



## FORMAT FOR REPORTING ON IMPLEMENTATION OF THE UNECE STRATEGY FOR EDUCATION FOR SUSTAINABLE DEVELOPMENT

Within the framework of the *United Nations Decade of Education for Sustainable Development (2005–2014)* 

The following report is submitted on behalf of the Government of Latvia in accordance with the decision of the UNECE Steering Committee on Education for Sustainable Development

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Signature:

Date: 12.11.2010

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Provide brief information (not more than half a page) on the process by which this report has been prepared, A. including information on which types of public authorities were consulted on or contributed to its preparation; how the stakeholders were consulted and how the outcome of this consultation was taken into account; and the material used as a basis for the report. This report has been prepared by Coordination group of ESD (representatives from

Ministry of Education and Science of the Republic of Latvia (incl. State Education Center), Ministry of Environment of the Republic of Latvia, UNESCO Latvian National Commission.

B. Report any particular circumstances that help clarify the context of the report – for example, whether the decision-making structure is federal and/or decentralized, and whether financial constraints are a significant obstacle to implementation. (This information should not exceed half a page.)

ISSUE!	1. ENSURE THAT POLICY, REGULATORY AND OPERATIONAL FRAMEWORKS SUPPORT THE PROMOTION OF ESD
	relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)
ij necessary, provide r	elevant information on your country stitution regarding this specific objective. (up to 1,500 characters with spaces)
	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 X□ No □	Please specify languages. Available in Latvian ANO EEK STRATĒĢIJA IZGLĪTĪBAI ILGTSPĒJĪGAI ATTĪSTĪBAI, at the websites of the Ministry of Environment of Latvia
	http://www.vidm.gov.lv/lat/darbibas_veidi/vides_izglitiba/files/text/Darb_jomas//Strategija%20IIA%20LV.doc
	UNECE Strategy for ESD http://www.unece.org/env/esd/strategytext/strategyLatvian.pdf
Sub-indicator 1.1.2	Have you appointed a national focal point to deal with the UNECE Strategy for ESD?
Yes X No	Coordination group for ESD. There are representatives from Ministry of Education and Science, Ministry of Environment of the Republic of Latvia, UNESCO Latvian National Commission, higher education institutions and NGOs involved in coordination group for ESD.
Sub-indicator 1.1.3	Do you have a coordinating body for implementation of ESD?
Yes X□ No □	Please specify its mandate and coordinating mechanism. Please also specify whether its mandate covers implementation of the UNECE Strategy for ESD. Coordination group for ESD
Sub-indicator 1.1.4	Do you have a national implementation plan for ESD?
Yes X□ No □	Please specify whether this plan includes implementation of the UNECE Strategy for ESD.ESD goals are implemented(reflected) in National Development Plan 2007 – 2013, Latvia 2030 (Latvian sustainable development strategy), Latvian Strategic Development plan 2010 – 2013, Concept paper of Educational development 2007 – 2013, Concept paper of Life long learning development police 2007-2013,
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 X□ No □	Please specify. The goals and tasks of ESD are reflected as a synergy among national policy planning documents (see. 1.1.4.), additionally, there were special events - forum, conferences, seminars and meetings on ESD issues organized for students, teaching staff and NGOs
	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)?

<sup>&</sup>lt;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.

