

Green energy cooperative

-Experience from Croatia

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About

- → Cooperative based in Zagreb, Croatia
 → Founded in 2013 within UNDP's programme on development of energy cooperatives in Croatia
 → 30 members-experts in energetics, econor environment protection –







→ FOCUS:

Zelena

Energetska Zadruga

- RSE & EE projects aimed at strengthening local communities and involving citizens in the energy transition
- Innovative business models and financing mechanis
 Green recovery & energy transition advocacy
- \rightarrow RESCoop member → EIT Climate-KIC, UNDP, Energy Cities partner

















Citizens should benefit from locally available resources (such as biomass and solar energy) through their own investments or the actions of local energy communities and cooperatives





Community for inovation

- EIT Climate KIC European Knowledge and Innovation Network, the largest public-private partnership network with more than 300 organizations
- Energy cities work with the public sector
- Energy Community Secretariat new regulatory frameworks in the WB and SEE countries
- **REScoop.eu** sharing knowledge and experience for founding energy cooperatives and communities













Solar power plant on public buildings – crowdinvesting



First crowdinvesting project in Croatia: Sunny roofs of Križevci

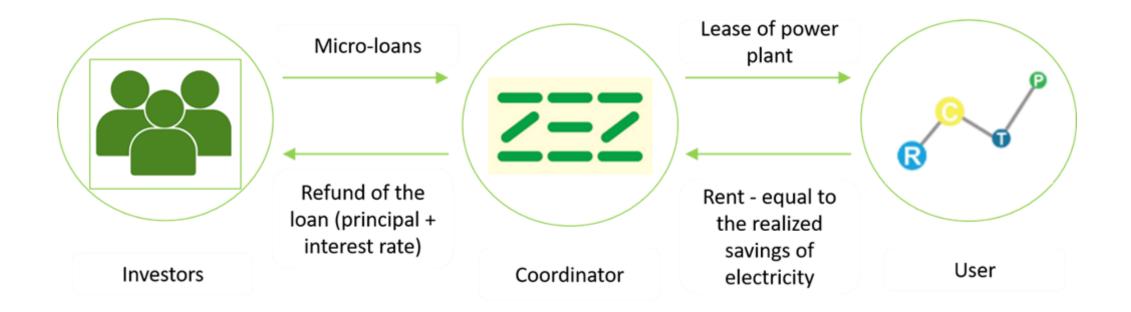
- PV Plant 39,6 kW (RCTP Križevci)
- 230.000 HRK (around 30.000 EUR)
- 4.5% interest rate for investors (10 years)
- ZEZ in cooperation with the City of Križevci
- 50+ citizen investors, funded in 10 days







Business model











City Library (33 kW)

https://www.youtube.com/watch?v=ZniuHoOdnOw&t=

Development and technology park (39,6 kW)





The Accelerator for cities















Solar power plants for households



Solar power plant for households



- Cooperation with the City of Varaždin
- September 2019: Over 270 households applied for getting the subsidy from City
- 100 developed main technical projects as the first step towards the realization of solar power plants.
- 50 applied for the Fund's tender (whereby City of Varaždin took the first place in the application to the Fund of environment and energy efficency at the national level in 2019).
- 30 installed solar power plants on households



Solar power plant for households

April 2020: survey for 250+ citizens (owners of family houses) from various parts of Croatia

- 93% need administrative and technical support in the realization of their own power plant,
- 85% expressed a desire for membership in a local energy cooperative,
- 54% stated that they would be additionally motivated by a subsidy from the local self-government for the preparation of project documentation.



1000 solar power plants



July 2020 - December 2020

SOL₄ALL: "Cities and Jobs Regeneration through Community Led Solarization" **Motivation:**

- 25,000 people lost their jobs shortly after the start of the pandemic (May),
- Croatia is at the bottom of the EU in terms of the use of solar energy: production from all solar power plants in Croatia currently meets 1% of household consumption,
- dependence on energy imports is high, and there is a huge untapped potential.







7=7

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Energy communites



Energy communities

- Workshops for citizens and stakeholders
- Support in establishing the energy communities/cooperative (legal and administrative support)
- Identifying and implementation the project pilot (technical and economic support)
- Established cooperative:
- KLIK (Croatia)
- Šabac Solar Roofs (Serbia)
- Working with local communities in Croatia (City Prelog), North Macedonia, B&H





Thank you 😳

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