



Liège's project of «Inclusive and Solidary Citizens' Energy Community»

Solutions integrator to fight & prevent energy poverty



23 **2024** 13:00
APRIL 17:00
Parc de la Boverie,
4020 Liège, Belgium

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City of Liège (BE)

200,000 inhabitants

109,000 housings

25% vulnerable households

35 % beneficiaries of social helps



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the European Union

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Main target-groups inside Liège population:

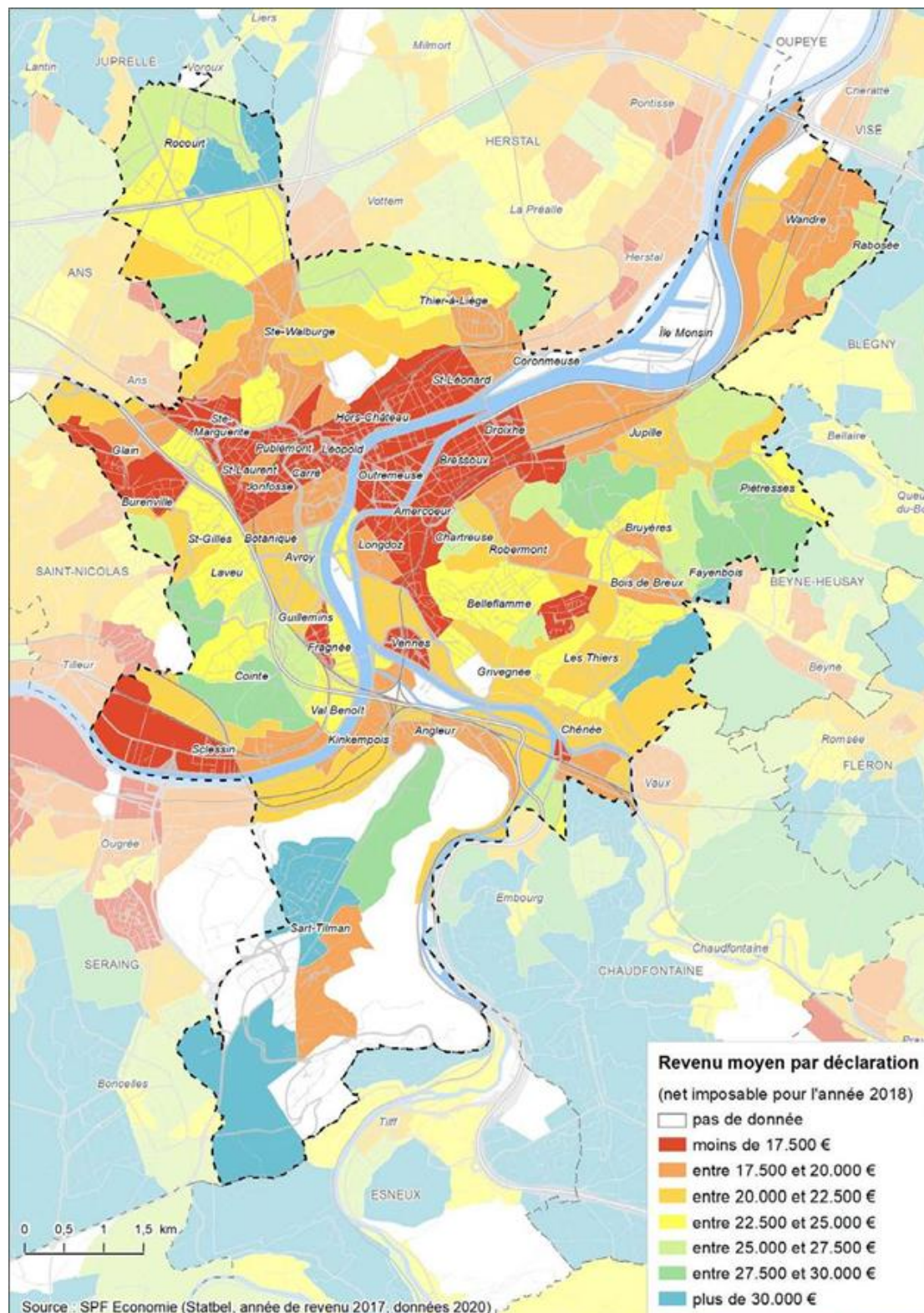
- Low-income households – 40,000 pers
- Elderly people (18% – 36,000 pers over 65 y.o.)
- Single persons households (53 % - 55,000 households)
- Tenants (45% of households – ¼ public / ¾ private)
- Condominiums (30% of Households – 25% of population)
- Housing located in the Protected Heritage Areas (?)
- Single parent families (10,3% W + 1,9% M = 12,2%)
- Disabled persons (?);
- New comers or migrants (+/-1,700 pers/year);
- Joungh households accessing to a first housing (?);
- Homeless people in housing reinsertion process (?);
- ...