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

Yes X No	Please specify and list major document(s)) ES development strategy), Latvian Strategic Deve of Life long learning development police 2007	elopment plan 2010 – 201, <b>(</b>	Concept	paper o	of Educ	ationa	al development 2007 – 2013 and Concept pap
Sub-indicator 1.2.2	Is ESD: (a) addressed in relevant national edu standards/ordinances/ requirements; at all leve						
	Please specify for (a) and (b). Fill in the table	by ticking (V) as appropria	ıte.		<del></del>		-
		ISCED <sup>6</sup>	(	a)	(l	<b>)</b> <sup>7</sup>	
			Yes	No	Yes	No	
(a) Yes $\square$ No $\square$		0			V		4
(b) Yes X No		2			V		
		3			V		
		4			V		
		5 <sup>8</sup>			<u> </u>		
		Teacher education			<del></del>		
~							4
Sub-indicator 1.2.3	Are non-formal and informal ESD addressed in				ılatory	docum	ent(s) and operational frameworks?
Yes X No	Please specify. ESD is addressed in Guideline	s for lifelong learning polic	y 2007 -	2013			
Sub-indicator 1.2.4	Is public awareness in relation to ESD address	sed in relevant national docu	ument(s)	)?			
Yes 🗌 No X 🗍	Please specify.						
Sub-indicator 1.2.5	Does a formal structure for interdepartmental9	cooperation relevant to ES	D exist i	n your	govern	ment?	
Yes X□ No □	Please specify. Coordination group for ESD						
Sub-indicator 1.2.6	Does a mechanism for multi-stakeholder coop	eration on ESD exist with t	he invol	vement	t of you	r gove	rnment?10
Yes X No No	Please specify. Coordination group for ESD						
Sub-indicator 1.2.7	Are public budgets and/or economic incentive	es available specifically to si	upport E	SD?			

<sup>&</sup>lt;sup>5</sup> International Standard Classification of Education (ISCED), UNESCO, 1997 (http://www.unesco.org/education/information/nfsunesco/doc/isced 1997.htm).

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

<sup>&</sup>lt;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 with ESD, as well as to regulations of study programmes and study fields which reflect the principles of ESD.

<sup>&</sup>lt;sup>9</sup> Between state bodies.

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

Yes X No No	Please specify. Grants for ESD activities in the field of non formal education, good practise, public awareness and research were provided by the Latvian Environmental Protection Fund Administration during the period of 2007 – 2009. Currently financial resources are not available due to economic crisis.
	Indicator 1.3 National policies support synergies between processes related to SD and ESD.
Sub-indicator 1.3.1	Is ESD part of SD policy(s) if such exist in your country?
Yes X No	Please specify. ESD goals are part of sustainable policy in Latvia. These goals have been implemented (reflected) in National Development Plan 2007 – 2013, Latvia 2030 (Latvian Sustainable Development Strategy), Latvian Strategic Development Plan 2010 – 2013, Concept paper of Educational development 2007 – 2013 and Concept paper of Life long learning development police 2007-2013
	Issue 2. PROMOTE SD THROUGH FORMAL, NON-FORMAL AND INFORMAL LEARNING
If necessary, provide	relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)
	Indicator 2.1 SD key themes are addressed in formal education.
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 X  No	Phase II: please specify in the table in Annex 1 (a) and use the scale. Indicate the results in the box below.  A B C D E F  \[ \sum \text{\titt{\text{\titt{\text{\titt{\texi\text{\texi{\text{\text{\text{\texi{\texi\text{\text{\text{\text{\texi{\text{\texi{\texi{\texi{\
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 X  No	Phase II: Please specify in the table in Annex 1 (b) and use the scale. Indicate the results in the box below.  A B C D E F
	Indicator 2.2 Strategies to implement ESD are clearly identified.
Sub-indicator 2.2.1	Is ESD addressed through: 4 (a) existing subjects 5 only? (b) a cross-curriculum approach? (c) the provision of specific subject programmes and courses? (d) a stand-alone project? 6

<sup>11</sup> For explanation see paragraph 15 of the Strategy.
12 At the state level, where relevant.
13 See footnote 14.
14 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.
15 E.g. geography or biology. For higher education "subject" means "course".
16 A project is interpreted as a discrete activity with its own time allocation rather than a teaching/learning method.

