

Promote the Sustainable Use of Renewable Resources and Energy Efficiency in Rural Regions

RURES sets to exploit the potential of renewable energies (RES) and energy efficiency (EE) in rural regions as they have a great potential for reaching energy autonomy.

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Pilot Investment – Solar “E-Tree” in Slovenia

Slovenian Pilot Investment was finalized in October 2018 in Municipality Puconci. There was an official opening of the Solar “E-Tree” on October 12, 2019, at which visitors could see the entire installation as well as use it. They learned which mobile devices can be charged and how that energy is generated.

The Solar “E-Tree” pilot investment consists of three components: Solar “E-tree” with four photovoltaic panels, a smart-designed solar bench for charging electronic devices, and a smart bench with shadow and six photovoltaic panels, featuring LED illumination and seating and relaxing area options for charging e-devices.

About the Solar “E-Tree”:

Solar energy is the best option when we are looking for a non-conventional energy source. The reason is that it is very easy to trap the solar radiations and convert it into electrical energy by

using Photovoltaic (PV) cells. Nowadays, it is also necessary to think about the environment by reducing the pollution. Considering all parameters mentioned above, solar energy is the best option for electrical energy generation. The only issue for using solar energy is that a large space is required for the installation of big solar panels for higher outputs; however, such new products as “Solar E-Tree” can solve this obstacle.

Solar “E-Tree” is a metal structure that looks like a real tree with branches at the top of which are solar panels. These solar panels collect solar energy and transfer it to electricity which can be used for charging batteries of mobile phones, tablets and portable computers. Moreover, collected electricity can be used as a power for info panels and lighting.

More information about Solar “E-Tree”: <https://www.interreg-central.eu/Content.Node/The-official-opening-of-the-Solar--E-TREE-.html>

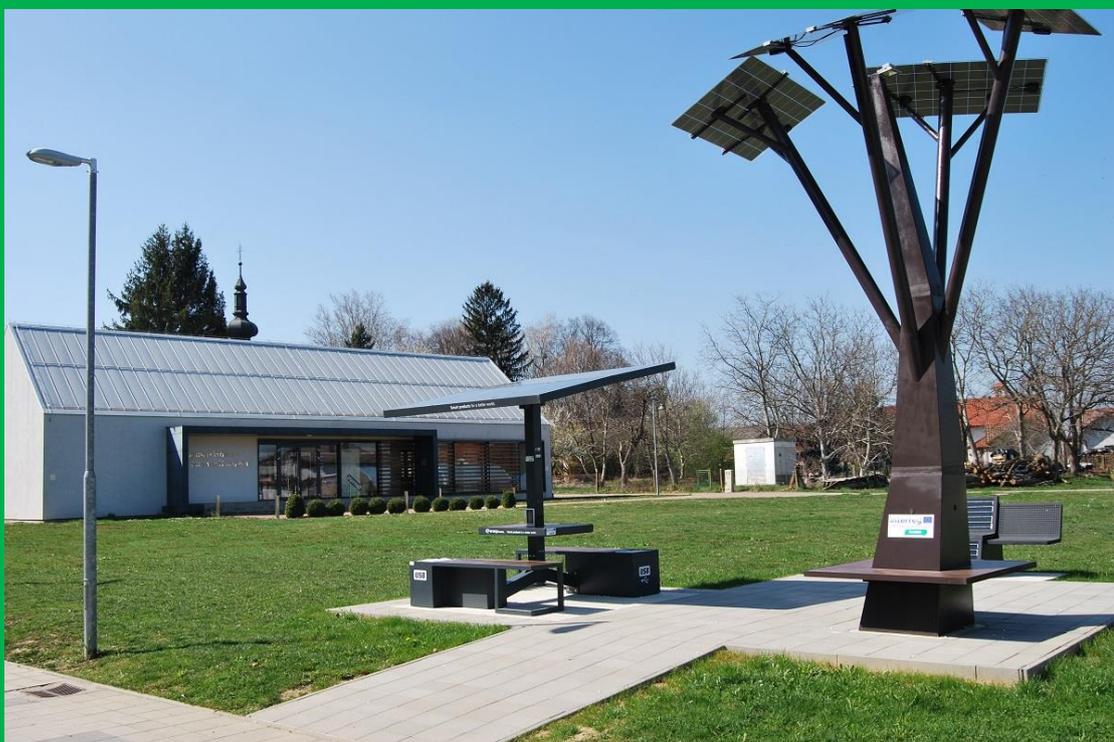
Some technical information: <https://www.interreg-central.eu/Content.Node/Solar--E-TREE-1.html>

Opening of Solar “E-Tree” - media coverage:

<https://www.youtube.com/watch?v=txMwWrd8J4I&feature=youtu.be>

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RURES is a project financed under the Interreg Central Europe programme that sets to exploit the potential of renewable energies (RES) and energy efficiency (EE) in rural regions as they have a great potential for reaching energy autonomy. Within RURES local support group composed of all relevant actors will be established acting as a regional energy network for implementing energy efficiency plans. Best-practices of alternative financing models for EE/RES measures will be researched and become the basis for new feasibility studies on how to implement energy efficiency plans. The calculator tool (for municipal taxes and other incomes) will highlight the importance of a community-oriented regional development and further underline the benefits and added value generated by exploiting EE/RES.

Internet: <http://www.interreg-central.eu/Content.Node/RURES.html>

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