

From setting up energy communities to making them thrive:
WHAT ARE THE TOOLS AVAILABLE?

Session 3: Let's act

Get people involved and grow





Energy poverty mitigation toolkit



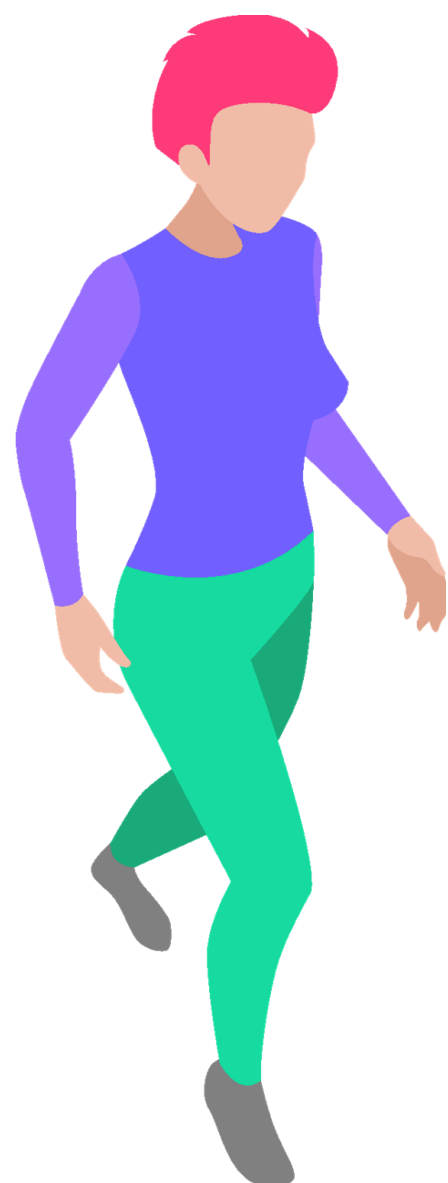
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Ready

POWERPOOR PROJECT

<https://powerpoor.eu/>



POWER - TARGET

Target energy poor citizens using a data driven approach that allows for the identification of energy poor citizens and communities



POWER - ACT

Empower energy poor citizens to understand their energy usage, the benefits associated with implementing energy efficiency interventions and with installing renewable energy sources.



POWER - FUND

Communicate joint energy initiatives and innovative financing opportunities to address energy poverty

- ✓ Uses quantitative and qualitative analyses
- ✓ User-friendly, can be used by all interested stakeholders,
- ✓ Input: Energy consumption (electricity and heating), annual income,
- ✓ Output: A classification indicating the energy poor and those at risk of energy poverty.



Available



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POWERPOOR PROJECT

<https://powerpoor.eu/>



POWER TARGET



POWER ACT



POWER FUND



Limitations

- ✓ Uses an enhanced 10% indicator – includes qualitative indicators

Future developments

- ✓ To customise for different countries across EU – incorporate more characteristics





POWERPOOR PROJECT

<https://powerpoor.eu/>



POWERPOORtoolkit

HomeAboutToolsContactWelcome, ekanellou@epu.ntua.gr

Home / PowerTarget / Survey

Personal Details

Country

Greece

City

Athens

Income Information

Annual Income*

Enter annual income

€

Age*

Enter your age

Number of dependent children*

Enter number of dependent children

Marital status*

Select marital status

Electricity Consumption

☐ I only use electricity to heat/cool my house

Select building

ID	39
Place	Greece, Athens
Details	60.0m², Apartment

Choose

Property Size (m²)*

Enter property size (m²)

m²

Energy Supplier

Enter energy supplier

Annual Consumption (kWh)*

Enter annual consumption (kWh)

kWh

Annual Cost of Electricity Bill*

Enter annual cost of electricity bill

☐ I do not use thermostat

My air conditioning thermostat is set at:

In winter:

Degrees

Celsius

In summer:

Degrees

Celsu

Heat Consumption

Heating fuel

Select heating fuel

Annual Consumption

Enter annual consumption

Annual Cost of Heating Bill

Enter annual cost of heating bill

€

My thermal comfort during winter is*

Select thermal comfort

* Mandatory fields

Submit

POWERPOORtoolkit

HomeAboutToolsContactWelcome, ekanellou@epu.ntua.gr

Home / PowerTarget / Survey / Results

Results

Red classification

94.44%

Your energy spending is critically high. You could greatly improve your living standard by participating in support actions to reduce your spending.

