

Des panneaux solaires

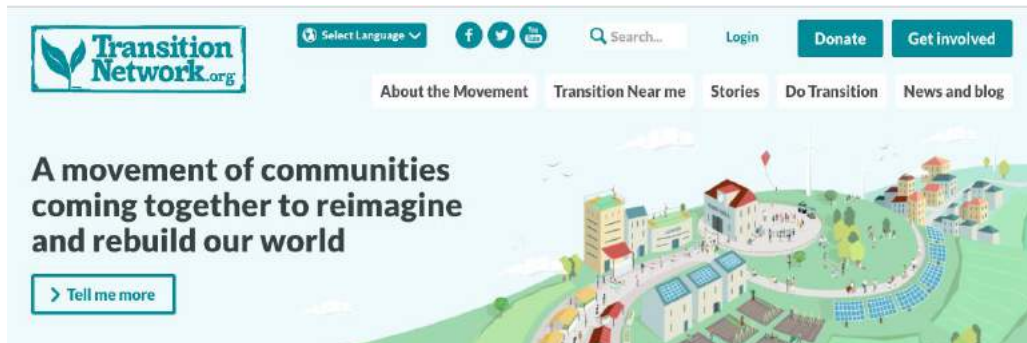
*À l'Institut Sainte-Anne
1040 Etterbeek*







Contexte





2.

THE RISE OF COMMUNITY ENERGY

ENERGY GENERATION IS SOMETHING DONE BY HUGE ENERGY COMPANIES, RIGHT? WRONG. COMMUNITY ENERGY IS ONE OF THE KEY WAYS COMMUNITIES CAN START TO TAKE BACK CONTROL OF THEIR ECONOMY, AND THEIR ENERGY SUPPLY.

Community Energy Savings: Over 5,000 in the UK, many more elsewhere.
Amount raised from community share offers: £13,105,384.88
Amount of electricity generated: 17,388 (197), enough for 4,000 homes
Amount of CO₂ saved: 8,282 tonnes of CO₂

Context

Around the world, the idea that communities install, own, and enjoy some of the benefits of renewable energy is growing fast. In Germany over 50% of renewable energy being installed is in community ownership. In the UK alone, over 5,000 community groups have set up community energy schemes since 2000. Many of these have been Transition groups, and the schemes they have come up with have varied widely in terms of size.

Community energy around the world

In Japan, the Fujino Electric Company has inspired another 40 communities to start their own energy companies, and in Belgium, many Transition groups are involved with community energy to varying degrees. For example while *Champs d'énergie* originated mostly from *Collectif Energie Transition*, *Terres de l'énergie* is a community energy co-operative in Luxembourg.

Why it matters

This surge in community energy projects is a powerful story. The idea has the potential for greater democratic control, for shared benefits and for greater active participation of

the community which can, in turn, lead to infrastructure and cultural change". Decarbonising our energy system requires decentralised renewables, which leads us to far greater opportunities for community investment and involvement. And it brings people together, and creates opportunities for conversation, for parties, for relationships. And it's change people can see happening around them, which means the changes we need to make don't seem so far off and impossible.

Some UK examples:

Barnes & District Energy

started B&D Energy. They have:

- installed 367 solar panels on Dorland School Sports Centre
- generated 60,000 kWh of electricity per year, saving 42 tonnes of carbon per year
- raised £100,500 in shares from local people, with 83% of the investors living within a 4 mile radius of the school.

Bath and West Community Energy

which emerged from Transition Bath and Transition Glastonbury:

- have installed 3MW of solar PV in their own community energy projects
- have supported the installation of 26MW of other community energy groups solar PV
- are in process of supporting the development of a further 10MW of other community energy groups solar PV
- have raised and helped raise £10 million through community shares for their and their partner projects
- have re-distributed £65,000 of profits back into local carbon reduction and fuel poverty projects over the last 2 years.

"Not many years ago there were a few enthusiasts. Transition Bath with its round a table with its great idea. Now and years later we have recognised as one of the leading community companies in the region." Peter Caplan, receiving 'Community Organisation of the Year' from the Community Energy Awards.

Brickton Energy

which emerged from Transition Town Fife:

- installed 134,244 kWh of energy across 3 schools
- raised a total investment of £182,000 from local people through their shares
- saved around 1275 tonnes of carbon
- benefited from 280 volunteer input.

They are currently planning to bring electricity (not gas) to Electric Avenue, one of the town's best known streets.

"This project means to us and our residents it brings with it value work experience for our youth as well as investment support for residents and local investors alike". Mary Simpson, who is in Britain 180 for 20 years.

