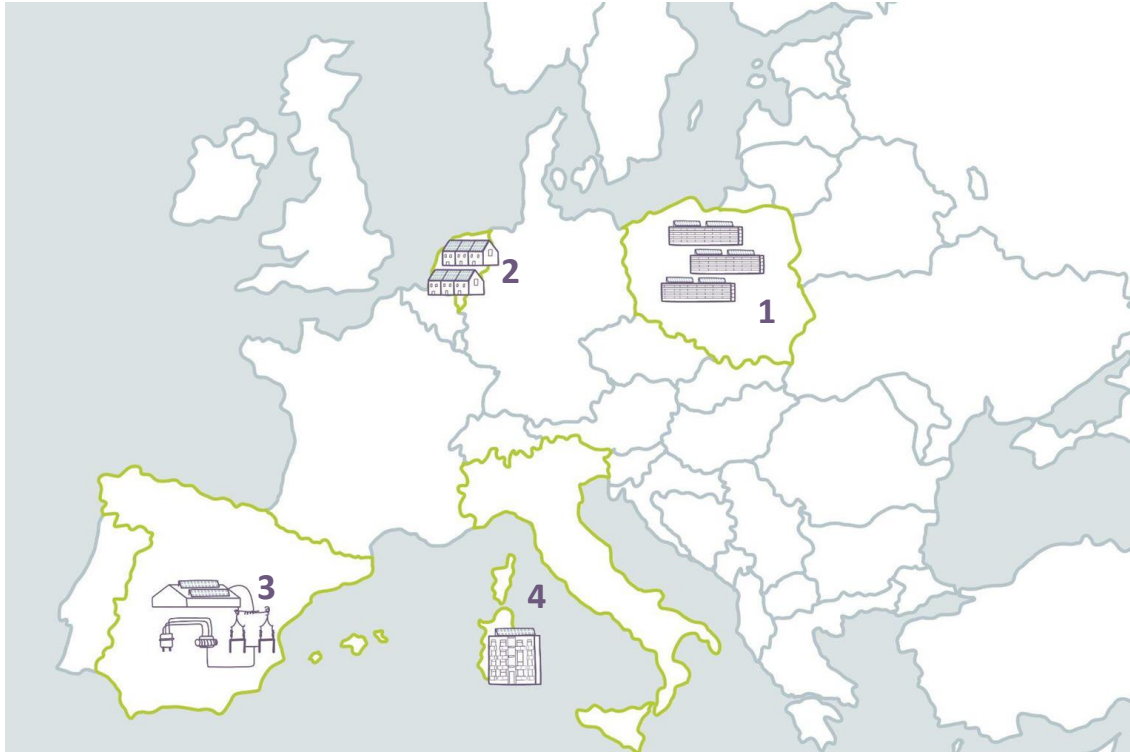
**Innovative  
business  
models**



**Regulatory  
roadmap**



# 1. Lightness project - *Pilot sites*



1. Poland
2. The Netherlands
3. Spain
4. Italy



## 2. ManzaEnergía *Spain*

Located in Manzanares El Real, a municipality of 9,000+ inhabitants north of Madrid, and includes:

- 5 public buildings and their users
- 15 families in a situation of energy poverty
- 30+ members of the neighborhood energy association

Buildings and stakeholders involved through different interventions promoted and supported by the local government.





## 2. ManzaEnergía



[www.manzaenergia.manzanareal.es](http://www.manzaenergia.manzanareal.es)



### 1st phase “Seed Community”:

1. Municipal Energy Office
2. PV installation and battery in the municipal sports centre, app and EV charging point
3. Manza 50/50 programme at the public school