Proposed Actions

POWERACT

Apply best practices to decrease energy consumption

POWERFUND

Join an Energy Community as protected member

Programs to improve energy efficiency of your home



Available



Ready



E-Market Platform



Available



Ready



BECOOP PROJECT

BECOOP-PROJECT.EU

E-MARKET PLATFORM

- ❖ Are you planning to establish a new energy community? Do you already own one but need to widen your contact network? **The eMarket environment can help you!**
- ❖ Is this made for you? If you are involved in bioenergy communities in local areas in a European level, then it is!
- ❖ What do you need? Only registration is needed, and it's free!
- ❖ What can you obtain from its use?
 - You will find stakeholders that can complement your activities or provide solutions
 - You will be able to establish new contacts and collaborations



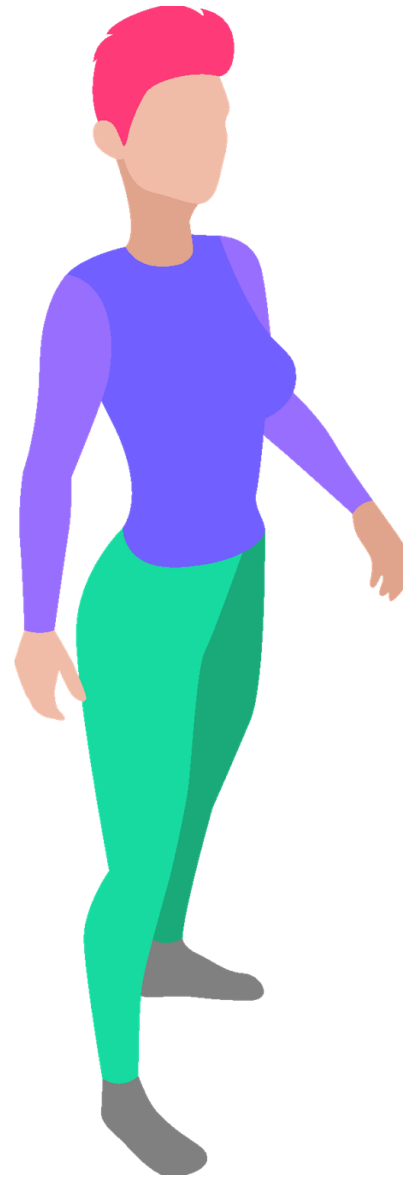
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BECOOOP PROJECT
BECOOOP-PROJECT.EU



E-MARKET PLATFORM

- ❖ It offers the user a virtual environment for biomass heating and supply chains.
- ❖ You can post your offers or necessities and the system will suggest existing entries that best fit them.
- ❖ You can upload all the posts you want.
- ❖ You can contact other participants by direct messaging.
- ❖ In the following months, it will include a visual explanation of the interactions needed by stakeholders.
- ❖ This tool is under development, any feedback to improve the functionality of the tool is very welcome.



This tool supports stakeholders when developing a community bioenergy project and defining the required services and activities for supporting their own cases.

Here, you will be able to identify other stakeholders to contact to carry out your project, see the experience of others and similar initiatives, etc.

The e-market environment connects supply chain stakeholders to support the creation and operation of new and existing energy communities.

Login E-Market

☐ Remember me

Available









Ready



- ❖ Example: Andrea wants to develop a community energy based on district heating in Zaragoza (Spain), but she needs to find out ESCOs and biomass suppliers.



 e-Market
  Suggestions
  Messages
  Mayte ▾
  Contact Us
  Disconnect





e-Market Environment

[+ Add entry](#)

My Entry List

+ Add entry

Search:

Id	Date	Type	Name of the offer	Messages	Start/Pause	Edit	Delete
13	2021-12-20	Offer	[TEST] Offer forest biomass quality analysis				

Showing 1 to 1 of 1 entries

Previous

1

Next

Filter

We are committed to greater use of biomass for energy purposes

📅 2021-10-04 - 📌 Need

We are specialised in the study of new logistic chains that allow the creation of new lines of business around biomass as energy generation, covering the potential of available materials and waste, their treatment and adaptation and all the logistics...

