



**Economic and Social  
Council**

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**ECONOMIC COMMISSION FOR EUROPE**

Sixth Ministerial Conference  
“Environment for Europe”  
Belgrade, 10–12 October 2007  
Item 3 of the provisional agenda

Steering Committee on Education  
for Sustainable Development

**JOINT SESSION ON EDUCATION FOR SUSTAINABLE DEVELOPMENT**

**IMPLEMENTATION OF THE UNECE STRATEGY FOR  
EDUCATION FOR SUSTAINABLE DEVELOPMENT: FIRST PHASE (2007)\***

Report submitted by Latvia

**Note by the secretariat**

This report is submitted in accordance with the decisions of the UNECE Steering Committee on Education for Sustainable Development (ESD) at its first and second sessions, which took place in Geneva from 13 to 14 December 2005 and from 4 to 5 December 2006 respectively (CEP/AC.13/2005/7 and ECE/CEP/AC.13/2006/3). According to these decisions, a pilot reporting exercise by countries was launched to assess progress in the implementation of the UNECE Strategy for ESD. The Steering Committee decided to make these reports available as input documents for the joint session on ESD at the Sixth Ministerial Conference “Environment for Europe”. The pilot reporting exercise has been carried out in cooperation with UNESCO within the framework of the United Nations Decade of Education for Sustainable Development (2005-2014).

This report was submitted by the Ministry of Environment and the Ministry of Education and Science of Latvia.

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\* This report is reproduced in the language in which it was received and its text is submitted as received from the authors.



Issue <sup>1</sup> 1. ENSURE THAT POLICY, REGULATORY AND OPERATIONAL FRAMEWORKS SUPPORT THE PROMOTION OF ESD	
<i>If necessary, provide relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)</i>	
Indicator 1.1 Prerequisite measures are taken to support the promotion of ESD.	
Sub-indicator 1.1.1	Is the UNECE Strategy for ESD available in your national <sup>2</sup> language(s)?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please specify languages.</i> It is planned to accomplish translation of Strategy for ESD in Latvian in March, 2007
Sub-indicator 1.1.2	Have you appointed a national focal point to deal with the UNECE Strategy for ESD?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Ministry of Environment of Latvia, Ministry of Education and Science of Latvia
Sub-indicator 1.1.3	Do you have a coordinating body for implementation of ESD?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify its mandate and coordinating mechanism. Please also specify whether its mandate covers implementation of the UNECE Strategy for ESD.</i> A workshop designed by representatives of UNESCO Latvia, Ministry of Environment of Latvia, Ministry of Education and Science of Latvia
Sub-indicator 1.1.4	Do you have a national implementation plan for ESD?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please specify whether this plan includes implementation of the UNECE Strategy for ESD.</i>
Sub-indicator 1.1.5	Are there any synergies at the national level between UNECE ESD process, the UNESCO global process on the UN Decade of ESD, <sup>3</sup> and other policy processes relevant to ESD?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify.</i> See sub-indicator 1.1.3. A workshop designed by representatives of UNESCO Latvia, Ministry of Environment of Latvia, Ministry of Education and Science of Latvia

<sup>1</sup> Issues 1 to 6 are in accordance with the objectives of the Strategy.

<sup>2</sup> For countries with a federal government structure, all references to “national” apply to “state”, as appropriate. In this context, “data at the national level” means aggregated data received from substate entities.

<sup>3</sup> The United Nations General Assembly in its resolution 57/254 of 20 December 2002 proclaimed the 10-year period beginning on 1 January 2005 the United Nations Decade of Education for Sustainable Development.

