

Title of the measure:	FRA17 Energy advisors for local authorities
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General description

According to a 2012 study led by ADEME, the energy consumption of municipalities is of 27.7 billion of kWh, for a budget of 2.85 billion €. Municipalities with 2,000 to 10,000 inhabitants represent 11% of the total number of municipalities, but 33% of their energy consumption. While they represent a large potential for energy savings, these municipalities usually have little resources and skills regarding energy management.

The Shared Energy Advisor scheme (**CEP**) is a local service that offers to share the skills of an energy advisor between several small municipalities of the same territory that does not have such expertise internally.

The advisor works with member municipalities to assist them in monitoring their consumption and in all their actions relating to energy efficiency and water on their property.

The CEP scheme was created for municipalities with **less than 10,000 inhabitants** (an adviser can work on a total population of about 40,000 inhabitants).

ADEME subsidizes the hiring of a CEP adviser for 3 or 4 years. This financial support occurs usually in partnership with the Region, ERDF funds, local authorities...

The service then costs 1€/year/habitant, a cost that is potentially compensated by the savings, as shown by studies (recommendation on simple actions can save up to 3€/year/habitant).

In municipalities with more than 10,000 inhabitants, a similar scheme is proposed by Regions under the name “**économies de flux**”.

Daily missions of CEP advisers

The CEP advisers general mission is to provide municipalities with neutral, independent, quality advice and technical assistance on the long term.

To provide an appropriate response to each municipality, the adviser conducts an overall energy diagnosis of municipal assets:

- inspection of buildings and municipal operating sites;
- capture and analysis of energy bills over several years.

This initial assessment is the subject of a detailed analysis and allows the adviser to:

- provide elected representatives with a record of the initial situation: level of consumption, distribution by position and type of energy, elements of comparison with similar municipalities...
- identify the key energy issues for the municipality;
- provide prioritized recommendations to reduce consumption and act against rising energy prices.

The adviser provides a personalized monitoring of the municipality:

- monitoring of consumption and sustainability of economies;
- project support;
- raising-awareness and training of elected representatives, technicians and other local actors.

The provision of tools

ADEME provides advisers with a methodological guide and an energy accounting software.

Moreover, ADEME diffuses animation tools to professionalize the service, increase the visibility and recognition by local actors and promote synergies and exchange of good practices:

- discussion forum
- document sharing on a download platform



- corporate brochure, promotional film...
- national days CEP, regional meetings...

