

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 Kindergarten of Portagem |
| Country | Portugal |
| City | Marvão |
| School's name | Kindergarten of Portagem |
| School's website | N/A |
| Contact person/s | Diamantino Conceição (AREANATEjo's Technical Director) |
| Contact details (E-mail, telephone) | info@areanatejo.pt +351 245 309 084 |
| 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 the Kindergarten of Portagem. Thus, according to the on-site visits and also considering a joint articulation with the responsible of the School and with the Municipality of Marvão, were identified the best solution to implement.</p> <p>With a total investment of 3.425 Euros, the measure implemented has a return period of 11,1 years. However, this measure was financed at 85% by EduFootprint project, thus representing a total investment for the Municipality of Marvão of 513,75 Euros which, in turn, corresponds to a return period of 1,7 years (20 months).</p> |
| Goals | <p>It considered the following equipments:</p> <ul style="list-style-type: none"> • Biomass boiler, with 16 kW, for central heating that is responsible for heating the space through 4 radiators with 12 elements each. <p>This intervention allows for a reduction in annual costs of 307,66 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 Marvão) 2. Survey and characterization of lighting systems (energy |

| | |
|--|--|
| | <p>diagnosis)</p> <ol style="list-style-type: none"> 3. Acquisition and installation of equipment 4. Monitoring 5. Promotion and dissemination |
| Background | <p>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 Marvão is inserted.</p> |
| Time frame | <p>From November 2016 to mid-2017</p> |
| Other relevant information | <p>Not applicable.</p> |
| Type of material uploaded | <p>PDF File</p> |
| Language of the material uploaded | <p>Portuguese</p> |