	Phase II: For (a)–(d) please spec		(2	a)	(l	b)		c)		<b>1</b> )	
		ISCED levels			Yes	No					
(-) V V \ N - \		0			X						
(a) Yes X No (b) Yes X No (c)		1	X		X				X		
(c) Yes X No		2	X		X				X		
(d) Yes X No		3	X		X			<u> </u>	X		
(4) 10011 110		4					X				
		5					X	-			
		6		-							
		Teacher education	<u>.F</u>		X	:	X		:		
				1 17	4- TOOT	NOD :					
	Indica	tor 2.3 A whole-institution	on appr	oacn"	to E51	א מפעט	s prom	oted.			
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adop					n/Sn is	s prom	oted.			
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adop	t a "whole-institution appr	oach" to	o SD/E	SD?				e by tic	king (V	') as appropriate, as well as
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	t a "whole-institution appr wels of your education syste	oach" to	o SD/E	SD? nce wit	th ISCE			e by tic	king (V	/) as appropriate, as well as
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adop	ot a "whole-institution approvels of your education system. If relevant data are ava	oach" to	o SD/E ccorda olease o	SD? nce wit	th ISCE	ED in t	he tabl	e by tic	king (V	/) as appropriate, as well as
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are ava	roach" to em in ac uilable p	o SD/E ccorda olease o	SD? nce wit	th ISCE		he tabl	e by tic	king (V	) as appropriate, as well as
Sub-indicator 2.3.1	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are ava	roach" to em in ac uilable p	o SD/E ccorda please d r <b>els</b>	SD? nce wit	th ISCE ecify. Yes	ED in t	he tabl	e by tic	king (V	<sup>y</sup> ) as appropriate, as well as
Sub-indicator 2.3.1  Yes X No	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are ava	roach" to em in ac uilable p	o SD/E ccorda please d r <b>els</b>	SD? nce wit	th ISCE ecify. Yes	ED in t	he tabl	e by tic	king (V	') as appropriate, as well as
	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are ava	roach" to em in ac uilable p	o SD/E ccorda olease o vels 0	SD? nce wit	th ISCE ecify. Yes V	ED in t	he tabl	e by tic	king (V	') as appropriate, as well as
	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are ava	roach" to em in ac uilable p	o SD/E ccordan please d rels 0 1	SD? nce wit	th ISCE ecify. Yes V V	ED in t	he tabl	e by tic	king (V	/) as appropriate, as well as
	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are ava	roach" to em in ac uilable p	o SD/E ccordan please d rels 0 1	SD? nce wit	th ISCE ecify. Yes V V	ED in t	he tabl	e by tic	king (V	) as appropriate, as well as
	Do educational institutions <sup>18</sup> adop  Phase II: please specify for all let	ot a "whole-institution approvels of your education system. If relevant data are available.	roach" to em in ac uilable p	o SD/E ccorda blease d rels 0 1 2 3 4 5 6	SD? nce wit ulso spo	th ISCE ecify. Yes V V	ED in t	he tabl	e by tic	king (V	) as appropriate, as well as

<sup>&</sup>lt;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).

•				
	Phase II: Please specify what schemes are available for	or all levels of vour educa	ation svs	tem ir
	appropriate, as well as for non-formal and informal e			
		ISCED levels		No
		0		
		1		1
Yes No X		2		
		3		
		4		
		5		
		6		<u> </u>
		Teacher education		<u>:</u>
Sub-indicator 2.3.3	Do institutions/learners develop their own SD indicate	ors for their institution/org	anizatio	nn?
	Phase II: Please specify for all levels of your education	on system in accordance w	ith ISC	ED in
	Phase II: Please specify for all levels of your education non-formal and informal education. If relevant data a			
		re <u>available please also s</u> p	pecify.	
		re <u>available please also s</u> p	pecify.	
Yes ☐ No X☐		re <u>available please also s</u> p	pecify.	
Yes □ No X□		re available please also sp ISCED levels 0 1	pecify.	
Yes No X		re available please also sp ISCED levels  0 1 2	pecify.	
Yes □ No X□		re available please also sp ISCED levels 0 1 2 3 4 5	pecify.	
Yes □ No X□		re available please also sp ISCED levels  0 1 2 3 4 5 6	pecify.	
Yes □ No X□		re available please also sp ISCED levels 0 1 2 3 4 5	pecify.	
Yes □ No X□		ISCED levels  0 1 2 3 4 5 6 Teacher education	pecify. Yes	No

<sup>&</sup>lt;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).

