

<b>Project Reference #1</b>	
Project Title:	<b>"Waste to Energy for Western Balkan Cement Industry"<sup>1</sup> (March 2020 – December 2022)</b> Under the program for cooperation with the business sector <a href="http://develoPPP.de">develoPPP.de</a>
Financed by:	The Federal Ministry for Economic Cooperation and Development of Germany (BMZ), Titan Cementarnica USJE (N Macedonia)
Implementing Partners:	Coordinator: <b>The German Corporation for International Cooperation (GIZ)</b> <b>giz</b>   Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH  Partner Company: <b>Titan Cementarnica USJE (N Macedonia)</b> Partner Organization: <b>Resource Environmental Center (REC) – North Macedonia</b>
Project Aim:	The project aims to determine the preconditions for the use of municipal and industrial waste and waste tires for the production of alternative fuel from waste (RDF/SRF) <sup>2</sup> for the cement industry, in order to achieve opportunities for economic utilization of various waste streams, by utilizing the potential of the existing infrastructure and the network for collection, preparation and processing of the communal and other priority waste for production of RDF/SRF.  Among others, the project aims to encourage <b>cooperation between the public and private sector for knowledge exchange and overcoming challenges</b> , with the ultimate goal: <ul style="list-style-type: none"> <li>• Providing a sustainable solution to reduce the amount of municipal and other types of waste,</li> <li>• Reducing the use of fossil fuels for energy production in the cement industry in the region,</li> <li>• Benefits for the environment through reduced use of natural raw materials,</li> <li>• Acting according to the hierarchy in waste management and reducing the amount of waste, which results in untidy municipal and illegal landfills</li> <li>• Reducing the total production costs and increasing the competitiveness of the companies on the international market.</li> </ul>

<sup>1</sup> N. Macedonia is one out of three beneficiary countries in the project.

<sup>2</sup> (RDF/SRF): Refuse-derived fuel / Solid recovered fuel

Expected results:	<ul style="list-style-type: none"> <li>(1) Developing market research to analyze the overall market potential and input availability of RDF within the country;</li> <li>(2) Conducting an open dialogue and trust relationship with local and central government on best state-of-the-art practices and knowledge transfer of technical and environmental standards related to co-processing of waste and monitoring emissions;</li> <li>(3) public awareness campaigns targeting the local communities and local government to inform them about the economic and environmental advantages, possible risks and mitigations that differ burning fossil and alternative fuels;</li> <li>(4) Analysis of the financial and economic needs and investment risks for co-processing of alternative fuels, through a cost-effective usage of different waste streams as RDF/SRF in long-run.</li> </ul>
Expected impacts:	<ul style="list-style-type: none"> <li>(5) Operational plan for co-processing of municipal waste has been signed between policy decision makers (local and national authorities) and cement industry representatives in each of two involved countries</li> <li>(6) Increase in approval rate by citizens and/or company representatives in three countries for co-processing waste as alternative fuel in cement industry</li> <li>(7) Public and/or private investors formally declare their intent for financing local RDF production (in 2 out of 3 involved countries).</li> </ul>

<b>Project Reference #2</b>	
Project Title:	<i>"Strengthening institutional capacities for mainstreaming quadruple<sup>3</sup> synergy schemes in implementation of the National Action Plans (NAPs) for implementation of SAICM and inclusion of Minamata convention"</i> (April 2020 – June 2022)
Financed by:	Special Programme Trust Fund under UNEP
Implementing Partners:	Program related: <b>Ministry of Environment and Physical Planning, POPs and Ozone Unit</b> Administration and Financial Management: <b>Resource Environmental Center (REC) – North Macedonia</b>

<sup>3</sup> Enhance the implementation of the Basel, Rotterdam and Stockholm conventions, the Minamata Convention on Mercury and the Strategic Approach to International Chemicals Management

Project Aim:	<p>The project aims to involvement of all considered institutions/stakeholders for the renewing of the existing structures dealing with chemicals and waste management (National Coordination Group for SAICM) that will be reaffirmed and established a National Steering Committee (NSC) for Chemicals and Waste.</p> <p>The representatives from environment, health, agriculture, labor, finance, economy, industry, mining and energy, external affairs and planning sectors, trade unions and civil society organizations, as well as Stockholm Convention Regional Centre in the Czech Republic (RECETOX) as project partner, will be involved in the NSC work.</p>
Project Activities:	<ol style="list-style-type: none"> <li>(1) Creation and operationalization of developing Working Groups/Task Teams consisting of representatives of all institutions with expertise/familiar with (i) Legislation and (ii) Institutional Aspects.</li> <li>(2) Develop report on the activities fulfilled in sense of SAICM NAP implementation in the period 2011 – 2015 and state of the triple synergy scheme implementation and situation report for the state of chemical and waste management in the period 2015-2017 with special accent on institutional aspects, SWOT analysis of institutional and legal aspects of chemical and waste management, organize workshop on institutional and legal aspects linked with implementation of the chemicals and waste treaties and trainings (national and regional) on capacity building of the institutions involved in chemicals and waste management.</li> <li>(3) The outputs of the working group work will be: <ol style="list-style-type: none"> <li>a. updated national action plan for strategic chemicals and waste management for the period 2017 – 2021, creation of quadruple synergy scheme and</li> <li>b. development of Terms of Reference of the separate division responsible for joint implementation of the Basel, Rotterdam, Stockholm, Minamata Convention and SAICM to be established under the Ministry of Environment and Physical Planning and its incorporation within the updated NAP.</li> </ol> </li> </ol>
Expected impacts/results:	<p>The main project result would be a foundation (upgrading NAP with actions on creation of a joint division and its adoption by the Macedonian Government) for establishment of a division responsible for joint implementation of the Basel, Rotterdam, Stockholm and Minamata Convention under the Ministry of Environment and Physical Planning and its integration in the updated NAP.</p>

