

Supplemental material for

“Toward Stronger Integration of Education for Sustainable Development Into the Carpathian Convention Activities: Reflection on the Process and Outlook”, by Tamara Mitrofanenko, Attila Varga, and Joanna Zawiejska, published in *Mountain Research and Development* 40(4), 2020. (See <https://bioone.org/toc/mred/40/4>)

APPENDIX S1 Text related to Education for Sustainable Development (ESD) in Carpathian Convention Conference of the Parties decisions and other Convention documents.

Document type	ESD-related text in COP decisions and documents	COP1 2006	COP2 2008	COP3 2011	COP4 2014	COP5 2017
COP Decisions reflecting projects, initiatives and actions of the Secretariat	Decision COP1/12 2. Takes note of information submitted in the Annexes, as contained in the Secretariat note on cross-cutting issues, including awareness raising, education and public participation UNEP/CC/COP1/13... ; 8. Requests the interim Secretariat to work with ANPED and other interested partners to establish a communication system to provide for distribution of information on the progress of the Convention to the wider civil society.					
	Decision COP3/9 1. Welcomes the progress by Move 4 Nature , thanks the private sector for the contribution, and invites further support to the initiative.					
	Decision COP4/9 1. Welcomes the outcomes of the EU Lifelong Learning project “Big Foot. Crossing Generations, Crossing Mountains”, aimed at sustainable development of rural mountains regions through intergenerational learning , and invites support to the use of the Big Foot Transferability Tool Kit to transfer the project results to the Carpathian countries ; 2. Welcomes the new Lifelong Learning project Innovation in Rural Tourism (InRuTou), which includes Carpathian Convention partners from Poland, Romania and Ukraine and has a vocational learning component for sustainable rural tourism development ; 6. Requests the Secretariat, in consultation with Parties and relevant partners, to facilitate cooperation of the Carpathian Convention with the United Nations Economic Commission for Europe (UNECE) Steering Committee on ESD , and to investigate options for establishing a Carpathian Regional Network within this process, in order to strengthen Carpathian countries in implementation and follow-up of the UN Decade of Education for Sustainable Development ; 10. Welcomes the cooperation of the Secretariat with UNIDO on training of young entrepreneurs in the Carpathian region in sustainable and green entrepreneurship.					
	Decision COP5/3 5. Welcomes the cooperation between the Secretariats of the Carpathian and Alpine Conventions and the Regional Academy on the United Nations (RAUN) in mentoring a group of researchers for the development of a study on women’s access to natural resources, ...;					
	Decision COP5/14 1. Welcomes the outcomes of the Side Event held during the 13th Meeting of the Conference of the Parties to the Convention on					

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	<p>Biological Diversity ...launching of the Mountain Biodiversity for our Wellbeing online platform and strengthening awareness of the need for integrated approaches for ecosystem management in mountain regions based on examples of solutions shared by the stakeholders from the Carpathians...;</p> <p>4. Welcomes the outcomes of the Lifelong Learning project Innovation in Rural Tourism (InRuTou), which included Carpathian Convention partners from Poland, Romania and Ukraine and had a vocational learning component for sustainable rural tourism development, notes organization of the Networking Event of a project that took place on 15 July 2015 in Vienna, Austria, and invites the relevant stakeholders and the Secretariat to develop a follow up project;</p> <p>5. Welcomes and appreciates the activities on awareness raising undertaken by the Secretariat, such as involvement in organization of the Model United Nations Conference on Environment and Sustainable Development (MUNESD) arranged for students on 18 – 22 April 2016 in Vienna, Austria, which took the Carpathian Convention and its COP as an example of negotiation process of an environmental agreement, as well as of the students visits, especially of the Carpathian countries, and invites the Secretariat to continue these activities.</p>						
COP Decisions reflecting projects, initiatives and actions of the Convention parties and partners	<p>Decision COP1/12</p> <p>5. Supports and recommends to establish and develop national mechanisms to foster the implementation of the Carpathian Convention, including information, involvement and capacity building of all relevant stakeholders and civil society, related to the progress and the further development of the Carpathian Convention.</p>						
	<p>Decision COP2/10</p> <p>2. Welcomes the important contributions by ANPED, REC, ENSI and EURAC to awareness raising, education and public participation in the Carpathian Convention implementation process...;</p> <p>3. Supports and appreciates the Carpathian Sustainable Education Network (CASALEN) initiative and requests the interim Secretariat to assist its further development and implementation, and appreciates the related financial support provided by the private sector;</p> <p>5. Reiterates its recommendation to establish and develop national mechanisms to foster the implementation of the Carpathian Convention, including information, involvement and capacity building of relevant stakeholders and civil society related to the process and the future development of the Carpathian Convention;</p> <p>6. Invites Parties and other stakeholders to carry out regional consultations and to continue to raise public awareness in order to promote the Carpathian Convention implementation process.</p>						
	<p>Decision COP3/9</p> <p>2. Decides to actively support the expansion of the Tool Kit to other countries and supports cooperation with other partners and other mountain regions in Education for Sustainable Development, such as the Alps, the Balkans and the Caucasus.</p>						
	<p>Decision COP4/9</p> <p>3. <i>Welcomes</i> the continuous use of innovative Information and Communication Technologies approaches in Education and Public Participation, such as the Communities Livelihood Platform, developed by the Big Foot project, or the E-learning platform of the InRuTou project, and <i>invites</i> the Parties to support their active use by the Carpathian communities, organizations and individuals;</p>						