📍 Mapaya inline

📍 Calle Pedro Arnal Cervero 30

[More information](#)

Need

Filter

Establishing cooperation

📅 2021-10-05 - 📌 Offer

Main directions of activity: - automation of energy and industrial facilities, - automation of technological processes and dispatch centers. The scope of work includes: - research and development and design works, - deliveries of hardware and software...

📍 Mapaya inline

📍 Calle Pedro Arnal Cervero 30

[More information](#)

Offer

Add Entry 3

In this section you can register a need or an offer, so that others can help you find a solution.

The better you describe your necessity in the past, the easier will be for others to understand your situation, so we recommend you to be accurate. This way, the answers you will receive will be more appropriate to your situation.

Description 3

Type

Offer
▼

Date

dd/mm/yyyy
📅

Active

Yes
▼

Offer name

Offer description

☒ Receive notifications by email.

Area of action 3

All of them

<input type="checkbox"/> Austria	<input type="checkbox"/> Croatia	<input type="checkbox"/> Greece	<input type="checkbox"/> Latvia	<input type="checkbox"/> Hungary	<input type="checkbox"/> Italy
<input type="checkbox"/> Belgium	<input type="checkbox"/> Denmark	<input type="checkbox"/> France	<input type="checkbox"/> Portugal	<input type="checkbox"/> Malta	<input type="checkbox"/> Slovenia
<input type="checkbox"/> Estonia	<input type="checkbox"/> Cyprus	<input type="checkbox"/> Germany	<input type="checkbox"/> Ireland	<input type="checkbox"/> Lithuania	<input type="checkbox"/> Netherlands
<input type="checkbox"/> Romania	<input type="checkbox"/> Spain	<input type="checkbox"/> Bulgaria	<input type="checkbox"/> Czech Republic	<input type="checkbox"/> Finland	<input type="checkbox"/> Luxembourg
<input type="checkbox"/> Poland	<input type="checkbox"/> Slovakia	<input type="checkbox"/> Sweden			

Type of stakeholder 3

<input type="checkbox"/> Biomass owners	<input type="checkbox"/> Biomass Management companies	<input type="checkbox"/> Equipment manufacturers
<input type="checkbox"/> ESCOs and installers	<input type="checkbox"/> Cooperatives / Energy communities / RES-Coops	<input type="checkbox"/> Investors
<input type="checkbox"/> Research Centers / Universities	<input type="checkbox"/> Public institutions	<input type="checkbox"/> End Users (as consumers of bioenergy)

Categories 3

<input type="checkbox"/> Biomass products	<input type="checkbox"/> Technical support services	<input type="checkbox"/> Logistics / supply chain activities or advice
<input type="checkbox"/> Business plans / management activities	<input type="checkbox"/> Financial advice or activities	<input type="checkbox"/> Final consumer advice
<input type="checkbox"/> Bioenergy		

Filter

Type

☐ Offer ☐ Need

Area of action

☐ Austria ☐ Croatia ☐ Greece ☐ Latvia ☐ Hungary ☐ Italy

☐ Belgium ☐ Denmark ☐ France ☐ Portugal ☐ Malta ☐ Slovenia

☐ Estonia ☐ Cyprus ☐ Germany ☐ Ireland ☐ Lithuania ☐ Netherlands

☐ Romania ☐ Spain ☐ Bulgaria ☐ Czech Republic ☐ Finland ☐ Luxembourg

☐ Poland ☐ Slovakia ☐ Sweden

Type of stakeholder

☐ Biomass owners ☐ Biomass Management companies ☐ Equipment manufacturers

☐ ESCOs and installers ☐ Cooperatives / Energy communities / RESCOops ☐ Investors

☐ Research Centers / Universities ☐ Public institutions ☐ End Users (as consumers of bioenergy)

Categories

☐ Biomass products ☐ Technical support services ☐ Logistics / supply chain activities or advise

☐ Business plans / management activities ☐ Financial advice or activities ☐ Final consumer advice

☐ Bioenergy

Search



Available



Ready



Knowledge Exchange Platform



Available



Ready



- **One-stop-shop** lifting collaboration barriers across regions and sectors and minimising costs thanks to information sharing and knowledge exchange.
- **Pan European** with a focus in Spain, Italy, Poland and Greece
- Other RESCoops, community initiatives, municipalities, RE and bioenergy industry actors, investors
- Registration for some tools and forum
- **Repository of knowledge, tools and services** in the field of community bioenergy heating
- **Observatory/atlas** of bioenergy community cases
- Digital space for **fostering cross-regional networking, dialogue and knowledge exchange** among community bioenergy actors.





e-Market Environment

E-market environment - aims to develop community bioenergy projects (connecting multiple biomass providers, organise billing, etc.) and defining the required services and activities for supporting their own cases.