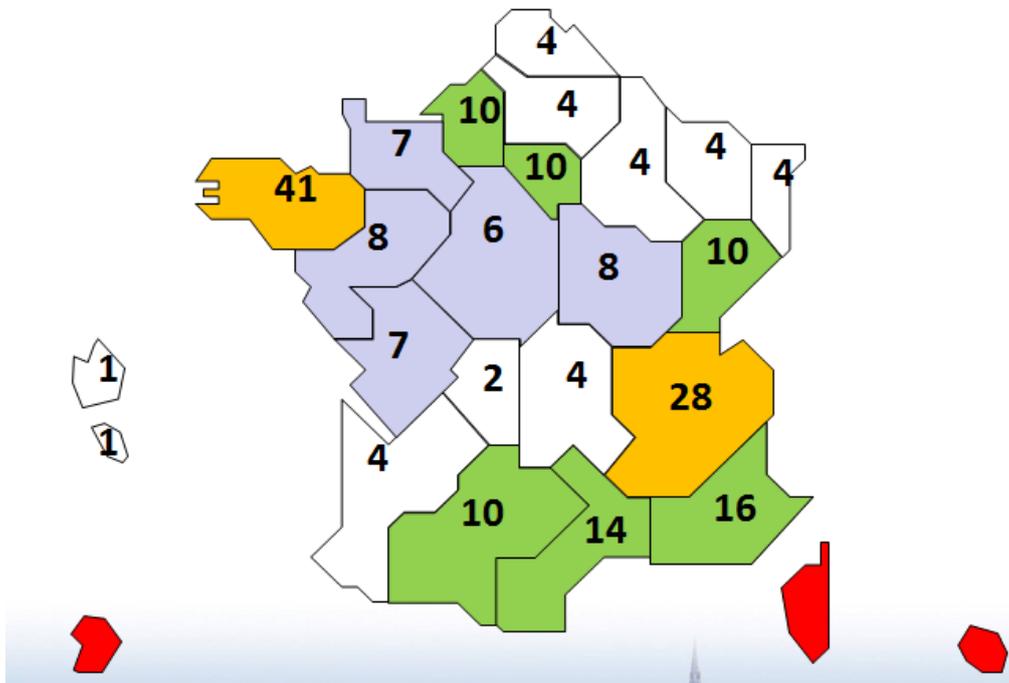


Figure 1: National map of CEP in June 2014:

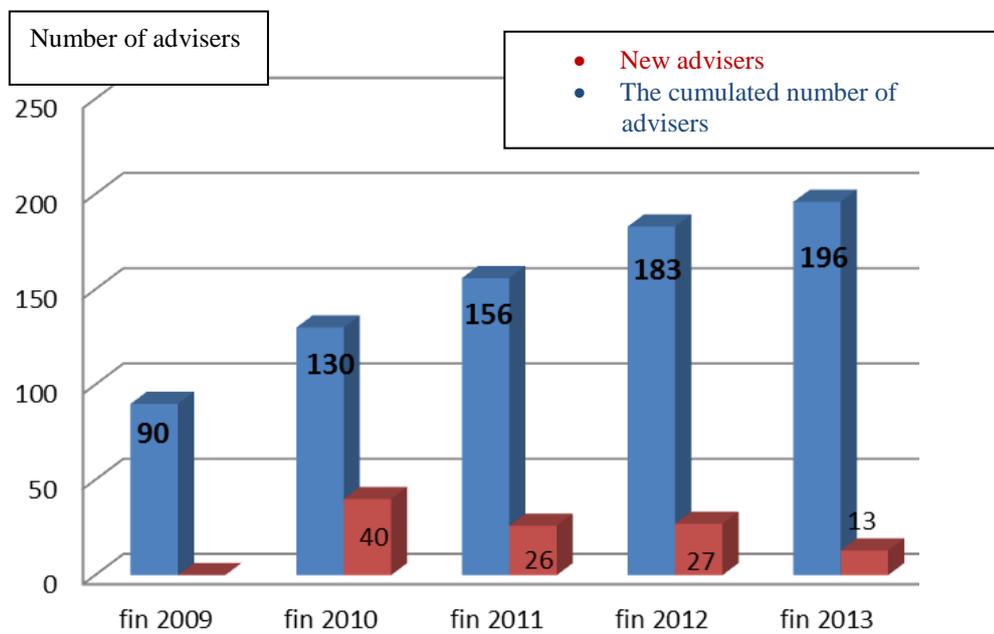


Figure 2: The evolution of CEP from 2009 to 2013.

In June 2014, there were:

- 207 advisers
- 132 host organizations
- 3 800 committed municipalities
- 8 million people who lived in a committed municipality
- 95% of elected representatives who are satisfied with their advisers

Impact evaluation (methods and results)

Results

The savings potential thanks to CEP is estimated from **45 000 kWh to 63 000 kWh** per year and per municipality if all recommendations were implemented.

In June 2014, energy savings achieved in committed municipalities thanks to CEP recommendations are between **8 000 kWh and 12 000kWh** per year and per municipalities.

In 2014, energy savings thanks to the CEP scheme are expected to be above 2.6Ktoe.

Measure Impact Level		
<input checked="" type="checkbox"/> low	<input type="checkbox"/> medium	<input type="checkbox"/> high

Interaction of measures

Historical data

References

-brochure ADEME: <http://www.ademe.fr/bretagne/upload/cep/fichier/10fichier.pdf>