Indicator 1.2 Policy, regulatory and operational frameworks support the promotion of ESD.																																																		
Sub-indicator 1.2.1	Is ESD reflected in any national policy <sup>4</sup> document(s)?																																																	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify and list major document(s)</i> Latvian Sustainable Development Strategy (approved by the Cabinet of Ministers on August 13, 2002.)																																																	
Sub-indicator 1.2.2	Is ESD: (a) addressed in relevant national education legislation/regulatory document(s); and (b) included in your national curricula and/or national standards/ordinances/ requirements; at all levels of formal education, as understood by your education system in accordance with ISCED? <sup>5</sup>																																																	
(a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (b) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<p><i>Please specify for (a) and (b). Fill in the table by ticking (V) as appropriate.</i></p> <table border="1"> <thead> <tr> <th rowspan="2">ISCED<sup>6</sup></th> <th colspan="2">(a)</th> <th colspan="2">(b)<sup>7</sup></th> </tr> <tr> <th>Yes</th> <th>No</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5<sup>8</sup></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Teacher education</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	ISCED <sup>6</sup>	(a)		(b) <sup>7</sup>		Yes	No	Yes	No	0					1					2					3					4					5 <sup>8</sup>					6					Teacher education				
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Sub-indicator 1.2.3	Are non-formal and informal ESD addressed in your relevant national policy and/or regulatory document(s) and operational frameworks?																																																	
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please specify.</i> The documents regarding the non-formal and informal education only now are being developed, so far there have been no regulatory documents that would operate this field of education.																																																	
Sub-indicator 1.2.4	Is public awareness in relation to ESD addressed in relevant national document(s)?																																																	
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please specify.</i>																																																	
Sub-indicator 1.2.5	Does a formal structure for interdepartmental <sup>9</sup> cooperation relevant to ESD exist in your government?																																																	
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please specify.</i>																																																	

<sup>4</sup> Policy documents may include national strategies, plans, programmes, guidelines and the like.

<sup>5</sup> International Standard Classification of Education (ISCED), UNESCO, 1997 ([http://www.unesco.org/education/information/nfsunesco/doc/isced\\_1997.htm](http://www.unesco.org/education/information/nfsunesco/doc/isced_1997.htm)).

<sup>6</sup> Education level in accordance with ISCED.

<sup>7</sup> National curricula and/or national standards/ordinances/requirements.

<sup>8</sup> For higher education institutions when answering: (1) regarding national legislation: this objective is focussing equally at the first stage of tertiary education (Bachelor), the second stage (MSc) and the third stage (PhD) while covering various aspects such as **service agreements/contracts, national strategies of R&D, university organisation and studies acts, or general laws of higher educations.**; (2) regarding national and/or national standards/ ordinances/ requirements: special attention shall be devoted to indications of linking systems of **quality assurance and accreditation** (with regard to the Bologna process) for higher educations institutions with ESD, as well as to **regulations of study programmes and study fields** which reflect the principles of ESD.

<sup>9</sup> Between state bodies.

Sub-indicator 1.2.6	Does a mechanism for multi-stakeholder cooperation on ESD exist with the involvement of your government? <sup>10</sup>												
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify.</i> A workshop designed by representatives of UNESCO Latvia, Ministry of Environment of Latvia, Ministry of Education and Science of Latvia												
Sub-indicator 1.2.7	Are public budgets and/or economic incentives available specifically to support ESD?												
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Financial support of Administration of Latvian Environmental Protection Fund is available for ESD projects (carried out mostly by Environmental NGOs) state budget for compulsory education – basic level (1.-9. grade)												
<b>Indicator 1.3 National policies support synergies between processes related to SD and ESD.</b>													
Sub-indicator 1.3.1	Is ESD part of SD policy(s) if such exist in your country?												
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify.</i> Latvian Sustainable Development Strategy (approved by the Cabinet of Ministers on August 13, 2002.)												
<b>Issue 2. PROMOTE SD THROUGH FORMAL, NON-FORMAL AND INFORMAL LEARNING</b>													
<i>If necessary, provide relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)</i>													
<b>Indicator 2.1 SD key themes are addressed in formal education.</b>													
Sub-indicator 2.1.1	Are key themes of SD <sup>11</sup> addressed explicitly in the curriculum <sup>12</sup> /programme of study at various levels of formal education?												
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: please specify in the table in Annex 1 (a) and use the scale. Indicate the results in the box below.</i> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th></tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </tbody> </table>	A	B	C	D	E	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
Sub-indicator 2.1.2	Are learning outcomes (skills, attitudes and values) that support ESD addressed explicitly in the curriculum <sup>13</sup> /programme of study at various levels of formal education?												
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify in the table in Annex 1 (b) and use the scale. Indicate the results in the box below.</i> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th></tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </tbody> </table>	A	B	C	D	E	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

<sup>10</sup> For explanation see paragraph 46 of the Strategy.

<sup>11</sup> For explanation see paragraph 15 of the Strategy.

<sup>12</sup> At the state level, where relevant.

<sup>13</sup> See footnote 14.

