Centrales Villageoises
Local citizen-owned energy communities

Presentation (June 2021)
Definition

• Concept: local energy communities producing renewable energies together with citizens, municipalities and local stakeholder

• Chart
  – Citizen governance
  – Straight link to the local municipalities and their energy plans
  – Local economic benefits, local development
  – Global approach taking into consideration all the stakes of the territory (landscape, economy, social aspects, etc.)
**WHEN?**

- Project initially launched by AURA-EE and 5 regional natural parks of Rhône-Alpes, in 2010
- 5 parks involved and 8 pilot territories
- Setting up of a program via European and regional funding

**WHY?**

- 2010: speculation on PV plants, municipalities and rural areas over canvassed to rent their lands → many projects with
  - no profits for the territory
  - No landscape integration
  - No shared governance

→ Need to find new schemes for the development of RES, closer to the population and the territory
Key points of the model

- **Territorial approach**
  - Citizen governance
  - Close link to municipalities and local planning
  - Local shared benefits
  - Consideration of non energetic staked (landscape, social aspects, etc.)

- **Shared approach**
  - Common tools and services between local companies
  - Partnerships at the network level

- **Quality process**
  - Capitalization of experience
  - Innovation

- **Solidarity approach**
  - Assistance between local companies
  - Decentralized networking
Model

Citizens

Facilitator

Design office

Others ethical and socially responsible investors

Local companies

Local authorities

Local company « Centrales Villageoises »

shareholders

Invests

Roof lease for solar panels

TERRITORY

1st phase

1st operation

New operations : activity growth

Dividends

Energy sale

New projects

Other RES projects

2nd phase PV

Local authorities

Citizens

Local companies

Facilitator

Design office

Energy sale

1st operation

New projects

2nd phase PV

Other RES projects
**Roadmap to develop a project**

1. **EMERGENCE PHASE**
   - Public meetings, meeting with elected representatives, etc.:
     - Presentation of different models, legal framework, check if Centrales Villageoises model correspond to the local need and interest
     - Make people group together to get a « core »
     - Check adherence to the chart

2. **ANIMATION PHASE**
   - Working groups
     - Technical: search for roofs that can welcome PV plants
     - Legal: choose the company model and work on the status
     - Communication at a local scale

3. **DEVELOPMENT PHASE**
   - Technical aspects
     - Technical studies (PV sizing, building structure, connexion to grid)
   - Legal and financial aspects
     - Fundraising, bank loan

4. **REALISATION PHASE**
   - Contracts
   - Works
   - Production start

5. **EXPLOITATION PHASE**
   - Bills for energy selling
   - Company management
## Common tools

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<tr>
<th>Icon</th>
<th>Description</th>
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<tbody>
<tr>
<td>💌</td>
<td>Mail addresses centralsvillageoises.fr</td>
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<tr>
<td>📜</td>
<td>Personalized website presenting their company and RES projects</td>
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<td>💬</td>
<td>Forum chat to cross experiences</td>
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<td>🔧</td>
<td>Toolbox on the general website with more than 100 guidebooks and templates.</td>
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<td>📝</td>
<td>Monthly newsletter mentioning new projects, new regulations, new tools, etc.</td>
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<td>🎯</td>
<td>Trainings with experts (on financial aspects, building structure analysis, etc.)</td>
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<td>🗒️</td>
<td>Working groups on new thematic</td>
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<tr>
<td>✅</td>
<td>Check of the local company status by a « Commitment board »</td>
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<td>⌚️</td>
<td>Annual steering committee for all the network (2 days with the general assembly of the association)</td>
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<td><strong>Common services</strong></td>
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<td>Insurance policy</td>
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<td>Monitoring solution (PV plant production and performance)</td>
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<td>Accounting service</td>
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<td>Agreement with DSO for grid connexion</td>
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<td>Bank partnerships</td>
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<td>Partnership on Energy efficiency certificates</td>
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• New employee since 2020
• Bring technical support
• Update and develop new tools
• Develop services
• Sign new partnerships
• Foster innovation
• Disseminate the model
Network association

Association

Commitee

Advisory board

Members

Scientific advisory commitee

Commitment board

AURA-EE

Agreement

- Knowledge transfer
- Member of Ad. Board
- Model evolution

- Analyses the new projects and checks adherence to the Chart to enter the network

Advises on new issues, innovation
Centrales Villageoises network

- 54 territories in 7 regions
- > 5150 shareholders
- > 350 PV plants in operation

The model is still spreading...
Examples

**SAS Centrales Villageoises du Pays Mornantais**
- 282 shareholders
- Capital: **142 500€** among which 13 100€ from municipalities

**SCIC SAS Centrales Villageoises du Val d’Eyrieux**
- 118 shareholders
- Capital: **138 000 €** among which 43 900€ from municipalities

- **OPERATING SINCE 2018**
  - 26 plants in 12 villages
  - Capacity: **257 kWp (env. 1480 m²)**
  - Production: 281 866 kWh/an
  - Total cost: 533 k€

- **OPERATING SINCE 2015 (project 1) and 2018 (project 2)**
  - 20 plants in 8 villages
  - Capacity: **248 kWc (env. 1700 m²)**
  - Production: 285 MWh/an
  - Total cost: 517 k€
Network life: steering committees
PV plants
Contact us: association@centralesvillageoises.fr