Dr Watt trainings
Giving the power to act
on your own electrical
consumption
September 2018















- Dr Watt is an off and online learning program (6 weeks long) to reduce home electricity consumption, it is sold to both households and organizations
- → 39 € tax-included for households
- Developed by the network of co-operatives ENERCOOP (France) with an IT subcontractor
- → Launched in 2013, 1100 users as of September 2018
- → ENERCOOP is a co-operative created in 2005 with the objective of decentralizing energy transition issues for and by the citizens
- The software is developed on a PHP framework and with a GPL licence
- → It's one of the « best practices » identified in the REScoop Plus project









Enercoop – The developer

Created in 2005 by:













Main Activity: Supplier of renewable electricity

60 000 clients

32 000 members

180 employees

170 producers









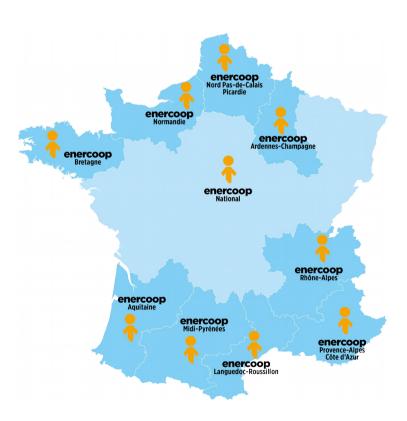


Enercoop — The developer

10 local cooperatives

- Creation of short and local circuits of energy between producers and consumers
- Share services and experiences
- Solidarity between local cooperatives
- Guarantee of respect for the ethics and values of Enercoop
- Each local cooperative is legally independent but the network has a single governance system











Strengthening of the political project

Acquisition and development

- A coherent project and a coherent speech → « a higher price but provides support in the reduction of energy consumption »
- Enrich the offer of energy services and start anticipating energy market developments oriented towards new services (EE, production, etc.)





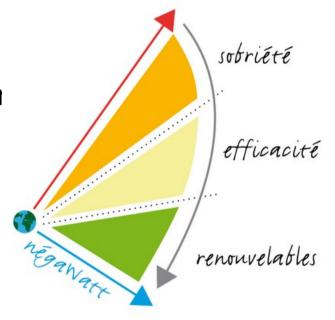




Essential for the energy transition 20 % of the specific electricity to be reduced in the French prospective models of energy transition

 Rational use: Reducing energy consumption without reducing the level of comfort

 Efficiency: Right choice of equipment and appliances for energy consumption











For the individuals / households:

 A training program to become aware of one's consumption of electricity and to act concretely to reduce it

For the organizations:

 Allows to build a coherence within corporate policies (CSR, Social Economy) of entreprises, associations or local communities by raising awareness of their employees, members or inhabitants









Who are the users of the service?

Individuals

More than **750 households** have used and paid for the Dr Watt service

- → 3/4 were already clients and members of ENERCOOP
- → 1/4 were not when they paid for the service

Organizations

















A cocktail program (1/3)



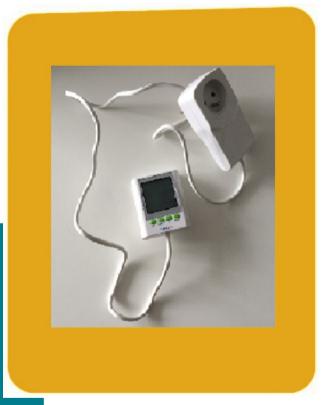
90 minutes

1st session with an expert

Learning to use a wattmeter, the online website and the method to do the self-diagnosis

+ talk about climate change and energy transition















A cocktail program (2/3)



6 weeks

Home self-diagnosis

Mesures and online report of the electricity consumption. Personalized advices to reduce it

Four Micro-ondes
Robot ménager
Hachoir
Presse-agrume
Mixeur
Mixeur plongeant
Fouet électrique
Batteur

Machine à café

Machine à café

■ Appareils (21)

Questions fréquentes

Heures/Jour 🗸

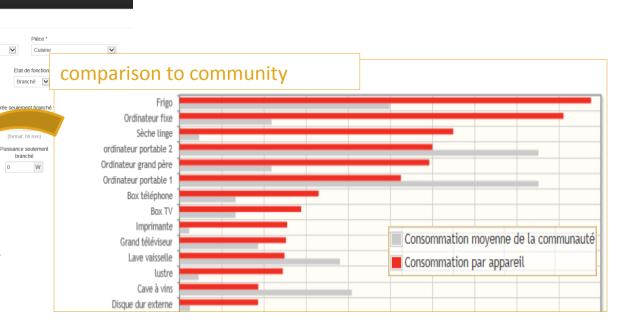
24:00

Puissance en

al Résultats

Just report the mesures and Dr Watt will do the rest...

