

## 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**

<b>Field of the best practice</b>	<input type="checkbox"/> PAPER <input checked="" type="checkbox"/> ELECTRIC <input checked="" type="checkbox"/> OTHER <input checked="" type="checkbox"/> THERMAL <input checked="" type="checkbox"/> MOBILITY
<b>Title of the best practice</b>	Energy-Efficient Retrofit and energy management at UL FE
<b>Country</b>	Slovenia
<b>City</b>	Ljubljana
<b>School's name</b>	University of Ljubljana, Faculty of Economics (UL FE)
<b>School's website</b>	<a href="http://www.ef.uni-lj.si">www.ef.uni-lj.si</a>
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<b>Short summary of the best practice</b>	<p>Environmental footprint has been calculated for the school using the EduFootprint methodology and used also as a tool for energy efficiency measures. Several activities took place including student final works, in order to improve buildings environmental performance.</p> <p>The confirmation of good practices in term of environmentally responsible actions came in the form of awarded Green Flag, an international environmental acknowledgment. The UL FE staff and students, together with representatives of the Eco-School, celebrated receiving the Green Flag with a formal signing of the Eco Deed of the Faculty of Economics over a traditional Slovenian breakfast on Friday, 26 October 2018 on the UL FE campus. The Dean Prof. Dr Metka Tekavčič welcomed all those present, pointing out that the Faculty is aware of the importance of sustainable development and is proactive also in this domain. She emphasised the Green Flag is yet another in a series of awards that has been given in recent times. In addition, the UL EF in recent years built a new environmentally-friendly heating, cooling and ventilation system and replaced the entire wiring system and lights in all Faculty areas. After renovation, the energy management was implemented.</p> <p>Energy consumption for heating and consumption of electricity was notably reduced in the period 2014-2017 in comparison to 2013 as a result of all the improvements. The ULEF lowered its heating and electricity costs in the period 2014-2017 by more than 100.000 EUR per year, compared to 2013.</p>
<b>Goals</b>	Reduction of electricity

	<p>Reduction of thermal energy Lowering costs for heating and electricity</p>
<b>Main activities</b>	<p>The main activities in the framework of the energy retrofit of the UL FE are:</p> <ul style="list-style-type: none"> <li>• modernization and optimization of the heating system;</li> <li>• installation of heat exchangers and cold generators;</li> <li>• modernization of the air conditioning system;</li> <li>• replacement of the indoor and outdoor cooling units;</li> <li>• installation of heat pump and pumps with frequency regulation;</li> <li>• replacing lights, updating electrical connections;</li> <li>• retrofit of thermal bridges at window grates;</li> <li>• upgrading of the central control system, implementation of online measurements of energy consumption.</li> </ul> <p>After all technical activities were finished the energy management was implemented.</p>
<b>Background</b>	<p>On 30<sup>th</sup> of November 2012, Ministry of Education, Science and Sport published: A public tender for awarding grants for the energy retrofit of the buildings of public institutions in the field of higher education and science, which founder is the Republic of Slovenia and which is under the responsibility of the Ministry of Education, Science, Culture and Sport within the Operational Program for the Development of Environmental and Transport Infrastructure for the period 2007- 2013, 6<sup>th</sup> Development priorities "sustainable use of energy" 1<sup>st</sup> priority directions "energy rehabilitation of public buildings". The UL FE application to the tender was successful.</p> <p>The work titled "Proposal for the environmental development strategy and operational resources management of the UL FE" used Edufootrint tool to improve environmental performance of the UL FE buildings.</p>
<b>Time frame</b>	<p>2018 energy management 2018 The UL FE has been awarded the Green Flag, an international environmental acknowledgment</p>
<b>Type of material uploaded</b>	<p>Web</p> <p><a href="http://efnet.si/en/2018/10/31/the-faculty-of-economics-felu-has-been-awarded-the-green-flag-an-international-environmental-acknowledgment/">http://efnet.si/en/2018/10/31/the-faculty-of-economics-felu-has-been-awarded-the-green-flag-an-international-environmental-acknowledgment/</a></p> <p><a href="http://www.ef.uni-lj.si/corporate_social_responsibility/rehabilitation-project">http://www.ef.uni-lj.si/corporate social responsibility/rehabilitation-project</a>,</p> <p><a href="https://www.uni-lj.si/o_univerzi_v_ljubljani/projekti/projekti_2007_2013-/energetske_ucinkovita_sanacija_ul_ef/">https://www.uni-lj.si/o univerzi v ljubljani/projekti/projekti_2007_2013-/energetske ucinkovita sanacija ul ef/</a></p>
<b>Language of the material uploaded</b>	<p>Eng, Slo</p>