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	<p>5. <i>Recalls</i> the progress by Move 4 Nature Programme, and invites further support to the adaptation of the Tool Kit to other countries and translation to other Carpathian languages, and supports cooperation with other partners and other mountain regions in Education for Sustainable Development (ESD), such as the Regional Center of Expertise in ESD and other partners in the Alps, the Balkans and the Caucasus;</p> <p>7. <i>Invites</i> the Focal Points of the Carpathian Convention to coordinate with the Focal Points of the UNECE steering committee on ESD, in order to inform each other about the respective activities and developments on the national level, and to share the results of this coordination with the CCIC.</p>					
<p>COP Decisions reflecting projects, initiatives and actions of the Convention parties and partners</p>	<p>Decision COP5/3</p> <p>6. <i>Appreciates</i> invitation and support of the Alpine Network of Protected Areas to members of the CNPA for organization of the Youth at the Top events in 2016 and 2017 within the collective project of ALPARC and Educ'Alps, and <i>encourages the Parties</i> and the CNPA members to join the initiative in the future;</p> <p>Decision COP5/4</p> <p>8. Welcomes the Memorandum of Cooperation signed between the CNPA, ALPARC and DANUBEPARKS on 12 October 2016; and encourages further cooperation on ecological connectivity, exchanges on protected areas matters, education and other specific topics common to the three networks;</p> <p>9. Recognizes that Carpathian wetlands provide a wide range of ecosystem services that are important... invites the Carpathian Wetland Initiative (CWI) to enhance cooperation and to mobilize resources in support of appropriate action on the effective conservation, restoration, management and sustainable use of Carpathian wetlands, as well as on development of education and training in these topics;</p> <p>Decision COP5/13</p> <p>1...The Parties ..., shall: ... b. pursue policies aiming at climate change adaptation by promoting research and scientific cooperation, cross-sectoral integration, transnational cooperation, awareness raising, public participation and cooperation of all stakeholders...;</p> <p>Decision COP5/14</p> <p>2. Welcomes the proposal of the Hungarian Presidency to organize a seminar in 2018/2019 on the issues on environmental and sustainable development education and awareness raising in kindergartens and schools with the aim of exchanging best practices in the Carpathian region and exploring of further cooperation, and requests the Secretariat to support the process;</p> <p>3. Reiterates interest in further cooperation with the United Nations Economic Commission for Europe (hereinafter UNECE) Steering Committee on Education for Sustainable Development (ESD), requests the Parties, the Secretariat and relevant partners, among others the UNECE and S4C, to consider common activities on awareness raising, for instance, establishing contest for school students and/or young scientists with reference to the Carpathian matters;</p>					

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	<p>Decision COP5/19 The Conference of the Parties ... welcomes the new Presidency of Hungary and its priorities as presented at the presidential statement with particular attention to climate change, awareness raising and education, environmental safety, cultural heritage, sustainable agriculture and rural development, and encourages close cooperation of the Carpathian Troika consisting of the previous, current and future Presidencies in order to maximise the results of common efforts.</p>					
Decisions and Documents related to the S4C	<p>Decision COP2/9 1. Welcomes the establishment of the “Science for the Carpathians” initiative as a platform of researchers for and in the Carpathians for the implementation of Article 12 of the Carpathian Convention.</p>					
	<p>Decision COP3/8 2. Welcomes the outcomes of Forum Carpaticum 2010 and the preparation for Forum Carpaticum 2012, recognizes the Science for the Carpathians Network as an important basis for policy making in the Carpathians, and requests the Secretariat to further develop modalities for cooperation.</p>					
	<p>Documents: S4C – A Vision of the Carpathian Research; Science for the Carpathians S4C outcomes Forum Carpaticum - Status and future directions of research in the Carpathians</p>					
	<p>Decision COP4/8 6. Welcomes the Memorandum of Understanding between the Carpathian Convention and the Science for the Carpathians Initiative signed at the Forum Carpaticum 2012; 7. Welcomes the outcomes of the Forum Carpaticum 2014: Local Responses to Global Challenges presented at the COP4, and requests the Secretariat to further develop the cooperation with the Science for the Carpathians initiative.</p>					
	<p>Documents:</p> <ul style="list-style-type: none"> • Presentation: Carpathians and Carpathian science addressing the global challenges - S4C <ul style="list-style-type: none"> ○ Mentions education among the main challenges: education for Sustainable Development in the Carpathian countries, Carpathian Curriculum for universities - virtual network of universities, research institutions, and NGOs joined by common training courses. 					
Decisions and Documents related to the S4C	<p>Decision COP5/12 5. Welcomes the outcomes of the Forum Carpaticum 2016: Future of the Carpathians: Smart, Sustainable, Inclusive, held on 28 – 30 September 2016 in Bucharest, Romania, that were presented at the COP5, invites the Science for the Carpathians (hereinafter S4C) initiative to further support the Carpathian Convention with its sound scientific knowledge and expertise.</p>					
Protocols	<ul style="list-style-type: none"> • Protocol on Conservation and Sustainable Use of Biological and Landscape Diversity to the Framework Convention on the Protection and Sustainable Development of the Carpathians. <ul style="list-style-type: none"> ○ Article 24. Education, information and public awareness, para 1: The Parties shall promote the education, information and awareness-raising of the public regarding the objectives, measures and implementation of this Protocol. 					