[e-Market](#)


Self-assessment Tool

Assessment tool - provides an evaluation methodology and tool along with a set of indicators, metrics and definitions for assessing the current status and future potential of a community endeavour regarding community bioenergy.

[Load Resources Intro](#)


Toolkit

Toolkit - an online repository of existing open source tools that can complement the support services that are required during the entire community bioenergy project deployment process.

[See the toolkit ...](#)


Available

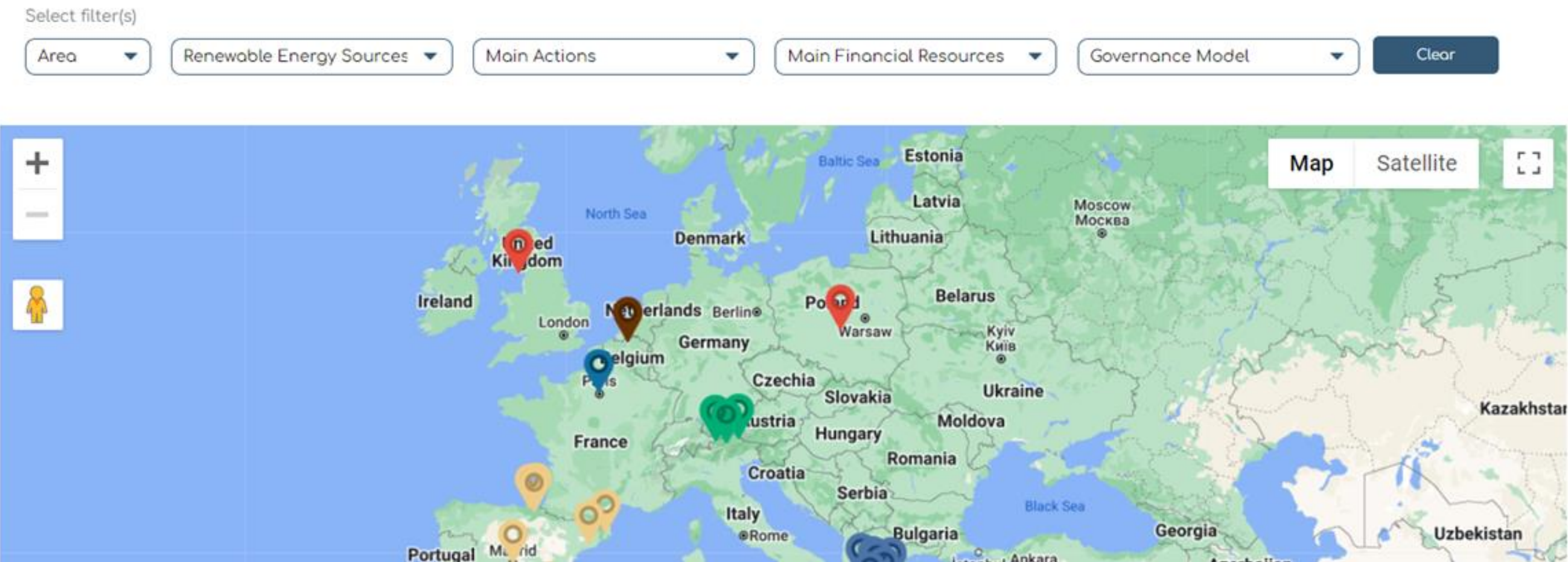


Ready

Bioenergy Community cases

Register a new Bioenergy Community

... act as an observatory/atlas of RESCoops active in the field of bioenergy as well as with potential to include bioenergy including technologies, service providers and other useful information.



