



**Auvergne  
Rhône-Alpes**  
Énergie Environnement

**POWERTY**  
Interreg Europe



European Union  
European Regional  
Development Fund

## Third-party investment by citizen cooperative

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**Auvergne  
Rhône-Alpes**  
Énergie Environnement



**Buxia énergies**  
L'énergie citoyenne



**Le préau  
des colibris**

Avec le soutien de :

**La Région**  
Auvergne-Rhône-Alpes



# Good practices

## New financing formulas

### Third-party investment by citizen cooperative

#### Project parties

#### ■ Le Préau des Colibris :

- 5 co-owners of the building

#### ■ Buxia Énergies : (created 15/12/31)

>280 local shareholders / 318 kWp PV (BI) / # 600 MWh produced

BÉ has financed both the PV & thermal units and is reimbursed by selling electricity and from the gas savings

Solar system cover 50% of needs for domestic hot water and heating



# Good practices

## New financing formulas

### ■ Third-party investment by citizen cooperative

#### Key data

- Shared values & vision :
  - Cooperation
  - Negawatt approach
  - Energy transition to Renewable sources
- Financial limits :  
3 of 5 Householders are retired and has reached their maximum debt level
- 3rd party investment needed

# Good practices

## New financing formulas

### ■ Third-party investment by citizen cooperative

#### Realisation

- Local supplier for the thermo solar system
- Local Installer
- Local funding
- Time Frame :
  - Y2016 first contacts between the parties
  - Y2017 Studies
  - Y2018 Building
  - Y2019 Comissionning

# Good practices

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#### Budget and funding

- Budget for BÉ :
  - Thermo Solar unit: 15.4 k€
  - PV unit : 21.8 k€
- Funding :

	Thermo Solar	PV
Citizen Equity	5.5 k€	5.1 k€
AuRA Subsidy	9.6 k€	5.8 k€
Debt		10.9 k€

# Good practices

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#### INTERNAL FACTORS

#### STRENGTHS (+)

- Simple & robust technology
- Enhanced comfort
- Local supplier & Installer
- Energy expenditures maintained in forecasts
- Removes the financial barrier (& limits bank debt for low incomes people)

#### WEAKNESSES (-)

- Not renewable back-up energy
- Contractual framework to be perfected
- Limited / low back-up energy cost of use
- Need Subsidy to balance

#### EXTERNAL FACTORS

#### OPPORTUNITIES (+)

- High replication potential (Heat is 2/3rd of building energy needs)
- In full accordance with the territory commitment to energy transition
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#### THREATS (-)

- 7days a week operation require strong support not available in Citizen energy companies
- Decision-making process in co-ownership are major concerns