Indicator 2.2 Strategies to implement ESD are clearly identified.									
Sub-indicator 2.2.1	Is ESD addressed through: <sup>14</sup> (a) existing subjects <sup>15</sup> only? (b) a cross-curriculum approach? (c) the provision of specific subject programmes and courses? (d) a stand-alone project? <sup>16</sup>								
(a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (b) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (c) Yes <input type="checkbox"/> No <input type="checkbox"/> (d) Yes <input type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: For (a)–(d) please specify for different levels of education system in accordance with ISCED in the table by ticking (V) as appropriate.</i>								
	<b>ISCED levels</b>	<b>(a)</b>		<b>(b)</b>		<b>(c)</b>		<b>(d)</b>	
		<i>Yes</i>	<i>No</i>	<i>No</i>	<i>Yes</i>	<i>Yes</i>	<i>No</i>	<i>Yes</i>	<i>No</i>
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	<b>6</b>								
<b>Teacher education</b>									
Indicator 2.3 A whole-institution approach <sup>17</sup> to ESD/SD is promoted.									
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adopt a “whole-institution approach” to SD/ESD?								
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Phase II: please specify for all levels of your education system in accordance with ISCED in the table by ticking (V) as appropriate, as well as for non-formal and informal education. If relevant data are available please also specify.</i>								
	<b>ISCED levels</b>	<i>Yes</i>		<i>No</i>					
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	<b>Teacher education</b>								

<sup>14</sup> For higher education institutions: These distinctions would be equal to: a) **courses and disciplines**, b) **interdisciplinary courses**, c) **separate, specified SD courses or seminars**, and d) **stand alone projects** implemented by the department, faculty or inter-faculty structures.

<sup>15</sup> E.g. geography or biology. For higher education “subject” means “course”.

<sup>16</sup> A project is interpreted as a discrete activity with its own time allocation rather than a teaching/learning method.

<sup>17</sup> A “whole institution approach” means that all aspects of an institution’s internal operations and external relationships are reviewed and revised in light of SD/ESD principles. Within such an approach each institution would decide on its own actions, addressing the three overlapping spheres of Campus (management operations); Curriculum; and Community (external relationships).

<sup>18</sup> For higher education institutions: **Whole university, whole college or whole faculty approach** (including inter-faculty approaches).

Sub-indicator 2.3.2	Are there any incentives (guidelines, award scheme, funding, technical support) that support “a whole institution approach to SD/ESD”?																											
Yes <input type="checkbox"/> No <input type="checkbox"/>	<p><i>Phase II: Please specify what schemes are available for all levels of your education system in accordance with ISCED in the table by ticking (V) as appropriate, as well as for non-formal and informal education. If relevant data are available please also specify.</i></p> <table border="1"> <thead> <tr> <th>ISCED levels</th><th>Yes</th><th>No</th></tr> </thead> <tbody> <tr><td>0</td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>Teacher education</td><td></td><td></td></tr> </tbody> </table>	ISCED levels	Yes	No	0			1			2			3			4			5			6			Teacher education		
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Sub-indicator 2.3.3	Do institutions/learners develop their own SD indicators for their institution/organization?																											
Yes <input type="checkbox"/> No <input type="checkbox"/>	<p><i>Phase II: Please specify for all levels of your education system in accordance with ISCED, in the table by ticking (V) as appropriate, as well as for non-formal and informal education. If relevant data are available please also specify.</i></p> <table border="1"> <thead> <tr> <th>ISCED levels</th><th>Yes</th><th>No</th></tr> </thead> <tbody> <tr><td>0</td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>Teacher education</td><td></td><td></td></tr> </tbody> </table>	ISCED levels	Yes	No	0			1			2			3			4			5			6			Teacher education		
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Indicator 2.4 ESD is addressed by quality assessment/enhancement systems.																																																		
Sub-indicator 2.4.1	Are there any education quality assessment/enhancement systems that include criteria on ESD <sup>19</sup> in: (a) national systems? (b) other?																																																	
(a) Yes <input type="checkbox"/> No <input type="checkbox"/> (b) Yes <input type="checkbox"/> No <input type="checkbox"/>	<p><i>Phase II: Please specify for various levels of your education system in accordance with ISCED, in the table by ticking (V) as appropriate, as well as for non-formal and informal education. If relevant data are available please also specify.</i></p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th rowspan="2">ISCED levels</th> <th colspan="2">(a)</th> <th colspan="2">(b)</th> </tr> <tr style="background-color: #d3d3d3;"> <th>Yes</th> <th>No</th> <th>No</th> <th>Yes</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">0</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">1</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td><td></td><td></td><td></td></tr> <tr style="background-color: #d3d3d3;"> <td>Teacher education</td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table>	ISCED levels	(a)		(b)		Yes	No	No	Yes	0					1					2					3					4					5					6					Teacher education				
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Indicator 2.5 ESD methods and instruments for non-formal and informal learning are in place to assess changes in knowledge, attitude and practice.																																																		
Sub-indicator 2.5.1	Are SD issues addressed in informal and public awareness-raising activities?																																																	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify.</i> <sup>20</sup> these issues are addressed at various seminars, courses, projects, and other activities.																																																	
Sub-indicator 2.5.2	Is there any support for work-based learning (e.g. for small companies, farmers, trade unions, associations), which addresses SD issues?																																																	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify and provide examples.</i>																																																	
Sub-indicator 2.5.3	Are there any instruments (e.g. research, survey, etc.) in place to assess the outcomes of ESD as a result of non-formal and informal learning?																																																	
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Phase II: Please specify, including the results available for (a) attitude, skills and values, and (b) knowledge.</i>																																																	
Indicator 2.6 ESD implementation is a multi-stakeholder process. <sup>21</sup>																																																		
Sub-indicator 2.6.1	Is ESD implementation a multi-stakeholder process?																																																	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<p><i>Phase II: Please specify in the table in Annex 2 (a) and (b) and use the scale. Indicate the results in the boxes below.</i></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>(a) according to the UNECE Strategy on ESD</p> <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table> </div> <div style="text-align: center;"> <p>(b) according to the UN DESD</p> <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td> </tr> <tr> <td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table> </div> </div>	A	B	C	D	E	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	B	C	D	E	F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																									
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<sup>19</sup> For higher education institutions: Either **national centres for quality assessment in higher education** or cooperation with general quality assessment agencies such as the European Foundation for Quality Management (EFQM).