	Phase II: Please specify for various levels of your education sy	estam in aggordan	a with	ISCET	in the	table by ticking (V) as appropriate as well as
	for non-formal and informal education. If relevant data are ava				, in ine	table by ticking (v) as appropriate, as well as
	ISCED level	ls (	a)	()	<b>b</b> )	
		Yes	No	Yes	No	
	0	<u> </u>		-		
(a) Yes No X No X No X	2		<u> </u>			
	3					
	4					
	5					
	6					
	Teacher ed	ducation	<u> </u>			
Indicator 2.5	ESD methods and instruments for non-formal and informal	learning are in p	lace to	assess	change	es in knowledge, attitude and practice.
Sub-indicator 2.5.1	Are SD issues addressed in informal and public awareness-rais	ing activities?				
Yes X  No	Phase II: Please specify. <sup>20</sup> These issues are addressed at various public discussions, conferences, seminars, Students and Child participants), Stop the Baltic Sea eutrophication!, Eco Schools	ren Song and Dan	ce Fest	ival 20	10 ( Gr	
Sub-indicator 2.5.2	Is there any support for work-based learning (e.g. for small cor	mpanies, farmers,	trade ui	nions, a	ssociat	ions), which addresses SD issues?
Yes X No No	Phase II: Please specify and provide examples. Education paci	kages for farmers,	NGOs	regara	ling GM	10 problems
Sub-indicator 2.5.3	Are there any instruments (e.g. research, survey, etc.) in place	to assess the outco	mes of	`ESD a	s a resu	Ilt of non-formal and informal learning?
Yes No X	Phase II: Please specify, including the results available for (a)	attitude, skills and	d value	s, and (	(b) kno	vledge.
	Indicator 2.6 ESD implementation	n is a multi-stake	eholder	proce	<b>ss.</b> <sup>21</sup>	
Sub-indicator 2.6.1	Is ESD implementation a multi-stakeholder process?					
Yes 🗌 No 🗌	Phase II: Please specify in the table in Annex 2 (a) and (b) and (a) according to the UNECE Strategy on ESD  A B C D E F  X	(b) according to  A B		N DES		e boxes below.  E F
	Issue 3. EQUIP EDUCATORS WITH THE COMPL	ETENCE TO IN	CLUDI	E SD I	N THE	IR TEACHING
If necessary, provide r	elevant information on your country situation regarding this spe	ecific objective. (up	to 1,5	00 cha	racters	with spaces)

<sup>&</sup>lt;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>&</sup>lt;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).

	Indicator 3.1 ESD is included in the training <sup>22</sup> of educators.
Sub-indicator 3.1.1	Is ESD a part of the initial educators' training? <sup>23</sup>
Yes X□ No □	Phase II: Please specify by filling in the table in Annex 3.
Sub-indicator 3.1.2	Is ESD a part of the educators' in-service training? <sup>24</sup>
Yes X□ No □	Phase II: Please specify by filling in the table in Annex 3.
Sub-indicator 3.1.3	Is ESD a part of training of leaders and administrators of educational institutions?
Yes X□ No □	Phase II: Please specify by filling in the table in Annex 3.
	Indicator 3.2 Opportunities exist for educators to cooperate on ESD.
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 X No	Phase II: Please specify Baltic University Program, Environmental Science and Education Council, Institute for sustainable Education, Association of Environmental Education, Baltic Environmental Forum, Environmental Protection Club of Latvia, Childrens' Environmental School, Eco-schools Program
Sub-indicator 3.2.2	Are ESD networks/platforms supported by the government in any way? <sup>25</sup>
Yes X No No	Please specify how. Please list major ones and describe as appropriate. By grants
	Issue 4. ENSURE THAT ADEQUATE TOOLS AND MATERIALS FOR ESD ARE ACCESSIBLE
If necessary, provide	relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)
	Indicator 4.1 Teaching tools and materials for ESD are produced.
Sub-indicator 4.1.1	Does a national strategy/ mechanism for encouragement of development and production of ESD tools and materials exist?
Yes No No	Please describe.
Sub-indicator 4.1.2	Is public (national, subnational, local) authority money invested in this activity?
Yes 🗌 No 🗍	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.
	Grants provided by the Latvian Environmental Fund Administration – more than Euros 16 500 during the period of 2008 - 2010
	Indicator 4.2 Quality control mechanisms for teaching tools and materials for ESD exist.  Do you have quality criteria and/or quality guidelines for ESD-related teaching tools and materials that are: (a) supported by public authorities?
Sub-indicator 4.2.1	(b) approved by public authorities? (c) tested and recommended for selection by educational institutions?