Available



Ready

BECoop - Knowledge Exchange Platform Forum

Unread Posts

THEMATIC GROUPS		Last Post Info
	Community Energy Building Topics: 0 Posts: 0	Forum is empty
	Bioenergy Technologies Topics: 0 Posts: 0	Forum is empty
	Biomass Supply Chains Topics: 0 Posts: 0	Forum is empty
	Financing schemes options Topics: 0 Posts: 0	Forum is empty
	Business Models Topics: 0 Posts: 0	Forum is empty
	Policy Making	



Available



Ready



Energy Community vision game



Available



Ready



DECIDE PROJECT
DECIDE4ENERGY.EU



*What can I use
this game for?*

Energy community vision game



0% completed

Pause to continue later



Our energy transition will be most successful *together*.

Citizens can sell each other energy or participate together in energy communities.

Show us your vision of the energy transition below!

① Instructions

Select and group together those elements that represent your energy transition. Icons closer to the center are more important to you.

① **How?** Drag and drop the icon onto the target. Reposition an icon by click'n-holding its center and dragging it to the desired location. Delete an icon by clicking on it.

With whom?

Neighbours



Clubs/organizations



My religious community

How would you participate?

Initiator



Producer/prosumer



Do what?

Solar in open spaces



Biomass



Building repairs



Why are you in?

Learn new things



Fight climate change



Social community



Available

Ready



Energy community vision game

DECIDE PROJECT





DECIDE4ENERGY.EU



Target users = citizens, local stakeholders, community members

Key output = community vision: discussion & decision-making

Visualization & prioritization of:

- Different actors: With whom? 
- Roles: How would you participate? 
- Motivators: Why are you in? 
- Implementations: What do you do? 



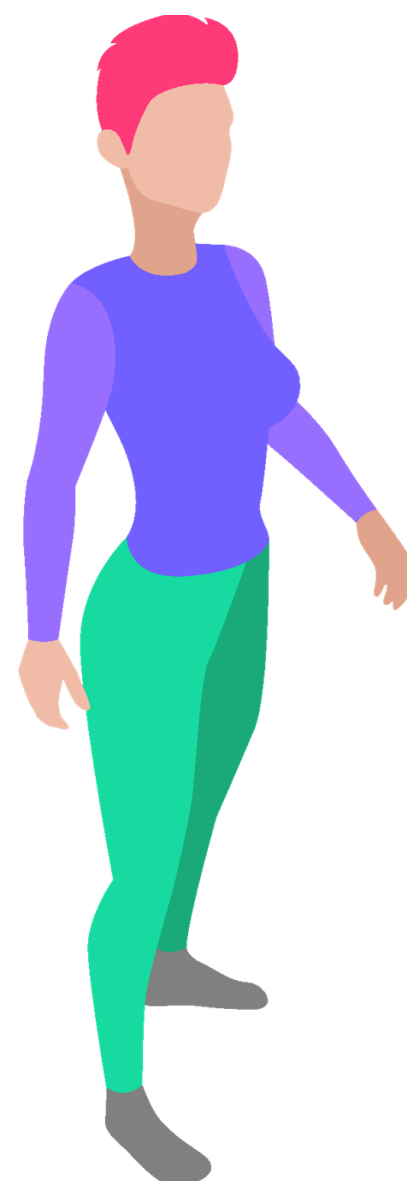
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DECIDE PROJECT
DECIDE4ENERGY.EU



Energy community vision game

BENEFITS

- low-threshold first steps
- visualized results
- discussion prompt
- fun! 🎮 both online & offline



LIMITATIONS

- individual -> compare & discuss to make it a collective action
- Context-dependent



FUTURE DEVELOPMENTS

- Agile replicable & extendable
- Evaluation possible
- Source code available via DECIDE