<sup>20</sup> Please describe how this is done – for example, in press articles, TV and radio programmes or public lectures promoting environmentally friendly goods and services, sustainable lifestyles.

<sup>21</sup> For higher education institutions: This covers the issue of **university “outreach”** (meaning a wide spectrum from regional integration, business cooperation and transdisciplinarity to eco-procurement and research-education-cooperation).

Issue 3. EQUIP EDUCATORS WITH THE COMPETENCE TO INCLUDE SD IN THEIR TEACHING	
<i>If necessary, provide relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)</i>	
<b>Indicator 3.1 ESD is included in the training<sup>22</sup> of educators.</b>	
Sub-indicator 3.1.1	Is ESD a part of the initial educators' training? <sup>23</sup>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify by filling in the table in Annex 3.</i>
Sub-indicator 3.1.2	Is ESD a part of the educators' in-service training? <sup>24</sup>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify by filling in the table in Annex 3.</i>
Sub-indicator 3.1.3	Is ESD a part of training of leaders and administrators of educational institutions?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify by filling in the table in Annex 3.</i>
<b>Indicator 3.2 Opportunities exist for educators to cooperate on ESD.</b>	
Sub-indicator 3.2.1	Are there any networks / platforms of educators and/or leaders/administrators who are involved in ESD in your country?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify.</i> Association of Environmental Educators of Latvia; Environmental Science and Education Council; Green Belt; Green Dot
Sub-indicator 3.2.2	Are ESD networks/platforms supported by the government in any way? <sup>25</sup>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify how. Please list major ones and describe as appropriate.</i>
Issue 4. ENSURE THAT ADEQUATE TOOLS AND MATERIALS FOR ESD ARE ACCESSIBLE	
<i>If necessary, provide relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)</i>	
<b>Indicator 4.1 Teaching tools and materials for ESD are produced.</b>	
Sub-indicator 4.1.1	Does a national strategy/ mechanism for encouragement of development and production of ESD tools and materials exist?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please describe.</i>
Sub-indicator 4.1.2	Is public (national, subnational, local) authority money invested in this activity?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify to what extent public authority money is invested in this activity, by providing an indication of the amount (in USD) referring to the amount of ESD-related research and development expenditures, annually.</i> Administration of Latvian Environmental Protection Fund - 15 000 US\$

<sup>22</sup> ESD is addressed by content and/or by methodology.

<sup>23</sup> For higher education institutions: The focus is here on existing **teacher training universities/colleges** regarding SD and ESD for university/college teachers.