Low-income households
Liège situation compared to
the surrounding
municipalities

The city concentrates jobs
and activities but also
poverty

A strong network of social
stakeholders is active –
public / associative



Baromètre de la précarité énergétique

Analyse et interprétation des résultats 2021

Statistics:

- National Energy Poverty Rate: 20.6%
- Most vulnerable groups:
 - Tenants / Condominiums
 - Elderly
 - Women / single parent households
 - New Comers / Migrants

New publication: 15 April 2024



Projets menés
par les CPAS pour
prévenir la précarité
énergétique

Energy Quality of the housing stock (parc immobilier)

For Liège (May 2017):

32.000
BEP
Certificates (House energy rating HER)

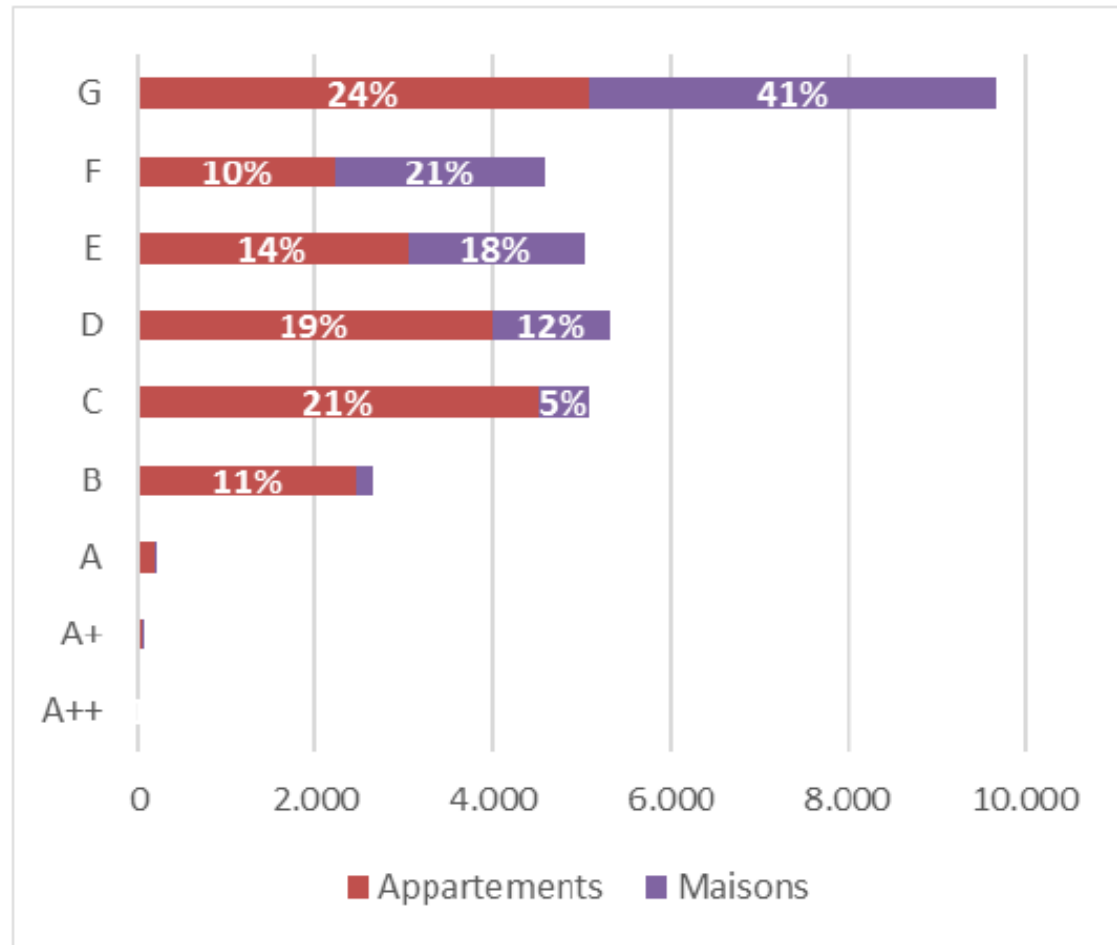
Classes EFG = bad
 -48% / Apartments
 -81% / Houses
Classes BCD = medium
 -51% / Apartments
 -19% / Houses