Photo: (Top) Jonathan Gillingham (Bottom) Peter Andrew

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The rise of community energy

BY ROB HOPKINS 20TH OCTOBER 2016 IN ENERGY

Réchauffement
climatique

“Empowerment”



Synergie PO / AP /
direction



Création d'un groupe de travail

1. Phase d'information / définition des besoins
2. Sélection du partenaire
3. Récolte de fonds
4. Mise en place des panneaux
5. Inauguration

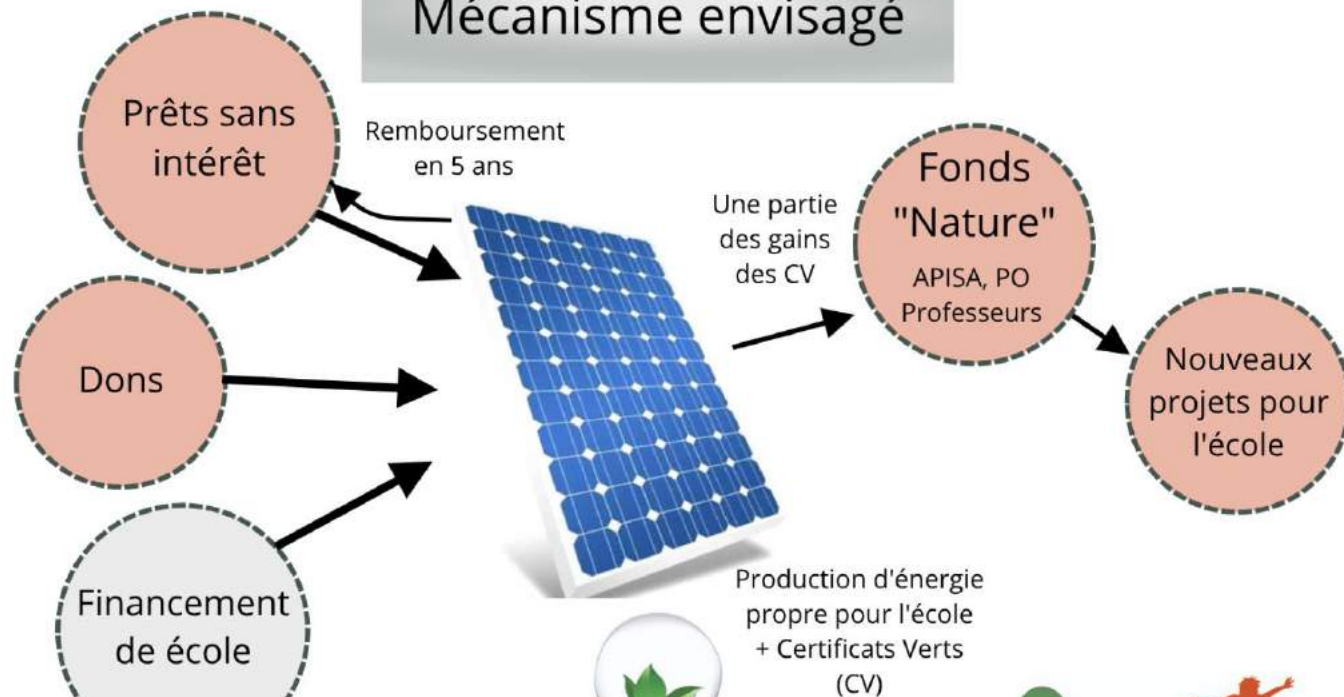
Besoin réel
de « tiers
payant » ?

Inspiration via le
mouvement de la
Transition
Séminaire « CRAIE »

Durée totale: environ 10 mois



Mécanisme envisagé



*Mécanisme en cours
d'élaboration avec différents acteurs (APISA,
PO, parents) aidés par l'APERE (Association
de promotion des énergies renouvelables)*



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A light blue thought bubble with a tail pointing towards the second item in the list.

Demande de
devis
~ 16 000 €

Durée totale: environ 10 mois



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Fonds propre de
l'école + appel aux
dons / prêts auprès
des parents

Durée totale: environ 10 mois





Récolte de fonds



Elements financiers

- Prix installation: ~16.000 € pour 12 kWc
- Dons: ~3.500 €
- Prêts: ~11.000 €
- -> 90% installation financée par des dons et prêts
- Bénéfices installation sur 10 ans: 15.000€ (en plus du remboursement - calcul de l'APERRE)

Clés de succès

- Message: Donner envie, faire comprendre que chacun a un rôle
- Contexte motivant: école, envie de transmettre des messages forts aux enfants
- Crédibilité (collaboration avec l'APERRE)
- Ecole motivée (profs, direction, ...)

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Quelques jours en
juillet

Durée totale: environ 10 mois



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5. Inauguration ◉ ◉ ◉

Avec parents et
enfants lors d'une
matinée « café
filtré »

Durée totale: environ 10 mois













Plus d'info



http://stories.lalibre.be/inspire/numero73/index.html?fbclid=IwAR32d6HUSf6V5IYhQTZaF7KYMfkwdH8ugQ9Eqj8suoOole81PsRuC6kha_0

<http://apere.org>

<http://craie-asbl.be/>

<http://www.institutsainteanne.be/>

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