<b>Project Reference #3</b>	
Project Title:	<b><i>“Supporting youth-led initiatives to assist protection and sustainable development of UNESCO World Heritage Lake Ohrid”</i></b> <b>(September 2021 – March 2022)</b>
Financed by:	Programme of Participation in the activities of Member States for 2020-2021 under UNESCO
Implementing Partners:	Program related: <b>Ministry of Culture, National Commission for UNESCO – R. of North Macedonia</b> Administration and Financial Management: <b>Resource Environmental Center (REC) – North Macedonia</b>
Project Aim:	The aim of the project is to bridge the awareness, knowledge, and capacity gaps among secondary school students in the municipality of Ohrid towards recognizing, accepting and protecting the singular qualities of their region. Target group, Secondary school students in the municipality of Ohrid area (15-19 y/o)
Expected results:	<ol style="list-style-type: none"> <li>(1) Maximum 20 teachers from 4 secondary schools in Ohrid have successfully piloted the UNESCO educational resource kit World Heritage in Hands of Youth in the curriculum of at least two subjects (biology, geography, chemistry, history, civic education or whatsoever)</li> <li>(2) Up to 100 students from 4 secondary schools in the municipality of Ohrid have attended field trips to various important natural and cultural sites in the lake Ohrid region under the supervision of experts from various fields and CSO representatives;</li> <li>(3) Up to 100 students from 4 secondary schools in the municipality of Ohrid have produced maximum 20 research projects;</li> <li>(4) 3 the best student projects (out of 20) are enacted through a public outreach campaign;</li> <li>(5) Up to 100 students from 4 secondary schools in the municipality of Ohrid have attended a workshop on attending public hearings, writing letters to decision-makers and preparing requests for information – followed by attending a public hearing, writing a letter to decision-makers and preparing a request for information;</li> </ol>
Expected impacts:	<ol style="list-style-type: none"> <li>(1) Raise the awareness of secondary school students from the Lake Ohrid area on the natural and cultural values of the Lake Ohrid region as well as improving the knowledge on UN SDGs tiny related to sustainable development (including climate change);</li> <li>(2) Initiate youth action through networking with active local civil society organizations, peer groups and experts;</li> <li>(3) Educate and motivate secondary school students to actively participate in the decision-making</li> </ol>

	process and create lasting bottom-up pressure on decision-makers when needed.
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<b>Project Reference #4</b>	
Project Title:	<b><i>“Invitation for the submission of proposals for the implementation of: Teachers professional development, capacity building and peer learning on environmental and climate change education”</i></b> <b>(May 2022 – October 2023)</b>
Financed by:	UNICEF North Macedonia 2021-2025 country programme
Implementing Partners:	Program related: <b>Ministry of Education and Science - R. of North Macedonia</b> Partner organization : <b>Bureau for Development of Education (BDE) - R. of North Macedonia</b> Administration and Financial Management: <b>Resource Environmental Center (REC) – North Macedonia</b>
Project Aim:	The aim of the project is to enhance teachers skills for delivery of new teaching curricula <sup>4</sup> that should integrate the environment and climate change topics into the syllabuses/courses in geography, biology, chemistry and physics (from 6-9 grade) as well as natural sciences (5 <sup>th</sup> grade). Target group, Elementary school students from 5 <sup>th</sup> to 9 <sup>th</sup> grade in 350 elementary schools in Republic of North Macedonia.
Expected results and impacts:	<ul style="list-style-type: none"> <li>(1) responsible core group (Master Trainers) to disseminate qualitative training on environment and climate change education</li> <li>(2) applicable teaching materials packed in a form of Teachers Handbook</li> <li>(3) professional teaching communities (teams of trained teachers) ready to contribute for capacity building of all teachers in the country.</li> </ul>

<sup>4</sup> The new teaching curricula is being drafted under the New Education Reform Concept <https://mon.gov.mk/stored/document/Koncepcija%20MK.pdf>

<b>Project Reference #5</b>	
<p>Project Title:</p> <p>Financed by:</p>	<p><b><i>“Resilient Skopje: Scaling-up for Sustainability, Innovation and Climate Change”, Registering of geo-reference points and Inventorization of trees and shrubs as part of the Skopje Green Cadaster</i></b>  <b>phase IV(June2020 - November 2020)</b>  <b>phase V (September 2021- December 2021)</b></p> <p>UNDP office North Macedonia</p>
<p>Implementing Partners:</p>	<p>Program related: <b>City of Skopje</b>  Administration and Financial Management: <b>Resource Environmental Center (REC) – North Macedonia</b></p>
<p>Project Aim:</p>	<p>The aim of the project is the digital identification of spatial coordinates (geo-references) of trees and shrubs within the boundaries of City of Skopje, and their inventorization with detailed attributes (e.g. type, height, health condition, etc.) which provide valuable information for the improvement of the management of the public greenery, as well as input for various urban resilience analysis.</p>
<p>Expected results and impacts:</p>	<ul style="list-style-type: none"> <li>(1) Digital geo-referencing of 18 750 points, of trees and shrubs, (Phase IV)</li> <li>(2) Inventorization of the same 18,750 geo-referenced points (trees and bushes), (Phase IV).</li> <li>(1) Digital geo-referencing of 12 500 points, of trees and shrubs, (Phase V)</li> <li>(2) Inventorization of the same 12,500 geo-referenced points (trees and bushes), (Phase V).</li> </ul>