<sup>24</sup> For higher education institutions: The focus is here on existing **in-service training programmes** regarding SD and ESD for university/college teachers in their own universities/colleges.

<sup>25</sup> Including assistance through direct funding, in-kind help, political and institutional support.



Indicator 4.2 Quality control mechanisms for teaching tools and materials for ESD exist.																															
Sub-indicator 4.2.1	Do you have quality criteria and/or quality guidelines for ESD-related teaching tools and materials that are: (a) supported by public authorities? (b) approved by public authorities? (c) tested and recommended for selection by educational institutions?																														
(a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Phase I: for (a) and (b) please describe.																														
(b) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (c) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Phase II: Please specify for (a), (b) and (c) for formal, informal and non-formal education. For (c) please also describe.																														
Sub-indicator 4.2.2	Are ESD teaching tools / materials available: (a) in national languages? (b) for all levels of education according to ISCED?																														
(a) Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> (b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Phase I: For (a) please specify.																														
	Phase II: For (b) please specify in the table by ticking (V) as appropriate.																														
	<table border="1"> <thead> <tr> <th>ISCED levels</th> <th colspan="2">(b)</th> </tr> <tr> <th></th> <th>No</th> <th>Yes</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> </tr> <tr> <td>Teacher education</td> <td></td> <td></td> </tr> </tbody> </table>	ISCED levels	(b)			No	Yes	0			1			2			3			4			5			6			Teacher education		
ISCED levels	(b)																														
	No	Yes																													
0																															
1																															
2																															
3																															
4																															
5																															
6																															
Teacher education																															
Indicator 4.3 Teaching tools and materials for ESD are accessible.																															
Sub-indicator 4.3.1	Does a national strategy/mechanism for dissemination of ESD tools and materials exist?																														
Yes <input type="checkbox"/> No <input type="checkbox"/>	Phase II: Please describe.																														
Sub-indicator 4.3.2	Is public authority money invested in this activity?																														
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Please specify to what extent by providing an indication of the amount in USD referring to the amount of ESD related R&D expenditures, annually.																														
Sub-indicator 4.3.3	Are approved ESD teaching materials available through the Internet?																														
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Please describe.																														
Sub-indicator 4.3.4	Is a register or database of ESD teaching tools and materials in national language(s): (a) accessible through the Internet? (b) provided through other channels?																														
(a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	For (a) and (b) please specify.																														

Issue 5. PROMOTE RESEARCH ON AND DEVELOPMENT OF ESD	
<i>If necessary, provide relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)</i>	
<b>Indicator 5.1 Research<sup>26</sup> on ESD is promoted.</b>	
Sub-indicator 5.1.1	Is research that addresses content and methods for ESD <sup>27</sup> supported?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Phase II: Please specify and provide the total amount annually over the reporting period, and if feasible, as % of the total research budget.</i>
Sub-indicator 5.1.2	Does any research evaluate the outcome of the implementation of the UNECE Strategy for ESD?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Please specify.</i>
Sub-indicator 5.1.3	Are post-graduate programmes available: (1) on ESD: <sup>28</sup> (a) for the master's level? (b) for the doctorate level? (2) addressing ESD: (a) for the master's level? (b) for the doctorate level?
(1) (a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (2) (a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Phase II: Please specify for (1) (a) and (b); (2) (a) and (b).</i>
Sub-indicator 5.1.4	Are there any scholarships supported by public authorities for post-graduate research in ESD: (a) for the master's level; (b) for the doctorate level?
(a) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (b) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Phase II: Please specify for (a) and (b).</i>
<b>Indicator 5.2 Development of ESD is promoted.</b>	
Sub-indicator 5.2.1	Is there any support for innovation and capacity-building in ESD practice? <sup>29</sup>
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify and provide the total amount annually over the reporting period.</i> Administration of Latvian Environmental Protection Fund – amount depends of projects approved

<sup>26</sup> These includes support from various sources, such as state, local authorities, business and non-governmental sources.

<sup>27</sup> E.g. concepts; formation of attitudes and values; development of competencies, teaching and learning; school development; implementation of ICT; means of evaluation including socio-economic impacts.

<sup>28</sup> ESD is addressed by substance and/or by approach.

<sup>29</sup> Activities may include pilot projects, action research, social learning, multi-stakeholder teams.

