

BEST PRACTICE FORM

NB: the form has to be filled exclusively in ENGLISH and cannot be longer than 2 PAGES, maintaining the present font dimensions

Field of the best practice	<input type="checkbox"/> PAPER <input checked="" type="checkbox"/> ELECTRIC <input type="checkbox"/> THERMAL <input type="checkbox"/> MOBILITY <input type="checkbox"/> OTHER
Title of the best practice	<i>“Lightening mills”</i> project
Country	Italy
City	Treviso
School’s name	Giorgi- Fermi (high school)
School’s website	http://greengiorgifermi.wixsite.com/giorgifermi-project/progetti
Contact person/s	Ermanno Domenicale - teacher Roberta Fiorentini - teacher Roberta Frasson - teacher Renato Rosa Donati - teacher
Contact details (E-mail, telephone)	green.giorgifermi@gmail.com
Short summary of the best practice	<p>To participate in the Green Schools Competition (school year 2017 – 18), Giorgi Fermi set up: an Energy Team composed of 5 teachers, 1 technician, 16 students and 1 administrative staff, and the EduFootprint group composed of 1 teacher and 11 students (restricted involvement in the European project EduFootprint).</p> <p>The “Lighting mill” project started in 2015 and every year some activities are carried out. The initiative concerns the water exploitation of the watercourses of the historic centre of Treviso through the use of micro-hydroelectric power stations for:</p> <ul style="list-style-type: none"> • Lighting and enhancement of the historic centre through the LED lighting; • Real-time reporting of the network system on screens placed in schools and public

	<p>offices.</p> <p>The project aims to exploit the water resources of the city of Treviso respecting the environment and the historical heritage (old mills) in the waterways.</p> <p>The produced energy will serve as a clean source for the Led and Oled lighting, enhancing the buildings and the significant areas of the historic centre. As well as monitoring in real time the production and consumption of the electricity, visualizing it on line or by monitor positioned in some structures (e.g. schools, public buildings etc.).</p> <p>Teachers, students, public bodies, private structures and associations will be involved, each of them for their expertise.</p>
<p>Goals</p>	<p>Strengthening the students' knowledge and skills on energy and energy saving and identifying concrete energy saving actions in schools and other environments (home, city, etc.) for a professional training of the young people</p>
<p>Main activities</p>	<p>The activities carried out by the school were:</p> <ul style="list-style-type: none"> • Energy Team actions; • Daily monitoring, light switching off, especially in the labs; • Reissue of the Decalogue of the good habits; • Monitoring and inventory of the electrical equipment, including the lighting fixtures; • Agreement with the School Manager to reduce the paper documents (e.g. circulars on the website, programmes, school boards minutes only in the electronic registers); • Training of the Energy Teams on the use of the monitoring and

	<p>verification tools such as the thermal imaging camera, the energy meters, the lux meter, the multi-meters, reading of the Enel meters and use of the Energy Sentinel</p> <ul style="list-style-type: none"> • Distribution of tap water as an alternative to the use of refrigerated vending machines in line with the Edufootprint project • Participation in the “M’Illumino di meno 2018” initiative • Participation in workshops and competitions on energy, waste, re-use etc., publication of articles in newspaper.
Background	Opening of the “ NON NEGOZIO”, a space in the school building where it is possible to bring and take freely everyday in good shape objects, clothes, appliances and tools.
Time frame	From January to May 2018
Other relevant information	<p>Participation in the Earth Day 2018 with posters and an online survey about our habits and knowledge of the bottled water.</p> <p>Tap water distribution.</p>
Type of material uploaded	https://www.youtube.com/watch?v=EpLwrfCMStg
Language of the material uploaded	Italian