Source: Study Energ'Ethic – ULB

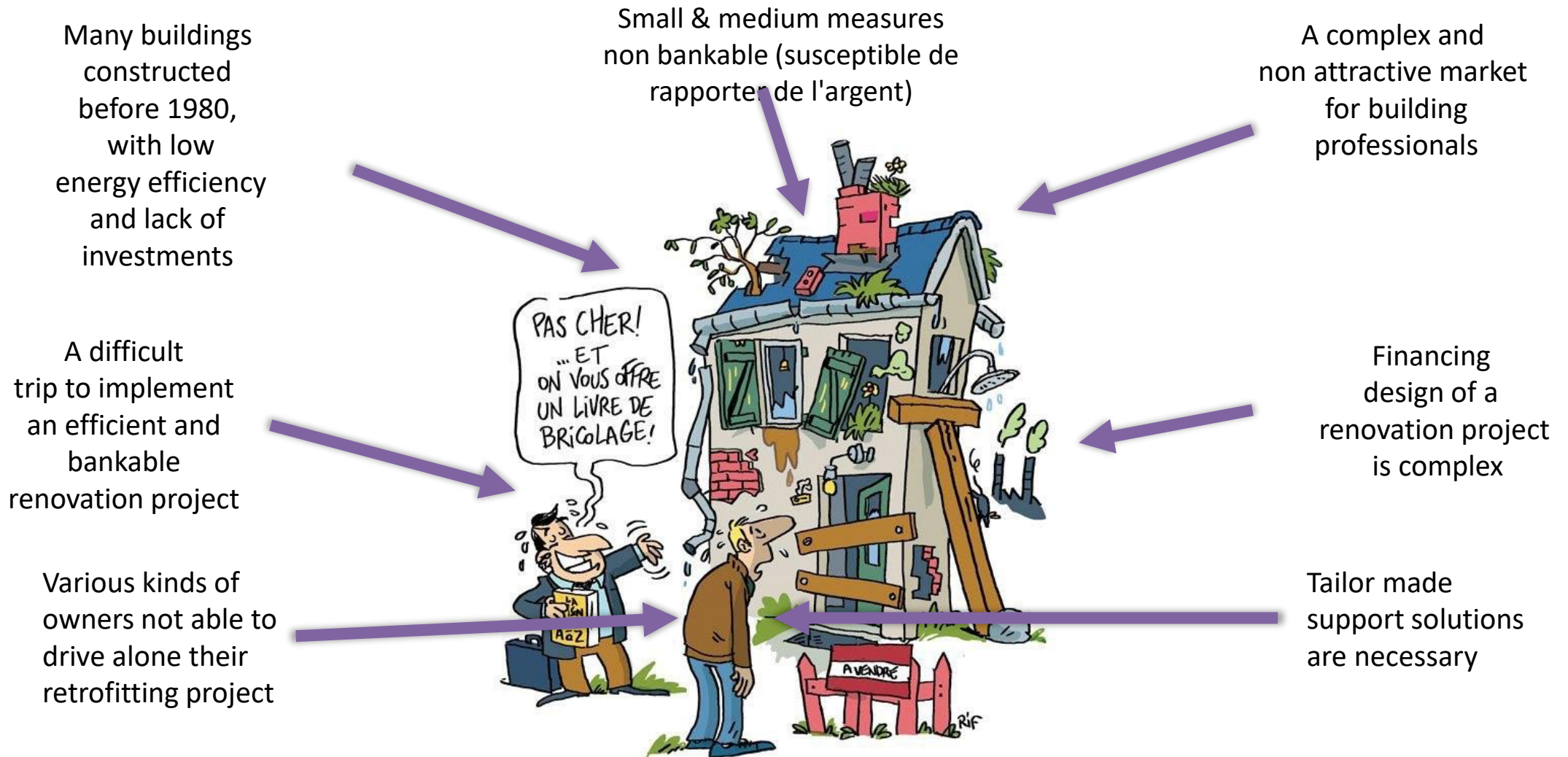
Data Base RW / DGO4
 Certif. BEP 2017



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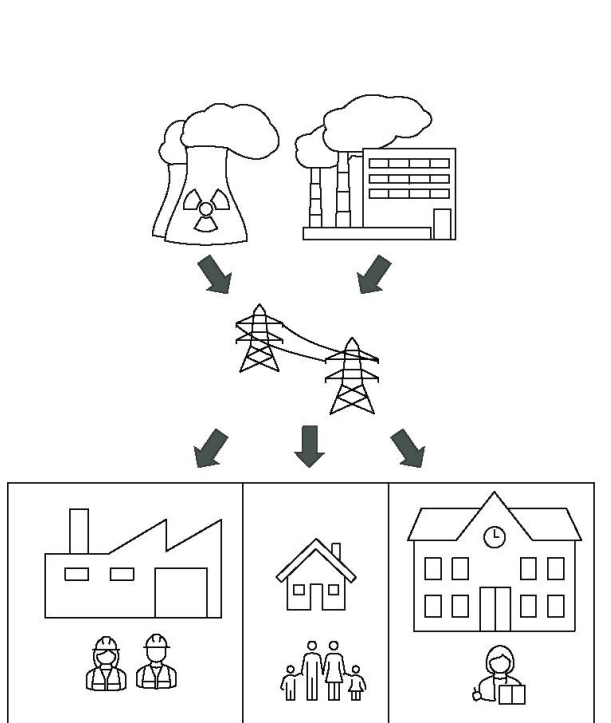


Energy Communities as inclusive solution integrators to fight & prevent energy poverty

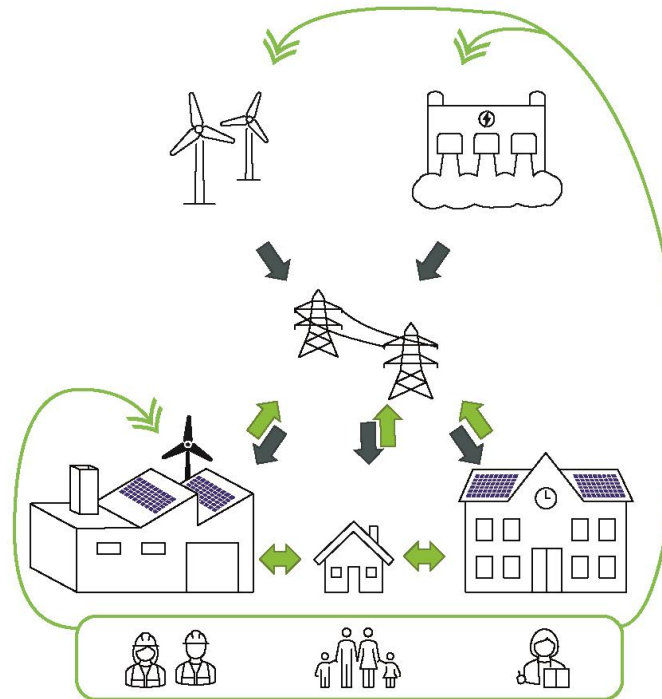


Energy Communities

Change of the EU Energy Paradygm



From a centralised production with passive consumers model



To a decentralised production with active producers&consumers

Principle:

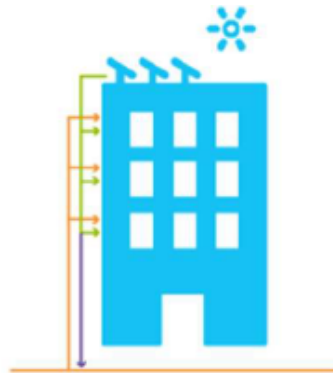
- Collective RE production
- Sharing between the community members.

