The role of communities and energy citizens for a just and accessible transition
19th of April 2023
**Ènostra model and activities**

- **Production and sale** of renewable, ethical and sustainable energy
- **Realizes new production plants** thanks to the investor members
- **Aims at increasing renewable energy quote** in the national mix and contributing to energy transition involving energy citizens
- **Provides services and solutions for energy saving and self production** for households and SMEs (PV plant, heat pump, thermal insulation, wallbox, etc.)
- **Information service and training** to improve awareness and promote energy saving
- **Activates renewable energy communities and self consumption schemes**
Annually sold electricity 2016-2022 (GWh)

<table>
<thead>
<tr>
<th>Year</th>
<th>GWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>1.3</td>
</tr>
<tr>
<td>2017</td>
<td>4.3</td>
</tr>
<tr>
<td>2018</td>
<td>8.6</td>
</tr>
<tr>
<td>2019</td>
<td>13.9</td>
</tr>
<tr>
<td>2020</td>
<td>20.6</td>
</tr>
<tr>
<td>2021</td>
<td>31.6</td>
</tr>
<tr>
<td>2022</td>
<td>34.5</td>
</tr>
</tbody>
</table>
Selected renewable, sustainable, ethical energy

Number of producer members: **31**
- 30 PV - **1** HYDRO

Installed power: **4,420 kW**

Energy produced: **6,050 MWh/anno**
ÈNOSTRA BUILD NEW RENEWABLE ENERGY PROJECTS THROUGH THE "PRODUCTION FUND" THAT COLLECT INVESTMENTS FROM MEMBERS

Ènostra COLLECTIVE PLANTS: 13
  11 PHOTOVOLTAIC - 2 WIND

Installed power: 1.840 kW

Produced energy: 3.120 MWh/anno

Ready to build projects: 2 (1.839 kW)
Developing projects: 2 (1.300 kW)
Pipeline projects: 4 (2.000 kW)
Number of efficiency and production services 2019-2022

<table>
<thead>
<tr>
<th>Service</th>
<th>N. installations</th>
<th>kWp/kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photovoltaics</td>
<td>105</td>
<td>720 kWp</td>
</tr>
<tr>
<td>Heating pump</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>PV Storage</td>
<td>86</td>
<td>1152 kWh</td>
</tr>
<tr>
<td>Wallbox</td>
<td>32</td>
<td></td>
</tr>
</tbody>
</table>
9th of October 2021
Celebration of connection «Selfproduction is freedom»
Gubbio, Umbria
«Il Cerrone»
900 kW, 2 GWh/year
The Prosumer tariff

Launched in 2021

Reserved to members who invest money in the PRODUCTION FUND for the realization of new collective power plants

Value: electricity is sold at the «production cost» (annually updated)

Concept: investment amount linked to the annual average consumption
Renewable Energy Community: overview of the regulatory process

- **Dicembre 2018**: Articolo 42-bis Decreto Milleproroghe (parziale recepimento Direttiva REDII)
- **Agosto 2020**: Decreto Mise definisce la tariffa premio per l'energia condivisa
- **Dicembre 2020**: DLGS 199/2021 Recepimento integrale della direttiva REDII (in vigore dal 15/12/2021)
- **Novembre 2022**: Delibera ARERA 727 sulle configurazioni di autoconsumo diffuso
- **Febbraio 2023**: Bozza Decreto MASE che definisce i nuovi incentivi per l'energia condivisa

**Direttiva 2018/2001**
Introduce concetto di Comunità Energetica Rinnovabile (CER)

**Delibera ARERA 318**
Sulle partite economiche delle CER

**Regole tecniche**
da parte del GSE

**Consultazione MASE**
Sulla definizione della tariffa premio per l'energia autoconsumata
Main issues of the experimental phase

• REC introduced in Italy in Dec 2019 by art 42-bis Milleproroghe decree

• Only in Dec 2020 the whole set of rules were completed >> experimentation phase finally started

• Juridical subject based on open and voluntary participation, controlled by its members or shareholders located in the proximity of the power plants, detained by the community;

• An aggregation of physical persons, SMEs, local authorities (municipality included) that cannot pursue profit as first aim;

• For private enterprises, their participation cannot be their main commercial and industrial activity;

• The main objective is to deliver environmental, economic and social benefit to its community, to the territory where the community has been developed, rather than profit.
REC projects commissioned to ènostra

Soggetti proponenti:
- Agenda 21 Laghi (VA)
- ARSIAL (RM)
- Comune di Albignasego (PD)
- Comune di Ballao (SU)
- Comune di Biccarì (GC)
- Comune di Bolotana (NU)
- Comune di Brindisi (BR)
- Comune di Melpignano (LE)
- Comune di Ospitaletto (BS)
- Comune di Santeramo in Colle (BA)
- Comune di Sestri Levante (GE)
- Comune di Stella (SV)
- Comune di Sulbiate (MB)
- Comune di Torreberreti e Castellarò (PV)
- Comune di Torre d'isola (PV)
- Comune di Ussaramanna (SU)
- Comune di Villanovaforru (SU)
- Gestione Servizi Desio s.r.l. (MB)
- Municipio Roma VIII (RM)
- Politecnico di Milano (MI)
- Provincia Monza Brianza (MB)
- Terrafelix Soc. Coop. (CE)
- CAB Cervia (RA)
- Cooperativa So L.E. (TN)
- Ecovillaggio Corte del Vento (VI)
- Legacoop Romagna (RA)
- Powersafe srl (RC)
- Save the Children (RM)
- Uniabita Soc. Coop. (MI)
Social objectives

• **Reduce energy bills** and **mitigate fuel poverty**;
• **Increase awareness** of members on energy use;
• **Activate collective actions** and interaction among its members;
• **Create replicable formats** where citizens are main players;
• **Use energy as pretext to engage citizens** on commons and to revitalize local communities;
• **Make energy transition** desirable and affordable;
• **Build mutual benefit relationships** among stakeholders in a win-win strategy;
• **Renewables Energy Communities** can be seen as a reliable mitigation strategy within the SEAPs
• 14th July 2021: **Constituent Assembly** of the juridical subject;
• 62 founding members;
• For the municipality, the REC is recognised as a subject to involve **for local energy policy**;
• Municipality aims at developing a **guidance service** in order to encourage **private energy efficiency investments**, promote **cooperative of community** with the activation of other services.
What is needed to improve and spread (effective) RECs

- Inspiring stories of successful RECs
- Definite and definitive law and rules
- Less time consuming procedures
- Easier access to quarterly consumption data
- Info points at local or regional level to spread best practices, statutes, etc,
- Protection of the rights of members to avoid speculative initiatives
- More accurate job on the role of energy community in order to tackle fuel poverty
THANK YOU!
Sara Capuzzo
President ènostra