 <sup>&</sup>lt;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.

(a) Yes No X No Yes X No No	Phase I: for (a) and (b) please describe. Education for sustainable development is integrated into the compulsory curriculum. Textbooks are evaluated according to certain criteria and approved by the Ministry of Education and Science.  Phase II: Please specify for (a), (b) and (c) for formal, informal and non-formal education. For (c) please also describe.							
(c) Yes X No								
Sub-indicator 4.2.2	Are ESD teaching tools / materials available: (a) in national languages? (b) for all levels of education according to ISCED?							
	Phase I: For (a) please specify.							
	Phase II: For (b) please specify in the table by ticking (V) as appropriate.							
	ISCED levels (b)							
	O Yes No							
(a) Yes X No	1 v							
(b) Yes X No	2 V							
	3 V V							
	5 V							
	6							
	Teacher education v							
C-1 :- 4:4 4 2 1	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?  Phase II: Please describe.							
Yes 🗌 No X 🗍	Schools may purchase the approved textbooks from the budget money							
Sub-indicator 4.3.2	Is public authority money invested in this activity?							
Yes No No	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 X No	Please describe. Teaching materials developed by the projects and enterprises are available through the Internet.							
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 No x No x No x	For (a) and (b) please specify.							
	Issue 5. PROMOTE RESEARCH ON AND DEVELOPMENT OF ESD							
	relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces) In Latvia is a scientific institute ble education" (under the University of Daugavpils) that main tasks are: to develop scientific work in the faculty, to develop masters' and doctoral							
	n and management, as well as to develop a vision and methodology for sustainable development in education.							
	Indicator 5.1 Research <sup>26</sup> on ESD is promoted.							

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

Sub-indicator 5.1.1	Is research that addresses content and methods for ESD <sup>27</sup> supported?
Yes X No	Phase II: Please specify and provide the total amount annually over the reporting period, and if feasible, as % of the total research budget.
Sub-indicator 5.1.2	Does any research evaluate the outcome of the implementation of the UNECE Strategy for ESD?
Yes 🗌 No 🗌	Please specify.
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	Phase II: Please specify for (1) (a) and (b); (2) (a) and (b).
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 X No No (b) Yes X No	Phase II: Please specify for (a) and (b).
	Indicator 5.2 Development of ESD is promoted.
Sub-indicator 5.2.1	Is there any support for innovation and capacity-building in ESD practice? <sup>29</sup>
Yes X No	Phase II: Please specify and provide the total amount annually over the reporting period.  Grants provided by the Latvian Environmental Fund Administration – more than Euros 1 077 500 during the period of 2008 - 2010
	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 X No	Phase II: please specify and provide the total amount annually over the reporting period. Institute of sustainable education (i.e. scientific staff) has published 14 scientific publications during reporting (2009) period. Publications are available in international data basis, in local editions recognized by Latvian Council of Science and publications in reviewed international editions.
Sub-indicator 5.3.2	Are there any scientific publications: (a) specifically on ESD? (b) addressing ESD?

 <sup>&</sup>lt;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.

E.g. conferences, summer schools, journals, periodicals, networks.
 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.

