



Community Energy for Energy Solidarity (CEES)

EAS Conference November 2023



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ENERGY SOLIDARITY

CEES aims

to **validate energy community (EC) actions** that uphold **energy solidarity** and **alleviate energy poverty**.



CEES has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101026972.



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Three interrelated themes (1/3)

Energy poverty

The situation in which households are unable to access affordable **'energy services'** that underpin elements of **'human flourishing'**.



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Three interrelated themes (2/3)

Energy communities

Collectives that support equitable, democratic and fair transitions towards more **local, sustainable and efficient energy systems.**



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Three interrelated themes (3/3)

Energy solidarity

Engage with people in energy poverty

Raise awareness of why it exists and its impacts

Lead equitable and fair clean energy transitions

Anchor broader community relationships

Create EC networks for energy solidarity



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Two streams of action

SURVEY

PILOT

EVALUATE

DEPLOY

IDENTIFY

ENGAGE

ACT

SUPPORT

MEASURE

Research & evaluation

SURVEY what ECs currently do

PILOT mechanisms across partners

ASSESS effectiveness of pilots

DEPLOY effective measures through

Energy Solidarity Toolkit

Five areas of interest

IDENTIFY who is vulnerable to / affected by energy poverty

ENGAGE find ways to engage households & stakeholders

ACT to alleviate energy poverty, hard / soft measures

SUPPORT actions through financing / legal frameworks

MEASURE the impact of actions / engagement



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The Consortium



UNIVERSITY OF BIRMINGHAM



RESCOOP.EU

ENACT
the ENERGY ACTION project



SNAP!



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Pilot existing measures in other contexts

IDENTIFY
ENGAGE
ACT
SUPPORT
MEASURE

Each Partner agrees to

- **implement at least one mechanism** that fills a gap in existing programme
- **monitor and evaluate** opportunities and challenges
- **measure impacts** for people in energy poverty



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Enercoop / Énergie Solidaire • Financing schemes

- **SUPPORT:** finance action against energy poverty by
 - collecting micro-donations from on energy bills
 - directing value of surplus energy donations

PILOT

- **IDENTIFY:** which vulnerable customers
- **ACT:** train employees to assist customers
- **ENGAGE:** with other entities that offer programmes customers could access
- Inspired by **ALenergy, Repowering London**



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Repowering London • Community engagement

- **ENGAGE:**
- **Diverse actors** to leverage services and financing available in community
- **Vulnerable households** to boost energy know-how and empower them as agents of change

PILOT

- **SUPPORT:** add micro-donations, energy surplus and other models as potential funding schemes
- Inspired by **énergie solidaire / enercoop**



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ALenergy • Affordable warmth

- **IDENTIFY:** professional targeting linked to 'life' moments
- **ACT:** advice, home visits/training, behavioral change, energy savings kits
- **ENGAGE:** Referrals network

PILOT

- **SUPPORT:** to boost financial security, implement micro-donation and fundraising mechanisms
- Inspired by **enercoop / énergie solidaire, Repowering London**



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ZEZ • Investor / actor engagement

- **ENGAGE:**
- **Investors** keen to advance a just, clean energy transition
- **Local entities** ready to tackle energy poverty

PILOT

- **IDENTIFY:** vulnerable households
- **ACT:** train young people as energy advisors to visit home and implement energy efficiency kits
- **SUPPORT:** implement micro-donations
- Inspired by **énergie solidaire / enercoop**



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Les 7 Vents • Shared, supported self-renovation

- **IDENTIFY:** vulnerable households
- **ACT:** hard / soft measures to improve efficiency; boost energy know-how
- **ENGAGE:** diverse actors and build community among people

PILOT

- **SUPPORT:** to scale-up 3SR approach, test new funding strategies to engage more actors
- Inspired by **ALenergy, Repowering London, énergie solidaire / enercoop**



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Coopérnico • Cooperative loans

SUPPORT: low-interest lending of capital for RES*

- to cooperatives to install PV on roofs of charities
- other members for RES for self-consumption or energy efficiency measures

* RES = renewable energy sources

PILOT

- **IDENTIFY:** vulnerable households
- **ACT:** build knowledge through energy cafes, implement simple measures
- **FUND:** seek partners to finance activities
- Inspired by **ZEZ, Les 7 Vents**



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Stream 2

Demonstrate efficacy of measures to alleviate energy poverty

**SURVEY
PILOT
ASSESS
DEPLOY**

Across CEES timeframe, **University of Birmingham** and **Rescoop** will help Partners find ways to

- confirm measures implemented are effective
- warrant being scaled up / adapted to different contexts



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SURVEY • Who is doing what?

Fall 2021

Asked ECs across Europe about current efforts to tackle energy poverty

100 responses

87% already address energy poverty or would like to

15 selected for in-depth investigation / evaluation for suitability to include in **Energy Solidarity Toolkit**



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PILOT • Develop ways to monitor / evaluate

2022-23

Define frameworks to measure degree to which pilots

- **fill gaps** in existing programmes
- **build up** new areas of expertise
- **need to be adapted** to local contexts
- **support energy solidarity more broadly.**



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EVALUATE • Did pilots achieve stated goals?

2023

Assess if new mechanisms

- **reduced energy poverty** and achieved other objectives
- **boosted energy solidarity** by enhancing health, education, social participation, etc.
- **taking account** of diversity of populations and contexts
- **seeking to identify** barriers that hampered implementation



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DEPLOY • Promote uptake of proven measures

2023-25

Learnings from **survey, pilot and assess** will inform the **Energy Solidarity Toolkit**.

To empower ECs, Toolkit will include proven mechanisms across the scope of:

IDENTIFY • ENGAGE • ACT • SUPPORT • MEASURE



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