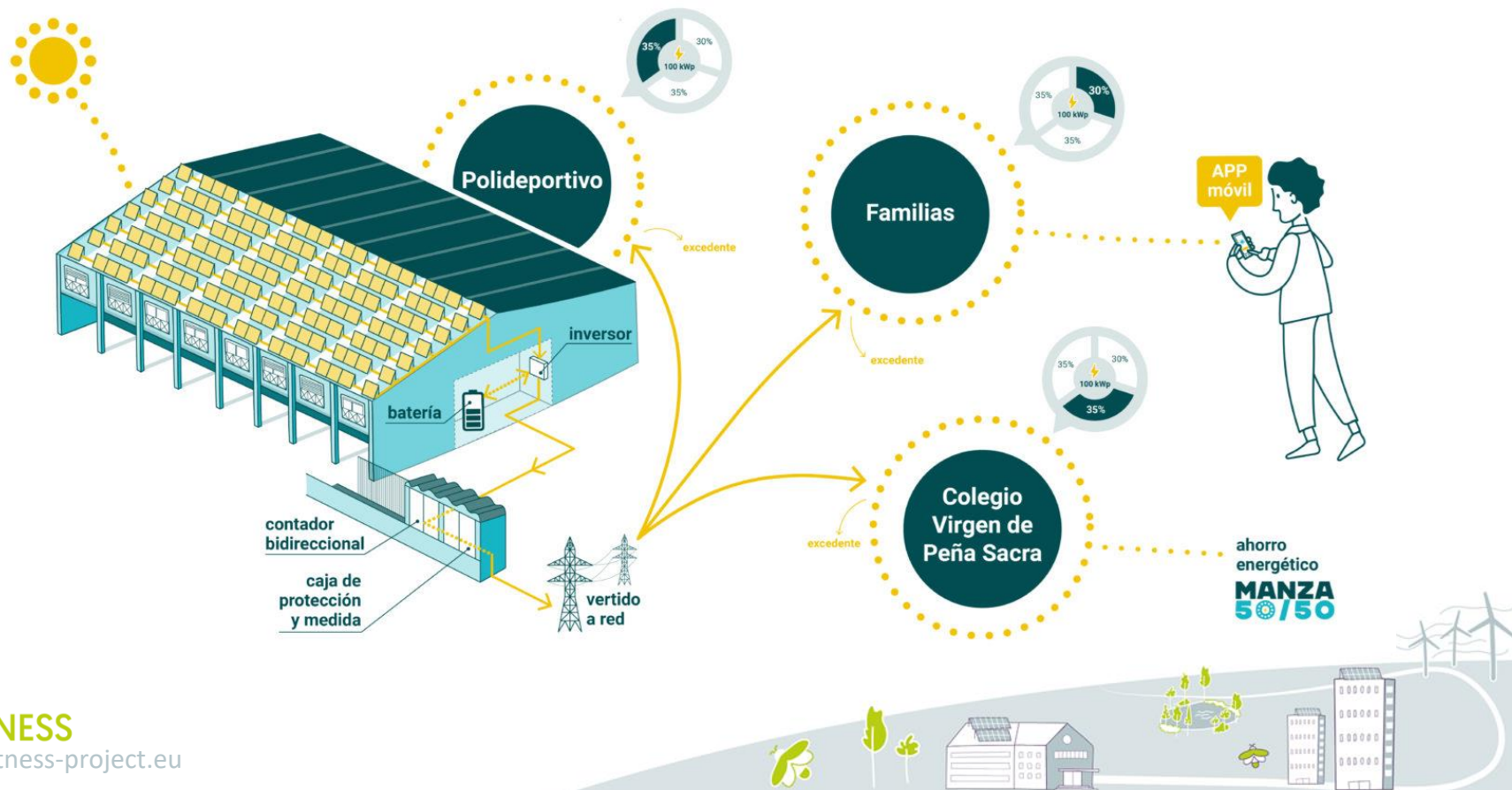
### 2nd phase “Tree Community”:

1. Neighborhood energy association





## 2. ManzaEnergía - *Distribution of energy, and inclusion*



## 2. ManzaEnergía - *Participatory activities: workshops*



Problems and expectations,  
April 2022 (Traza Territorio)



With the community driving group,  
September 2022 (Traza Territorio)



Creating community,  
June 2022 (Traza Territorio)



Energy walk at the public school,  
September 2022 (Traza Territorio)



Preparing the Energy Party,  
September 2022 (Traza Territorio)



## 2. ManzaEnergía - *Participatory activities: the Energy Party*



### 3. The role of the local government

- 1st financial investment to kick-start the creation of the Energy Community
- **Reduction of inequalities** (not addressed by private initiatives) through the inclusion of families in a situation of energy poverty
- Promotion and facilitation of a ***diverse participatory process***, considering age, gender, socioeconomic characteristics, digital and energy literacy, etc.



## 4. Opportunities and limits



### Opportunities

- Local institutions as key enablers of a clean and *fair* energy transition
- Potential to **replicate** this public-community model of Energy Community



### Limits

- Local administrations often have limited financial and human **resources**
- Government changes: will the community take the leadership?
- Inequalities, poverty, energy poverty and climate change need public policies and actions beyond Energy Communities





# Thank You

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[www.lightness-project.eu](http://www.lightness-project.eu)



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