

BEST BRACTICE 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 type="checkbox"/> ELECTRIC <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> THERMAL <input type="checkbox"/> MOBILITY
Title of the best practice	Improvement of thermal comfort – installation of biomass boilers in Cano Elementary School
Country	Portugal
City	Sousel
School's name	Cano Elementary School
School's website	N/A
Contact person/s	Diamantino Conceição (AREANATEjo's Technical Director)
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Short summary of the best practice	<p>One of the measures recommended in the scope of the EduFootprint project, which counts on the involvement and collaboration of AREANATEjo – Regional Energy and Environment Agency from North Alentejo, consisted in the installation of one biomass boiler in Cano Elementary School. Thus, according to the on-site visits and also considering a joint articulation with the responsible of the School and with the Municipality of Sousel, were identified the best solution to implement.</p> <p>With a total investment of 4.170 Euros, the measure implemented has a return period of 4,2 years. However, this measure was financed at 85% by EduFootprint project, thus representing a total investment for the Municipality of Sousel of 625,50 Euros which, in turns, corresponds to a return period of 0,6 years (7 months).</p>
Goals	<p>It considered the following equipments:</p> <ul style="list-style-type: none"> • Replacement of the existing diesel fuel boiler for one biomass boiler with 24 kW, for central heating that will be responsible for heating the space. <p>This intervention allows for a reduction in annual costs of 1.001,52 Euros.</p>
Main activities	<p>This implementation was structured in several distinct and complementary phases, namely:</p> <ol style="list-style-type: none"> 1. Collaboration protocol (AREANATEjo - Municipality of Sousel) 2. Survey and characterization of lighting systems (energy

	diagnosis) 3. Acquisition and installation of equipment 4. Monitoring 5. Promotion and dissemination
Background	The mission of AREANATEjo is to contribute to energy efficiency and to the best use of endogenous energy resources, by developing projects and methods and by disseminating best techniques and procedures for the rational use of energy and resources and for preserving the environment, with a view to the promotion of a sustainable local development, concretely, to obtain a greater energy efficiency and better environmental performance of the Associated Municipalities, where the Municipality of Sousel is inserted.
Time frame	From November 2016 to mid-2017
Other relevant information	Not applicable.
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