

# Good practice factsheet

## Core Theme 5

### Use of ELENA technical assistance in France

Core Theme and topic	<b>Improving the effective use of EU Structural Funds Funding technical assistance good practices and experiences</b>
Name of work programme/project	City of Paris – Use of ELENA technical assistance to refurbish schools
<b>Project scope and description</b>	
Short description of the programme & what it hopes to achieve	<p>Within the framework of the Climate Action Plan for the City of Paris, the municipality has decided to refurbish its 660 schools by 2019 to cut their energy consumption and CO<sub>2</sub> emissions by 30%. This ambitious project will start with the refurbishment of a hundred schools between 2011 and 2013. The project will include:</p> <ul style="list-style-type: none"> <li>- Improvement of the building envelope</li> <li>- Implementation of energy management systems with control and monitoring of the energy devices installed</li> <li>- Implementation of energy efficient lighting</li> <li>- Installation of PV plants on school rooftops, where suitable and financially viable</li> </ul> <p>To achieve this, the City set an Energy Performance Contract.</p> <p>To prepare and manage that contract and the whole project, it applied to the ELENA technical assistance funding programme.</p>
What is the scope of the project? e.g. - National/regional/local - Building type/owner	<p>The school EPC project is run by the City of Paris. In its first phase, it targets a pool of 100 schools, with very different features (age, size, architecture, heating system...) and spread across the 20 arrondissements of Paris. Within the frame of that programme, different project development services for the preparation and implementation of the investment programme will be funded by ELENA:</p> <ul style="list-style-type: none"> <li>- The choice of schools to be refurbished</li> <li>- The preparation of an energy performance contract approach, carrying out preparatory studies</li> <li>- The preparation of an energy baseline for pooled schools (3 pools of ~ 100 schools each)</li> <li>- Tender preparation and the launch of the tendering procedure</li> <li>- Monitoring of signed contracts</li> <li>- Targeted information actions towards teachers, pupils, employees and pupils' parents</li> </ul>
Who are the key people involved? e.g.: - Installers - Local Authorities	<p>The project is run by the municipality of Paris. It involves --- as the EPC partner and the EIB as the funding institution for the ELENA technical assistance. Within the ELENA funding, a project implementation unit composed of three additional full time staff is in charge of the management of the project.</p>
Who was the target audience?	<p>The project is aimed at the schools' users (pupils, teachers, parents) who will benefit from better infrastructure and quality of life, but who will also be informed and trained in order to spread new behaviours. It also targets more globally Paris's citizens and authorities as it contributes to the city's Climate Action Plan.</p>

How was this work programme/project financed?	Project preparation and implementation of the investment programme is financed by ELENA to a value of €1 377 000. The project itself is financed through an EPC: the contractor finances all the project investments and will be remunerated based on the energy savings realised during the 20 years following the project.
What was the cost of the work programme/project?	Expected investment adds up to EUR 180 million addressing energy refurbishment (and PV plant) in the selected schools.
When did it start and end?	The ELENA funding covered the 2010 – 2013 period. The ELENA contract was signed on 15 December 2010 and the EPC will be signed by the end of November 2011. Refurbishments should start by the end of 2011.  Works will be continued for the last two pools after this first period.
<b>Project Outcomes &amp; Communication</b>	
What were the key achievements?	The project is ongoing.
What were the outcomes and expected benefits?	The expected benefits of the project are delivery of important energy savings and emissions reductions for 1/6 of Paris's schools and creation of a new culture for energy efficiency for all the pupils, teachers and parents involved in these schools.
What were the key lessons learned?	The project is ongoing.
Is there anything you would do differently in future?	The project is ongoing.
What makes this a good practice example?	That large scale implementation of an EPC scheme has a high market replication potential and should encourage other municipalities to follow suit. The approach will be reproduced at least twice to refurbish all of the schools in Paris. This will have tremendous consequences for the City of Paris's public buildings energy consumption (by refurbishing its schools, Paris could reduce the energy consumption of its public buildings by 20%). It is also an exemplary first use of ELENA technical assistance in France to inspire all other municipalities. Finally, it will target all the kids in Paris, creating a new level of awareness around energy efficiency among the youngest.
Web links to further information	<a href="http://www.eib.org/products/technical_assistance/elena/">http://www.eib.org/products/technical_assistance/elena/</a>
Contact details of named person for further information	Elodie Trauchessec – ADEME- <a href="mailto:elodie.trauchessec@ademe.fr">elodie.trauchessec@ademe.fr</a> Arnaud LE BEL HERMILE – City of Paris- <a href="mailto:Arnaud.LebelHermile@Paris.fr">Arnaud.LebelHermile@Paris.fr</a>
Please indicate if you can give a short (15 minute) presentation at a Plenary Meeting or other event	Yes
Please indicate if this case study can be made available to the public?	Yes