Indicator 5.3 Dissemination of research results on ESD is promoted.	
Sub-indicator 5.3.1	Is there any public authority support for mechanisms <sup>30</sup> to share the results of research and examples of good practices in ESD <sup>31</sup> among authorities and stakeholders?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<i>Phase II: please specify and provide the total amount annually over the reporting period.</i>
Sub-indicator 5.3.2	Are there any scientific publications: (a) specifically on ESD? (b) addressing ESD?
(a) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (b) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase I: For (a) if feasible, please provide the number on annual basis over the reporting period. Please list the major ones.</i>
	<i>Phase II: For (b) if feasible, please provide the number on annual basis over the reporting period. Please list the major ones.</i>
Issue 6. STRENGTHEN COOPERATION ON ESD AT ALL LEVELS WITHIN THE UNECE REGION	
<i>If necessary, provide relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)</i>	
Indicator 6.1 International cooperation on ESD is strengthened within the UNECE region and beyond.	
Sub-indicator 6.1.1	Do your public authorities cooperate in/support international <sup>32</sup> networks on ESD?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify for national, subnational and local levels and list major networks.</i>
Sub-indicator 6.1.2	Do educational institutions/organisations (formal and non-formal) in your country participate in international networks related to ESD?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Please specify. List major networks.</i> Ministry of Education and Science of Latvia - Baltic Agenda 21 Education Sector (Baltic 21 E) Association of Environmental Educators of Latvia; Foundation for Environmental Education of Latvia; Environmental Protection Club of Latvia, member of Coalition Clean Baltic International, Friends of the Earth International, European Environmental Bureau; Children's Environmental School; Foundation of Environmental Education "Keep Latvia Tidy";
Sub-indicator 6.1.3	Are there any state, bilateral and/or multilateral cooperation mechanisms/agreements that include an explicit ESD component?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Phase II: Please specify and list the major ones.</i>
Sub-indicator 6.1.4	Does your Government take any steps to promote ESD in international forums outside the UNECE region?
Yes <input type="checkbox"/> No <input type="checkbox"/>	<i>Please list and describe.</i>

<sup>30</sup> E.g. conferences, summer schools, journals, periodicals, networks.

<sup>31</sup> E.g. 'participatory approach'; links to local, regional and global problems; integrative approach to environmental, economic and social issues; orientation to understanding, preventing and solving problems.

<sup>32</sup> In this context, "international associations, working groups, programmes, partnerships etc. covers "global", "regional" and "subregional".

<b>Issue 7. FOSTER CONSERVATION, USE AND PROMOTION OF KNOWLEDGE OF INDIGENOUS PEOPLE IN ESD</b>
<i>Provide relevant information on your country situation regarding this specific issue. (up to 2,000 characters with spaces). Please be as specific as possible.</i>
<i>Phase II: Please provide the updated information to indicate changes over time.</i>
<i>Phase III: please provide the updated information to indicate changes over time.</i>
<b>Issue 8. DESCRIBE ANY CHALLENGES AND OBSTACLES ENCOUNTERED IN THE IMPLEMENTATION OF THE STRATEGY</b>
<i>Provide relevant information on your country situation regarding this specific issue (up to 1,500 characters with spaces). Please be as specific as possible.</i>
<i>Phase II: please provide the updated information to indicate changes over time.</i>
<i>Phase III: please provide the updated information to indicate changes over time.</i>
<b>Issue 9. DESCRIBE ANY ASSISTANCE NEEDED TO IMPROVE IMPLEMENTATION</b>
<i>Provide relevant information on your country situation regarding this specific issue (up to 1,500 characters with spaces). Please be as specific as possible.</i>
<i>Phase II: please provide the updated information to indicate changes over time.</i>
<i>Phase III: please provide the updated information to indicate changes over time.</i>

## Annex I (a)

### Indicator 2.1, sub-indicator 2.1.1

Please specify which key themes of SD are addressed explicitly in the curriculum/programme of study at various levels of formal education, by filling in the table below.

(Please tick (V) relevant themes for each level. Use the blank rows to insert additional themes that are considered to be key themes in addressing learning for sustainable development.)

