

Project Proposal Title:

**DANUBE LOW CARBON TECHNOLOGIES PLATFORM**

Acronym: DANUBE LOW-CO<sub>2</sub> / DANUBE-LCT

<b>Priority Axis<sup>1</sup>:</b>	1. Innovative and socially responsible Danube region
<b>Specific objective:</b>	1.1. Improve framework conditions for innovation
<b>The concrete contribution to the implementation of the Priority Area:</b>	The project results will enhance the collaboration between R&I, University and enterprises in the field of low carbon technologies. Also will reduce the polarisation within the Danube Region concerning innovation and research.
<b>The contribution toward achievement of the EUSDR current targets and/or corresponding actions<sup>2</sup>:</b>	Project will contribute to reach the target of <ul style="list-style-type: none"> <li>- “Connecting the Danube region”, action 2 - “To encourage more sustainable energy” by developing and promoting the use of low carbon technologies (e.g. technologies with higher efficiency, renewable)</li> <li>- “Protecting the environment in the Danube region”, action 7 - “To preserve biodiversity, landscapes and the quality of air and soils” by promoting the use of low carbon technologies who had lower air emissions</li> <li>- “Building prosperity in Danube region”, action 7 - “To develop the knowledge society through research, education and information technology” by creating a competence centres network</li> <li>- “Building prosperity in Danube region”, action 8 - “To support the competitiveness of enterprises, including cluster development” by creating a least one cluster in the field of low carbon technologies</li> </ul>
<b>The project duration (implementation of project activities)<sup>3</sup>:</b>	28

**SPECIFIC INFORMATION**

<b>Objectives</b>	<ul style="list-style-type: none"> <li>- Enhanced cooperation in the field of low carbon technologies and formation of a long term cooperation platform</li> <li>- Set-up of a right policy mix to achieve smart, sustainable and inclusive growth and competitiveness in the Danube macro-region</li> </ul>
<b>Foreseen activities</b>	<ul style="list-style-type: none"> <li>- Identifies existing LCT options for energy, industry, transport and building sectors applicable in the context of Danube region</li> <li>- Identifies the possible air emissions reduction of LCT with biggest impact</li> <li>- Establish at least of one LCT cluster in one of the partners country (e.g. Romania)</li> <li>- Developing a competence centres network for LCT</li> <li>- Developing LCT development roadmap / Action plan</li> <li>- Study to establish the social acceptance of use of some LCT (e.g. for CCS) in Danube region</li> </ul>
<b>Expected results</b>	<ul style="list-style-type: none"> <li>- A unique combinations of complementary skills, knowledge and equipments in the LCT field</li> <li>- Tailor-made solution applicable in the context of Danube region in order to achieve a LCE</li> <li>- Strengthening the cooperation between R&amp;I, University and enterprises in the field of LCT</li> </ul>

<sup>1</sup> [http://www.dtpevent.eu/doc/Part\\_1\\_DTP\\_Applicants\\_Manual\\_Danube\\_Transnational\\_Programme.pdf](http://www.dtpevent.eu/doc/Part_1_DTP_Applicants_Manual_Danube_Transnational_Programme.pdf)

<sup>2</sup> <http://www.danube-region.eu/component/edocman/action-plan-eusdr-pdf>

<sup>3</sup> maximum 30 months

<b>Proposed partners (country)<sup>4</sup></b>	<ul style="list-style-type: none"> <li>- Austria, Bulgaria, Croatia, Czech Republic, Hungary, Germany (Baden-Württemberg and Bavaria), Slovakia, Slovenia</li> <li>- Bosnia and Herzegovina, Montenegro, Serbia</li> </ul>
<b>Expected impact</b>	<ul style="list-style-type: none"> <li>- Smaller disparity between levels of innovation performance and knowledge in low carbon technologies</li> <li>- Increased flow of information and knowledge between regions</li> <li>- Better transnational cooperation and coordination on institutional level</li> <li>- Strengthen information transfer to the SMEs and encouraging the quadruple helix approach in this domain.</li> </ul>
<b>Output indicators<sup>5</sup></b>	<ul style="list-style-type: none"> <li>- Strategy for improving transnational cooperation in the low carbon technologies field</li> <li>- Strategy for promoting low carbon investment</li> <li>- Pilot actions (a low carbon technologies cluster in Romania and a network of competence centre on low carbon technologies)</li> <li>- On-line platform for enhance transnational cooperation</li> </ul>

**LCT – Low Carbon Technologies**

**LCE- Low Carbon Economy**

<b>ROMANIAN PARTNERS BRIEF PRESENTATION</b>	
<b>UPB – University Politehnica of Bucharest</b>  <b>ECOMET - Center for Research and Eco-Metallurgical Expertise</b>	<ul style="list-style-type: none"> <li>✓ UPB is the largest and the oldest technical university in the country and among the most prestigious universities in Romania</li> <li>✓ tradition developed in over 190 years through the effort of the most important nation's schoolmasters and of the generations of students</li> <li>✓ permanently involved in a dialogue with great universities in Europe and all over the world</li> <li>✓ creating knowledge mainly by scientific research, giving it out by education and professional training, disseminating it by information technologies, as well as the use of technological innovation are elements that define the university distinctive profile</li> <li>✓ through its 15 faculties and 50 research centres under it's authority is undergoing intense research activity recognized both at national and especially internationally level</li> <li>✓ <b>ECOMET</b> through its new specializations and laboratories is meeting the demand for technological and scientific development in the field of environmental technologies (including low carbon technologies), advanced materials and nanoscience, being involved in several national and international (ERASMUS, SOCRATES, bilateral programs, Leonardo Da Vinci, Phare, etc.) research projects</li> <li>✓ advises on climate change and air pollution for industrial processes, thus developing national policies and strategies at governmental level</li> <li>✓ delivers consulting &amp; expertise for private and public clients, local and abroad</li> </ul> <p><a href="http://www.upb.ro/en/">www.upb.ro/en/</a>, <a href="http://ecomet.pub.ro/home/">http://ecomet.pub.ro/home/</a></p>
<b>ISPE</b>  <b>Institute for Studies and Power Engineering</b>	<ul style="list-style-type: none"> <li>✓ in 65 years of activity ISPE developed the entire power and heat generation, transmission and distribution systems at national level</li> <li>✓ delivers strategic consulting &amp; engineering services for private and public clients, local and abroad</li> <li>✓ advises on critical issues in security of energy supply, climate change and energy efficiency, thus developing national policies and strategies at governmental level</li> <li>✓ gained a broad experience in implementing and developing solutions in projects funded by European programs such as: ESIF, SEE, FP7, BS-ERA.NET, FENCO-ERA.NET, Research Fund for Coal and Steel, etc.</li> </ul> <p><a href="http://www.ispe.ro">www.ispe.ro</a></p>

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<sup>4</sup> [http://www.dtpevent.eu/doc/Part\\_2\\_DTP\\_Applicants\\_Manual\\_Project\\_requirements.pdf](http://www.dtpevent.eu/doc/Part_2_DTP_Applicants_Manual_Project_requirements.pdf)

<sup>5</sup> [http://www.dtpevent.eu/doc/Annex\\_I\\_DTP\\_Applicants\\_Manual\\_Intervention\\_logic.pdf](http://www.dtpevent.eu/doc/Annex_I_DTP_Applicants_Manual_Intervention_logic.pdf)