Graphical visualization of the self-diagnosis results



11/09/18



A cocktail program (3/3)

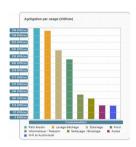


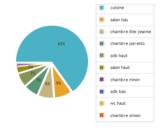
2 hours

2nd session with an expert

Sharing experiences. Group results analysis. Tips and advices. Focus on lighting purchase.

Results discussion







By sharing their experiences, all participants can improve the group with some personal details which can be very useful for everyone

Make the understanding of how to buy lighting easier



Talks about tips and tools helping to reduce electricity consumption







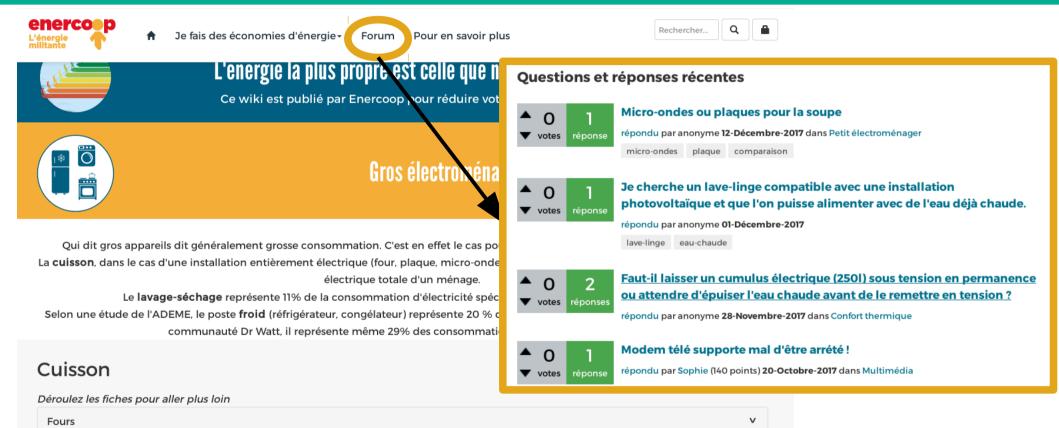






A complementary tool







This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 696084



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Micro-ondes

Plaques de cuisson



- → The online tool is developed with external web developers from the SSII PROBESYS → https://www.probesys.com/
- → The tool licence is GPL, which is an OPEN SOURCE licence
- → But not on Github. The developments are all made by Enercoop
- → The translation of the tool can be done on the same web architecture
- → The « Wiki of energy savings » is developed on an Open Source WIKI technology called YESWIKI









Timeframe for using of the tool

Individuals

Communication starts at least 2 months before the starting of a « 6 weeks training session »

- E-mailing
- Newsletters
- Local press releases
- Social media
- Partners
- Regular communication: website, bills, welcoming letters, online customer account
- Special offers

A session is confirmed if there is at least 7 participants (max. 20) a week before the first meeting

The platform is still activated to use by participants after the 6 weeks

Possible to compare BEFORE and AFTER having implemented actions to reduce electricity consumption

Organizations

Selling actions and communication : e-mailings, phone calls, meetings

The organization has to find 20 participants: employees, members, citizens, etc

Enercoop supports the organization with its own communication

The organizations take care of the logistics

For the participants, it's the same process

Additionnal focus on « energy savings in the office » when it's a company (during the second meeting)

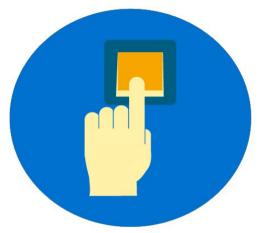




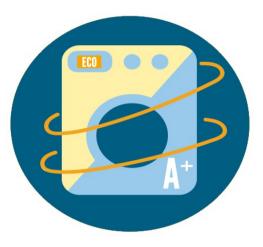




Effectiveness in France







Satisfaction note: 9/10

University of Twente's analysis shows a correlation between the use of Dr Watt and real energy savings

34 € / an d'économies*

Eco-gestes, sobriété

12,4 % of the appliances measured

32 € / an d'économies*

Changement de l'éclairage

11,7 % of the appliances measured

45 € / an d'économies*

Changement du matériel (froid, lavage...)

16,6 % of the appliances measured

Technological University of Crete's statistical analysis shows a reduction of 60 % comparing BEFORE and AFTER Dr Watt**

** But needs to be confirmed

*Économies d'énergie moyennes détectées chez les participants à la formation Dr Watt, sur la base du tarif Enercoop.

The business model has to be linked to **others services** (supplying, production, memberships, public and private grants,..)

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How to make it work in other countries

A shared perspective

- After 3 years of experimentation (2013-2015), we did a dissimination in our network of cooperatives in 2016-2017
- If European cooperatives are interested, it's possible to support thoughts and developements, inspired by the Dr Watt model

How

- Exchange on your needs and your ideas on how to implement and adapt
- Using a REScoop Plus project's template: methodology and resources, timeline and budget for the support of ENERCOOP experts
- Have an agreement
- In-house training transmission supporting the implementation (selling kit and training kit)







Contact mohamed.sifaoui@enercoop.org