Some key themes covered by sustainable development	ISCED Levels					
	0	1	2	3	4	5
Peace studies (international relations, security and conflict resolution, partnerships, etc.)						
Ethics and philosophy						
Citizenship, democracy and governance						
Human rights, (including gender, racial and inter-generational equity; )						
Poverty alleviation						
Cultural diversity						
Biological and landscape diversity						
Environmental Protection (Waste management, etc.)						
Ecological principles/ecosystem approach						
Natural resource management (including water, soil, mineral, fossil fuels, etc...)						
Climate change						
Personal and family health (e.g. HIV/AIDS, drug abuse, ...)						
Environmental health (e.g. food and drinking; water quality; pollution)						
Corporate social responsibility						
Production and/or consumption patterns						
Economics						
Rural/urban development						
<b>Total</b>						
Other (countries to add as many as needed)						

NB The indicator will be reflected by (a) a scale based on the sum of ticks and (b) changes in the pattern of response between subsequent reports.

The assessment key for this table (max. 102 ticks; "other" not counted) is:

No. of ticks	0-5	6-10	11-25	26-50	51-75	76-100
Scale	A	B	C	D	E	F

## Annex I (b)

### Indicator 2.1, sub-indicator 2.1.2

Please specify the extent to which the following broad areas of competence that support ESD are addressed explicitly in the curriculum<sup>33</sup>/programme of study at various levels of formal education, by filling in the table below.

(Please tick (V) relevant expected learning outcomes for each level. Use the blank rows to insert additional learning outcomes (skills, attitudes and values) that are considered to be key outcomes in your country in learning for sustainable development.)

**Table of learning outcomes**

Competence		ISCED Levels					
		0	1	2	3	4	5
<b>Learning to learn</b> Does education at each level enhance learners' capacity for:	<b>Expected outcomes</b>						
	- posing analytical questions/critical thinking						
	- understanding complexity/systemic thinking						
	- overcoming obstacles/problem-solving						
	- managing change/problem-setting						
	- creative thinking/future-oriented thinking						
	- understanding interrelationships across disciplines/holistic approach						
	<b>Total</b>						
	- other (countries to add as many as needed)						
	-						
<b>Learning to do</b> Does education at each level enhance learners' capacity for:	<b>Expected outcomes</b>						
	- applying learning in a variety of life-wide contexts						
	- decision making, including in situations of uncertainty						
	- dealing with crises and risks						
	- acting responsibly						
	- acting with self-respect						
	- acting with determination						
	<b>Total</b>						
	- other (countries to add as many as needed)						
	-						

<sup>33</sup> At state level, where relevant.

Competence		ISCED Levels					
	Expected outcomes	0	1	2	3	4	5
<b>Learning to be</b> Does education at each level enhance learners' capacity for:	- self-confidence						
	- self-expression and communication						
	- coping under stress						
	- ability to identify and clarify values ( <i>for phase III</i> )						
	<b>Total</b>						
	- other ( <i>countries to add as many as needed</i> )						
<b>Learning to live and work together</b> Does education at each level enhance learners' capacity for:	Expected outcomes	0	1	2	3	4	5
	- acting with responsibility (locally and globally)						
	- acting with respect for others						
	- identifying stakeholders and their interests						
	- collaboration/team working						
	- participation in democratic decision making						
	- negotiation and consensus building						
	- distributing responsibilities (subsidiarity)						
	<b>Total</b>						
	- other ( <i>countries to add as many as needed</i> )						
	-						

NB The indicator will be reflected by (a) a scale based on the sum of ticks and (b) changes in the pattern of response between subsequent reports.

The assessment key for this table (max. 138 ticks; "other" not counted) is:

No. of ticks	0–7	8–14	15–35	36–70	71–104	105–138
Scale	A	B	C	D	E	F

## Annex II

### Indicator 2.6, sub-indicator 2.6.1

Please specify to what extent is ESD implementation is a multi-stakeholder process, by filling in the table below? Please provide examples of good practice. (Please tick (V) in what type of education stakeholders are involved in both (a) and (b) template-tables.)

Table (a) According to the UNECE Strategy for ESD

Stakeholders	Classification by UNECE Strategy for ESD		
	Formal	Non-formal	Informal
NGOs		V	V
Local government			
Organized labour			
Private sector			
Community-based		V	V
Faith-based			
Media		V	V
<b>Total</b>		<b>3</b>	<b>3</b>
Other (countries to add as many as needed)			

The assessment key for this table (max. 21 ticks; “other” not counted) is:

No. of ticks	0–1	2	3–5	6–10	11–15	16–21
Scale	A	B	C	<b>D</b>	E	F

Table (b) According to UN DESD

Stakeholders	Classification by UN DESD				
	Public awareness	Quality education	Reorienting education	Training	Social learning
NGOs	V			V	V
Local government					
Organized labour					
Private sector					
Community-based					
Faith-based					
Media	V				V
<b>Total</b>	<b>2</b>			<b>1</b>	<b>2</b>
Other (countries to add as many as needed)					

The assessment key for this table (max. 35 ticks; “other” not counted) is:

No. of ticks	0–5	6–11	12–17	18–23	24–29	30–35
Scale	<b>A</b>	B	C	D	E	F



### Annex III

#### Indicator 3.1, sub-indicator 3.1.3

Please specify to what extent is ESD a part of the initial and/or in-service educator's training, by filling in the table below by ticking (V) as appropriate.