Important potentialities:

- Condominiums
- Neighbourhoods
- Economic activity areas
- Mix of all

Energy Communities & Energy Sharing

Collective
Self-Consumption:
Energy Sharing
inside a single
building



Renewable Energy
Community (REC):
Energy Sharing at a
limited area scale

Peer-to-Peer
Energy Exchange



**Citizens' Energy
Community (CEC):**
- Energy Sharing
without limit
- additional activities

Overall approach to achieve the challenges

Prioritising essential needs in individual and collective energy usage, through **sufficiency** actions (suppressing energy waste, limiting urban sprawl, promoting alternatives to cars, reducing packaging, etc.);

Diminishing the amount of energy used to satisfy these needs, through **energy efficiency** (deep building renovations, increasing the performance of appliances and vehicles, etc.);

Favouring renewable energies due to their low impacts on the environment and inexhaustibility – they are flow energies compared to stock energies that can be depleted such as coal, oil, fossil gas, and uranium.



The négaWatt approach[®]

Energy Community as an Integrated Cooperation Ecosystem

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Behaviour change
&
Capacity Building



Energy
Retrofitting
Platform

Administrative
Technical
Financial
Assistance



Special Purpose Vehicle

Bricobus:
at home small-medium
repairs/measurements



Local Energy
Communities for
Collective RE
production and
sharing

3 main pilot-activities / Reinforcing civil society's solidarity mechanisms

BricoBus initiative



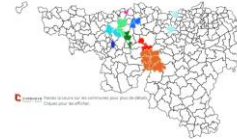
Energy Retrofitting Platform



« Vous accompagner dans vos travaux de rénovation énergétique »



« Ensemble, colorions la carte des communes engagées dans la rénovation du bâti »



Corenove: Coopérer - Rénover

Corenove est un consortium qui regroupe des citoyens, des entreprises, des collectivités locales et des professionnels du bâtiment pour agir ensemble en faveur de la rénovation énergétique et de la transition écologique.

Les actions sont financées par le programme de coopération Interreg Nord-Ouest de l'Union européenne.



Energy Communities



Energy Communities acting as inclusive solutions integrators

Plymouth Energy Community



**Experience
From the
INTERREG VB NWE 102
CAN
« Climate Active
Neighbourhoods »**



IT'S ALL ABOUT PEOPLE POWER

Empowering our community to create a fair, affordable, zero carbon energy system with local people at its heart

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RESIDENTS



BUSINESS



COMMUNITY

≡ Brest – Bricobus solidaire par les compagnons bâtisseurs



Quoi ?

Petites réparations : luminaires, portes, prises électriques, joints, chasses d'eau, vitrerie, ventilation, etc.

Pour qui ?

Pour les personnes à faibles revenus, non imposables...

Comment ?

La fiche prescription doit être remplie par un travailleur social ou une structure ou association et envoyée par mail.

- [Fiche de demande d'intervention de Bricobus solidaire 2020](#)
- [Mode d'emploi de Bricobus solidaire – 2020](#)

Attention ! Bricobus intervient sur les quartiers de Recouvrance, Bellevue, Hauts Jaurès et Kérinou

Les personnes intéressées et qui remplissent les critères de ressources et de lieu d'habitation peuvent faire une demande directe auprès de l'association au 06 33 92 99 18

The Bricobus initiative

- Awareness raising and local advice
- Improve understanding of energy balances/bills
- Capacity building / know-how
- Home Visits / Technical/Behavioral Quick Scans

- Repair café at home / first line interventions
- Assistance to individual/collective self-renovation projects
- Supported participatory project
- Tool loan
- Stock market for materials and equipment