*mainly
for
research*



Available



Ready



Gender capacity building program



Available



Ready



CAPACITY BUILDING PROGRAM

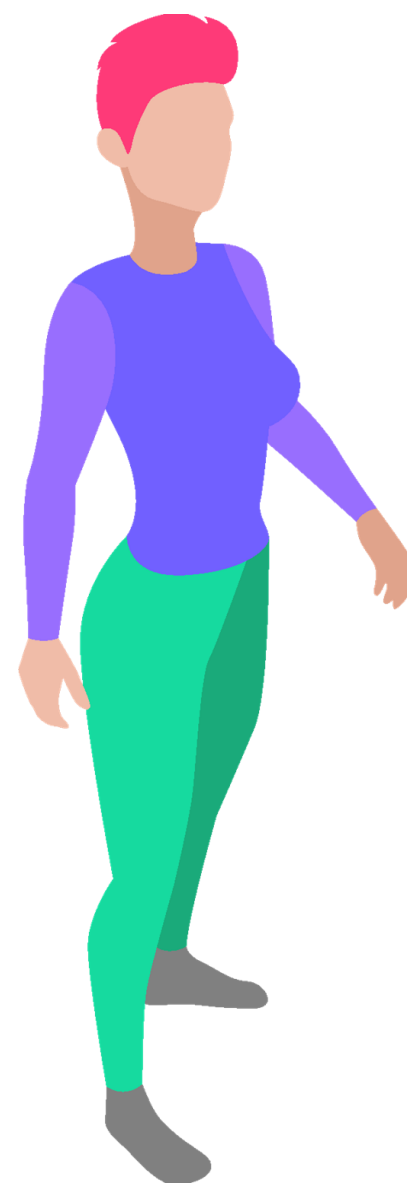
- **Goal:** Capacity building on women empowerment in the RHC sector, include gender in business model
- **Target user:** Private sector (energy communities, companies, utilities, etc.), decision-makers
- **Scope:** Seminars: Regional focus in 8 countries (*Belgium, Bulgaria, Denmark, Germany, Greece, Italy, Norway, and Slovakia*)
Webinars: International focus
- **Inputs needed:** Experience sharing, barriers faced in the sector
- **Key outputs:** Capacity building, skills strengthening, training package to bring home (a step-by-step toolkit on how to build a gender-just energy company, glossary, FAQ, Gender Action Plan)



Available



Ready



CAPACTIY BUILDING PROGRAM

- **Limitations of the tool:** Partner countries for our seminars, Private sector and decision-makers
- **Future development directions:** Implementation of gender tools and instruments (e.g., gender indicators, gender-just communication, etc.)and gender action plan within workplaces, development of gender-just policies



Available



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CAPACTIY BUILDING PROGRAM

- **The role of Andrea:** Participate in seminars and webinars to strengthen her skills, share knowledge and experience
- **What she is looking for and what is she getting from the tool:** Improve gender equality in her community. Knowledge on gender inequalities in the sector, solutions, benefits, real life successes examples
- **How can this be used for the community energy initiative:** Implement gender tools and instruments within the community (e.g. indicators, policies and programs, gender-just communication), gender action plan



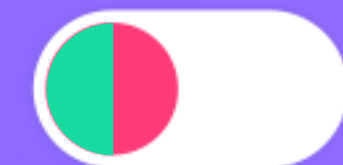
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The Business model tool



Available



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What do I need?



Useful tools for Andrea (PV-owner/consumer):

- Enablers and Barriers
- Digital Platform – virtual community - user app guide
- Split incentive scheme
- Best practices and lessons learned
- PV-installment savings and self consumption assessment
- Engagement and network report
- Exchange and Follower Community Events



Useful tools for CAE (energy utility):

- White Book Compendium – Business Model declaration
- CEO Handbook
- KPIs for community progress and measurement
- Best practices and lessons learned



Read



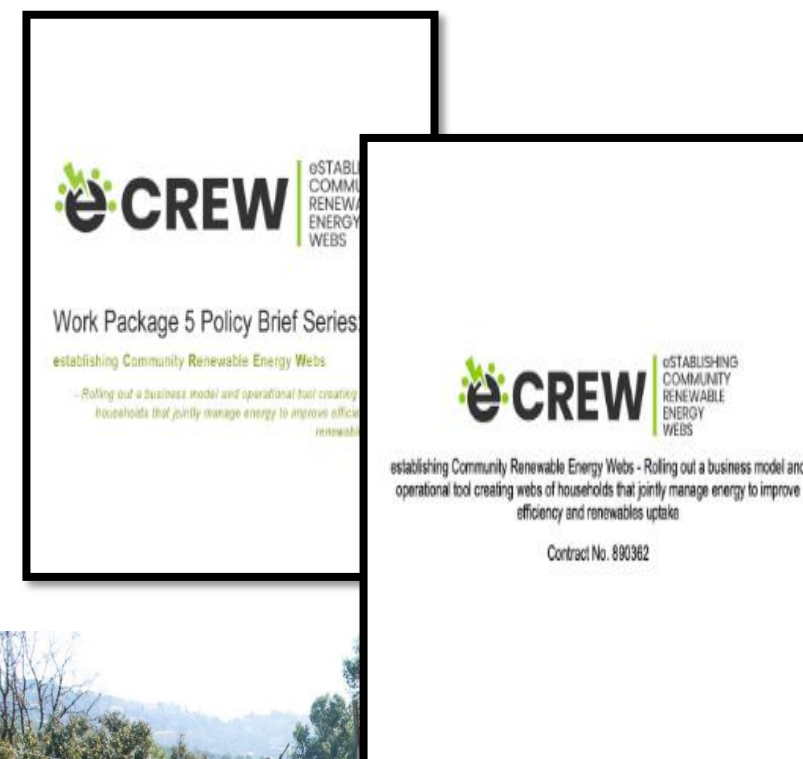
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What do I
need?