(a) Yes X No	Phase I: For (a) if feasible, please provide the number on annual basis over the reporting period. Please list the major ones.  Publications by the University of Daugavpils
(b) Yes X No	Phase II: For (b) if feasible, please provide the number on annual basis over the reporting period. Please list the major ones. 14.; Reorientation of teachers' education to the objective of sustainable development.
	Issue 6. STRENGTHEN COOPERATION ON ESD AT ALL LEVELS WITHIN THE UNECE REGION
If necessary, provide r	relevant information on your country situation regarding this specific objective. (up to 1,500 characters with spaces)
	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 x  No	Phase II: Please specify for national, subnational and local levels and list major networks. Coordination group of ESD?  Baltic 21 Education sector - initiated in 2000 by the Ministers of Education of the 11 Baltic Sea states, the Baltic 21 Education Sector is a platform for multi-stakeholder cooperation on education for sustainable development. The sector brings together experts from national ministries and agencies, academic institutions, international and regional organisations, NGOs, local networks and more.
Sub-indicator 6.1.2	Do educational institutions/organisations (formal and non-formal) in your country participate in international networks related to ESD?
Yes X□ No □	Please specify. List major networks 18 schools from Latvia participate in the UNESCO ASP-net "Baltic Sea project". The Baltic Sea Project is an international network among schools for a better environment in the Baltic catchment area. For the present period from 2009 - 2012 Latvia has the responsibility of general coordination of the project.  Six higher educational institutions in Latvia, especially University of Latvia and the Institute for Sustainable Education at the Daugavpils University are developing ESD curricula for study programs.  Environmental Protection Club of Latvia – a member of Coalition Clean Baltic, Friends of the Earth, European Environmental Bureau, Foundation of Environmental Education "Keep Latvia Tidy", Association of Environmental Educators are among the most active NGOs in Latvia carrying out various ESD activities
Sub-indicator 6.1.3	Are there any state, bilateral and/or multilateral cooperation mechanisms/agreements that include an explicit ESD component?
Yes X No No	Phase II: Please specify and list the major ones. Coordination group of ESD?
Sub-indicator 6.1.4	Does your Government take any steps to promote ESD in international forums outside the UNECE region?
Yes No X	Please list and describe.
I	ssue 7. FOSTER CONSERVATION, USE AND PROMOTION OF KNOWLEDGE OF INDIGENOUS PEOPLES IN ESD
Provide relevant infor	mation on your country situation regarding this specific issue. (up to 2,000 characters with spaces). Please be as specific as possible.
Phase II: Please provi	ide the updated information to indicate changes over time.

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

Phase III: please provide the updated information to indicate changes over time.

### Issue 8. DESCRIBE ANY CHALLENGES AND OBSTACLES ENCOUNTERED IN THE IMPLEMENTATION OF THE STRATEGY

Provide relevant information on your country situation regarding this specific issue (up to 1,500 characters with spaces). Please be as specific as possible. One of the important obstacles or challenges is state's budget cuts concerning education (esp. in higher education).

Phase II: please provide the updated information to indicate changes over time.

Phase III: please provide the updated information to indicate changes over time.

# Issue 9. DESCRIBE ANY ASSISTANCE NEEDED TO IMPROVE IMPLEMENTATION

Provide relevant information on your country situation regarding this specific issue (up to 1,500 characters with spaces). Please be as specific as possible.

Phase II: please provide the updated information to indicate changes over time.

Phase III: please provide the updated information to indicate changes over time.

### Annex 1 (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		IS	CED	Lev	els	
Some key tnemes covered by sustainable development	0	1	2	3	4	5
Peace studies (international relations, security and conflict resolution, partnerships, etc.)	v	v	V	V		
Ethics and philosophy		V	V	v		
Citizenship, democracy and governance		v	V	V		
Human rights, (including gender, racial and inter-generational equity; )		v	v	v		
Poverty alleviation			V	v		
Cultural diversity	v	v	V	v		
Biological and landscape diversity	v	v	v	v		
Environmental Protection (Waste management, etc.)	V	v	V	v		
Ecological principles/ecosystem approach	v	v	V	v		
Natural resource management (including water, soil, mineral, fossil fuels, etc)		v	V	v		
Climate change	V	v	V	v		
Personal and family health (e.g. HIV/AIDS, drug abuse,)		V	V	v		
Environmental health (e.g. food and drinking; water quality; pollution)	V	v	V	V		
Corporate social responsibility		v	v	v		
Production and/or consumption patterns		v	v	v		
Economics		V	V	v		
Rural/urban development			V	v		
Total	7	15	17	17		
Other (countries to add as many as needed)						
			<u>:                                    </u>	<u> </u>	<u>:</u>	