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	<ul style="list-style-type: none"> • Protocol on Sustainable Forest Management to the Carpathian Convention <ul style="list-style-type: none"> ○ Article 21. Education, information and public awareness, para 1. The Parties shall promote the education, information and awareness-raising of the public regarding the objectives, measures and implementation of this Protocol) • Protocol on Sustainable Tourism to the Carpathian Convention. <ul style="list-style-type: none"> ○ Article 28, para 1. Same text as above. 					
	<ul style="list-style-type: none"> • Protocol on Sustainable Transport to the Carpathian Convention <ul style="list-style-type: none"> ○ Article 18. Education, information and public awareness, para 1. 					
	<ul style="list-style-type: none"> • Protocol on Sustainable Agriculture and Rural Development to the Framework Convention on the Protection and Sustainable Development of the Carpathian <ul style="list-style-type: none"> ○ Article 1. para. 3 The Parties shall, therefore, cooperate especially on: ... e) Strengthening of formal and informal education, advanced training and qualification including intergenerational learning, access to local public services and advisory service; ○ Article 16. Promotion of formal and informal education: <ol style="list-style-type: none"> 1. Each Party shall take measures to create an enabling environment for the promotion of education and intergenerational learning; 2. The Parties shall strengthen cooperation of local and national educational institutions and bodies to extend and to improve education, advanced training and qualification of people from different working areas (“lifelong learning”); 3. Parties shall promote education and communication to raise public awareness on local varieties of cultivated plants and animals and on the advantages of local short food supply systems and raise awareness to improve risk management. 					
	<ul style="list-style-type: none"> • UNEP/CC/COP1/13 Secretariat note on cross-cutting issues, including awareness raising, education and public participation: <ul style="list-style-type: none"> ○ Mention of the REC Green Pack, development of similar educational packages, and suggestion of trainings held for teachers and staff of protected areas in charge with educational activities. 					
Strategic Documents	<ul style="list-style-type: none"> • Strategy for the Sustainable Tourism Development of the Carpathians <ul style="list-style-type: none"> ○ includes as Objective 3: Establish a continuous process of awareness raising, capacity building, education and training on sustainable tourism development and management at all levels and outlines respective activities. • Strategic Action Plan for the Implementation of the Forest Protocol <ul style="list-style-type: none"> ○ Objective 17 – Education, information and public awareness: Results expected a) Education and training courses on sustainable forest management integrated into educational national systems, as appropriate; b) Informational campaigns aimed at promoting society ecological education, raising public awareness on Carpathian forests, including related cultural heritage and traditional knowledge practices, and measures on strengthening of sustainable forest management in the Carpathian region implemented. • Strategic Agenda on Adaptation to Climate Change in the Carpathian Region 					

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	<ul style="list-style-type: none"> ○ Para 15 refers to partnerships with educational institutions ○ Para 34 refers to gaining and exchanging knowledge in the description of adaptive management (footnote)v: ...Examples of steps that can be taken to build adaptive capacity include: increasing knowledge of potential climate risks for individual river basins; strengthening data collection and knowledge exchange amongst key stakeholders; cross-sectoral integration and partnership working; awareness raising education and training. 					
Other Documents	<ul style="list-style-type: none"> ● Meeting Report - Workshop "The possibilities of Carpathian cooperation in the field of ESD"- Carpathian Sustainability Education Network (CASELEN); ● Handbook on the Carpathian Convention - by REC <ul style="list-style-type: none"> ○ Discusses implementation of Article 13; ● A Heightened Perspective: Regional Assessment of the Policy, Legislative and Institutional Frameworks Implementing the Carpathian Convention - by REC <ul style="list-style-type: none"> ○ Assessment of educational initiatives, measures and capacities in the Carpathian Countries, recommendations outlined. 					
	<ul style="list-style-type: none"> ● Presentation: Know your Carpathians - BÍlé Kárpáty Education and Information Centre 					
	<ul style="list-style-type: none"> ● Presentation: Education for Sustainable Development in the Carpathians and discussion (WWF DCP and CC Secretariat, outlined progress to-date and recommendations); ● Presentation: Seminar on environmental and sustainable development education and awareness raising in kindergartens and schools (Attila Varga on behalf of the Hungarian Presidency, proposal for the seminar and outline of potential cooperation topics). 					