Gathering of Housing Promotion Associations

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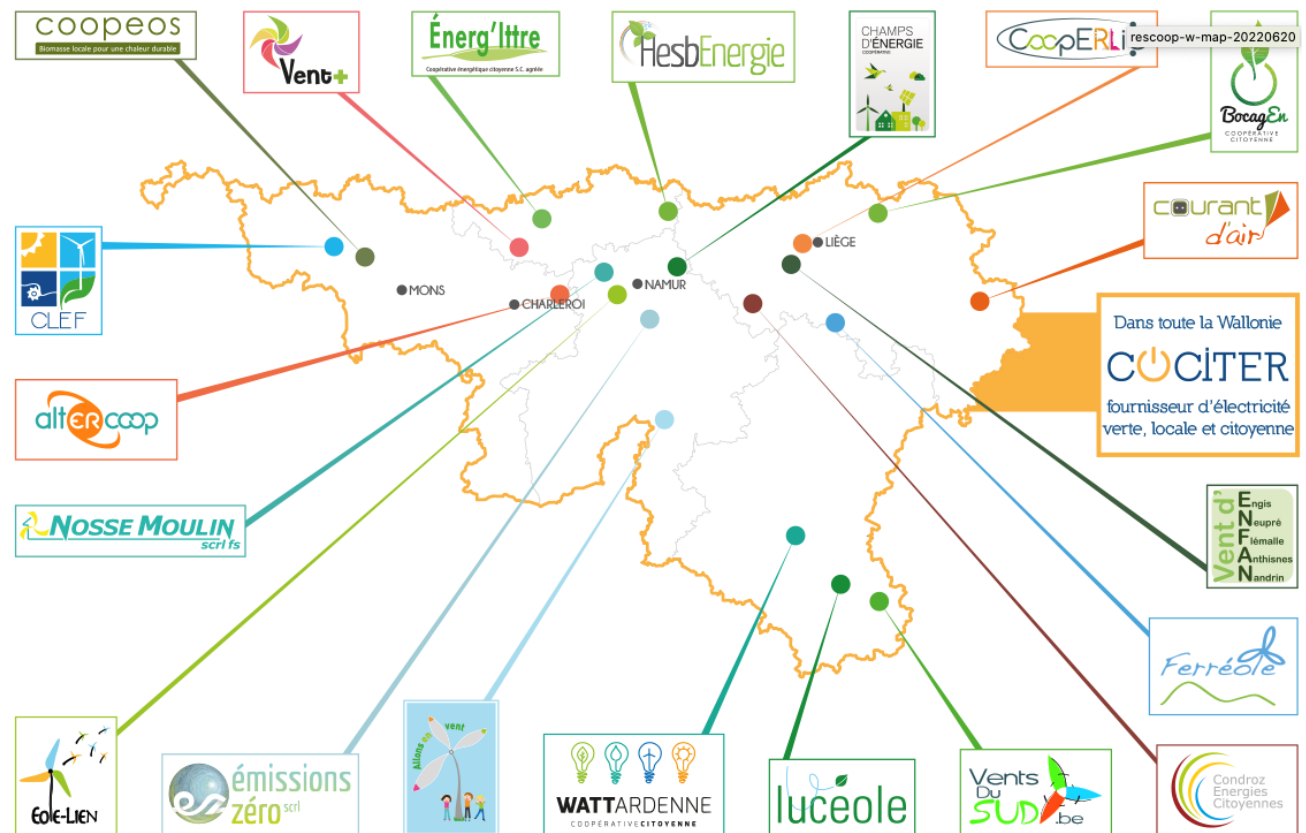


2024

- 20 cooperatives
- 70 MW - windmills fields, PV, biogaz, hydro
- 21,000 cooperators
- 29.300⁶ € capital invested
- 117⁶ gWh of production
- 32,470 households

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Walloon Federation of Citizens' Energy Cooperative



Initiatives from Citizens' Energy Cooperatives

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Cooperative Energy Retrofitting Platform



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LES PROJETS EN COURS

CORENOVE, C'EST QUOI ?

LES PROJETS EN COURS

LES VALEURS

Corenove: Coopérer – Rénover



Electricity Supply
Company

Maximum cotation/
Greenpeace Assessment
2016 - 2022

Renewable Energy Citizen Counter



C0CITER

Comptoir Citoyen des Energies

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Thank you for your attention

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