ISCED levels	% of education professionals who have received training <sup>34</sup> to integrate ESD into their practice: (see key below)																	
	Educators												Leaders/administrators <sup>35</sup>					
	<i>Initial*</i>						<i>In service**</i>						<i>In service***</i>					
	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
0																		
1																		
2																		
3																		
4																		
5																		
6																		
Non-formal																		
Informal																		

The assessment key for this table (max. 100%) is:

% of educated trainers	0–5	6–10	11–25	26–50	51–75	76–100
Scale	A	B	C	D	E	F

- \* Please indicate the % of educators who have received initial training on ESD to total number of educators by the reporting date.
- \*\* Please indicate the % of educators who have received training on ESD to total number of educators who received in-service teacher training by the reporting date.
- \*\*\* Please indicate the % of leaders/administrators who have received training on ESD to total number of leaders/administrators who received in-service teacher training by the reporting date.

<sup>34</sup> Training is understood to include at least one day (a minimum of 5 contact hours).

<sup>35</sup> Paragraphs 54 and 55 of the UNECE Strategy on ESD.

# Annex IV

## Summary and self-assessment<sup>36</sup> by countries:

1	Indicator 1.1	Prerequisite measures are taken to support the promotion of ESD.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
2	Indicator 1.2	Policy, regulatory and operational frameworks support the promotion of ESD.	<input type="checkbox"/> Not started	<input checked="" type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
3	Indicator 1.3	National policies support synergies between processes related to SD and ESD.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
4	Indicator 2.1	SD key themes are addressed in formal education.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input checked="" type="checkbox"/> Developing	<input type="checkbox"/> Completed
5	Indicator 2.2	Strategies to implement ESD are clearly identified.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
6	Indicator 2.3	A whole-institution approach to ESD/SD is promoted.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
7	Indicator 2.4	ESD is addressed by quality assessment / enhancement systems.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
8	Indicator 2.5	ESD methods and instruments for non-formal and informal learning are in place to assess changes in knowledge, attitude and practice.	<input type="checkbox"/> Not started	<input checked="" type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
9	Indicator 2.6	ESD implementation is a multi-stakeholder process.	<input type="checkbox"/> Not started	<input checked="" type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
10	Indicator 3.1	ESD is included in the training of educators.	<input type="checkbox"/> Not started	<input checked="" type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
11	Indicator 3.2	Opportunities exist for educators to cooperate on ESD.	<input type="checkbox"/> Not started	<input checked="" type="checkbox"/> In progress	<input checked="" type="checkbox"/> Developing	<input type="checkbox"/> Completed
12	Indicator 4.1	Teaching tools and materials for ESD are produced.	<input type="checkbox"/> Not started	<input checked="" type="checkbox"/> In progress	<input checked="" type="checkbox"/> Developing	<input type="checkbox"/> Completed
13	Indicator 4.2	Quality control mechanisms for teaching tools and materials for ESD exist.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
14	Indicator 4.3	Teaching tools and materials for ESD are accessible.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
15	Indicator 5.1	Research on ESD is promoted.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
16	Indicator 5.2	Development of ESD is promoted.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input checked="" type="checkbox"/> Developing	<input type="checkbox"/> Completed
17	Indicator 5.3	Dissemination of research results on ESD is promoted.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input type="checkbox"/> Developing	<input type="checkbox"/> Completed
18	Indicator 6.1	International cooperation on ESD is strengthened within the UNECE region and beyond.	<input type="checkbox"/> Not started	<input type="checkbox"/> In progress	<input checked="" type="checkbox"/> Developing	<input type="checkbox"/> Completed

\*\*\*\*\*

<sup>36</sup> On the basis of the answers to the sub-indicators, please self-assess the status of the implementation of the respective indicator in your country. If feasible, please specify the methodology used for the self-assessment. For the self-assessment, the sub-indicators having the status of “proposed” should be ignored.