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	Α	В	C	D	E	F

#### Annex 1 (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		IS	CEI	D Le	vels		
	Expected outcomes	0	1	2	3	4	5
	- posing analytical questions/critical thinking		V	V	V	V	V
	<ul> <li>understanding complexity/systemic thinking</li> </ul>		v	v	V	V	V
Laguring to loom	- overcoming obstacles/problem-solving		V	V	V	V	V
Learning to learn  Does education at each level enhance	- managing change/problem-setting		V	V	V	V	V
learners' capacity for:	<ul> <li>creative thinking/future-oriented thinking</li> </ul>				V		
icarners capacity for.	- understanding interrelationships across disciplines/holistic approach		v	v	V	V	V
	Total		6	6	6	6	6
	- other (countries to add as many as needed)						
	-						
	Expected outcomes	0	1	2	3	4	5
	<ul> <li>applying learning in a variety of life-wide contexts</li> </ul>	V	V	V	V		
	<ul> <li>decision making, including in situations of uncertainty</li> </ul>		V	V	V		
I coming to do	<ul> <li>dealing with crises and risks</li> </ul>				V	V	
Learning to do  Does education at each level enhance	<ul> <li>acting responsibly</li> </ul>		v	v	V		
learners' capacity for:	- acting with self-respect		V	V	V		
learners capacity for.	- acting with determination						
	Total	1	4	4	5	1	
	- other (countries to add as many as needed)						
	-						
	Expected outcomes	0	1	2	3	4	5
	- self-confidence		v	v	V		
Learning to be	- self-expression and communication	V	V	V	V		
Learning to be Does education at each level enhance	- coping under stress						
learners' capacity for:	- ability to identify and clarify values ( for phase III)			v			
realiters cupacity for.	Total	1	2	3	3		
	- other (countries to add as many as needed)						
	-						
Learning to live and work together	Expected outcomes	0	1	2	3	4	5
Does education at each level enhance	- acting with responsibility (locally and globally)		v	v	V	V	V

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

learners' capacity for:	- acting with respect for others		v	v	v	v	v
realiters capacity for.	- identifying stakeholders and their interests			Ť	Ť	Ť	
	- collaboration/team working	V	V	V	v	V	
	- participation in democratic decision making			v	v	v	V
	- negotiation and consensus building						
	- distributing responsibilities (subsidiarity)			V	v	V	
	Total	1	3	5	5	5	3
	- 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. 138 ticks; "other" not counted) is:

No. of ticks	0–7	8–14	15–35	Ţ	36–70	Ī	71–10	1	105–138	
Scale	Α	В	С		D		E		F	

#### Annex 2

# 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							
Starcholders	Formal	Non-formal	Informal					
NGOs		V	V					
Local government		V						
Organized labour								
Private sector		V						
Community-based		V	V					
Faith-based								
Media		V	X					
Total		5	3					
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	Α	В	С	D	Е	F

Table (b) According to UN DESD

		Classification by UN DESD									
Stakeholders	Public awareness	Quality education	Reorienting education	Training	Social learning						
NGOs	V			V	V						
Local government				v	v						
Organized labour											
Private sector		v	V								
Community-based				V	v						
Faith-based											
Media	V										
Total	2	1	1	3	3						
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	A	В	С	D	Е	F

#### Annex 3

### **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.

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

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	Α	В	С	D	Е	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>&</sup>lt;sup>34</sup> Training is understood to include at least one day (a minimum of 5 contact hours).

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

Annex 4
Summary and self-assessment<sup>36</sup> by countries:

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

<sup>&</sup>lt;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.