The way to go – eCREW tool box:

How can eCREW be used for the community energy initiative?

- As a governance and management solution
- As digital support instrument
- As business model to aim for



Read



Available



Energy Citizenship Academy



Available



Ready



EC2 - Energy Citizenship and Energy Communities for a Clean Energy Transition

EC2PROJECT.EU



Energy Citizenship Academy *(working title)*

Become part of the energy citizenship movement

Create people-centric and inclusive energy initiatives, and improve the existing ones



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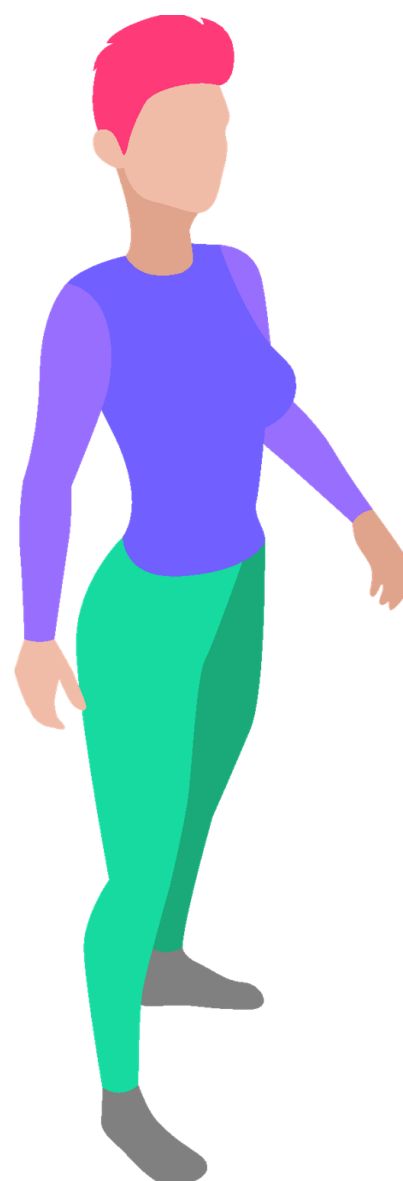


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EC2 - Energy Citizenship and Energy Communities for a Clean Energy Transition

EC2PROJECT.EU



Energy Citizenship Academy (*working title*)

Build your capacity as a people-centred energy actor!

- For community energy actors (incl. energy communities), local & national authorities, NGOs, CSOs, engaged citizens, renewable energy industry...
- Actors in Europe and beyond (incl. coal transition regions)
- Basic modules: self-paced online training using a multimethod approach
- Advanced modules: interactive exchange with the learning community (incl. “hackathons”)

Current status: Development of the curriculum

- Conducting a needs assessment with the stakeholders (“what is needed?”) and sister projects (“what is already out there?”)
- Launch in April 2023



Available



Ready



EC2 - Energy Citizenship and Energy Communities for a Clean Energy Transition

[EC2PROJECT.EU](https://ec2project.eu)



Energy Citizenship Academy (*working title*)

After signing up for the Energy Citizenship Academy, Andrea will...

- learn how to create people-centred energy initiatives that respond to everyone's needs and aspirations.
- understand the barriers that they face on their energy citizenship journey and how to overcome them (applying co-created digital tools).
- gain access to an international learning community, meeting and collaborating with other people-centered energy actors.

Stay updated!

Subscribe to our newsletter (ec2project.eu/newsletter) or find us on LinkedIn/Twitter/Instagram!



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