Education in the Republic of Belarus

Education for sustainable development in the third Effectiveness Review of the environmental education in the Republic of Belarus, paragraph 4, “Strengthening of the Synergies with other Organizations and Processes”

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The education system includes:

- Basic education: pre-school, general secondary, vocational, higher and postgraduate education.
- Additional education.
- Special education and education of persons with special developmental needs.
Continuous system of basic education in the Republic of Belarus

- Elementary School
- Pre-school education
- Family education
- Basic school
- High school
- Liceum
- Gymnasium
- College
- University
- Work experience
- Magistracy
- Graduate
- Additional education
- Doctorate
- Age

- Efforts were being made to ensure 100% opportunities to receive education for pre-school children.
- The literacy rate in the age group of 15-24 years is 99.8%.

1. **274 institutions of special education**
2. **192 special classes**
3. **5475 classes of integrated education**
4. **2536 points remedial education assistance**
Goal 3. Promote gender equality and women's empowerment (2015 at all levels of education).

- Schoolchildren – 114,5 ths., 54,8% girls
- Vocational-technical schools – 75,8 ths., 32,3% girls
- Secondary special schools – 128,9 ths., 50,3% girls
- Higher education – 362,9 ths., 57,3% girls

More than 680 ths., 52,9% girls
Goal 7. Ensure environmental sustainability. Four tasks are united by this goal:

- To integrate the principles of sustainable development in policy and national programs of countries; to prevent the depletion of natural resources.
- To reduce biodiversity loss, achieving by 2010 significant reduction in loss coefficient.
Implementation of Millennium Development Goals in the field of education

- To halve, by the year 2015, the proportion of people without access to safe drinking water and basic sanitation.
- To achieve significant improvement in lives of at least 100 million slum dwellers by the year 2020.

These objectives are reflected in the curricula at various levels of education, teaching materials and textbooks.
Subjects in the curricula

• Subject “Child and Nature”. The main goal of the subject: the development of the children’s skills of interaction with nature, active participation in nature conservation, awareness of their environment responsibility.
• Subject “People and the World” (grades 1-5).
• Subject “Career education” (grades 1-4). Caring for the plants, the use of natural materials.
• Subject "Biology" (grades 6-11). General environmental characteristics.
Subjects in the curricula

- Subject "Chemistry" (grades 7-11). The role of chemicals in human life and the environment.
- Subject «Physics» (grades 6-11) (using physics knowledge in the field of resource management).
- Foreign languages (grades 6-9) (the study of topics of the environment and sustainable development).
- Extracurricular activities (grades 1-11). In-depth training on the preparation of the special elective courses.

In the various interest groups a lot of pupils choose environmental profile.
Juvenile delinquency may serve as an indicator of the effective functioning of the system of education for sustainable development.

Crimes involving minors (number)


The proportion of crimes involving minors of the total number crimes

Training courses with a wide range of studied materials on ESD are held every three years.

Academy of Postgraduate Education has developed exemplary training programs to improve skills and competences in ESD areas.
In May 2015 the Republic of Belarus successfully applied for adhesion to the Bologna process.

The Republic of Belarus is a member of the Lisbon Convention since 1997.

Bachelor

Holder of a Master's degree

Specialist
Higher education

There are more than 50 Universities in Belarus.

The number of graduates in the field of environmental protection and use of natural resources is constantly growing and in 2014 amounted to 1729 people.
# Environmental studies

<table>
<thead>
<tr>
<th>Subject</th>
<th>Number of graduates</th>
<th>Subject</th>
<th>Number of graduates</th>
</tr>
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<tbody>
<tr>
<td>Bioecology</td>
<td>293</td>
<td>Environment Protection and rational use of natural resources</td>
<td>78</td>
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<tr>
<td>Geoecology</td>
<td>88</td>
<td>Environmental Management and Audit in Industry</td>
<td>44</td>
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<tr>
<td>Nuclear and Radiation Safety</td>
<td>20</td>
<td>Bioecology</td>
<td>13</td>
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<tr>
<td>Environmental Monitoring, Management and Audit</td>
<td>22</td>
<td>Heat and Gas Supply, Ventilation and Air Protection</td>
<td>351</td>
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<tr>
<td>Medical Ecology</td>
<td>114</td>
<td>Water Supply, Wastewater and Water Protection</td>
<td>267</td>
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<tr>
<td>Agricultural Ecology</td>
<td>138</td>
<td>Forestry</td>
<td>223</td>
</tr>
<tr>
<td>Geology and Mineral Resources Exploration</td>
<td>98</td>
<td><strong>Total</strong></td>
<td><strong>1729</strong></td>
</tr>
</tbody>
</table>
The number of graduates with higher and secondary specialized education in the fields related to the environment protection and use of natural resources, 2010-2014.
Training and retraining of specialists in forming of environmental competence

Is realized in many Universities in the Republic of Belarus and the Republican Center for Advanced Training of Leading Workers and Specialists of the Ministry of Natural Resources and Environmental Protection.

The training includes the following disciplines:

- Sustainable Development Strategy.
- The strategy of sustainable development of society.
- Management of regional development and etc.
In ISEU BSU:

annual international scientific conference “Sakharov Readings: Environmental Problems of the XXI century” takes place;

the project “Environmental Ethics in the system biotic education in the Republic of Belarus” was implemented;

In the Belarusian State Pedagogical University named after Maxim Tank:

10 -11 February, 2016 the International symposium “Education for sustainable development for all generations – the social contract” was held by the Ministry of Education and the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus in collaboration with the Association “Education for Sustainable Development”.

The symposium was attended by the representatives of ten countries.
Within the framework of TEMPUS program:

- «Environmental Management for the Training Programs in the Field of Ecology».
- «Environmental Education for Belarus, Russia and Ukraine».
- «Human Security».

Within the framework of ESD new disciplines have been proposed, textbooks were developed, web-portals were created to share experiences.

- Studies at the Belarusian State University of Culture of social cultural aspects of environmental education have shown that young people responsibility in the field of environmental protection has increased.
- Belarusian National Technical University has prepared a number of research-based publications on the subjects of sustainable development in enterprises, in society, in the green economy.
Background documents for ESD

- Strategy for environmental protection for the period until 2025 (adopted in 2011).
- The concept of continuous education of children and students, youth (adopted in 2006).
Structures that affect ESD

- The Ministry of Education carries out the state policy in the field of education.
- The Ministry of Natural Resources and Environmental Protection.
- Coordinating Council on ESD at the Ministry of Education.
- Public Environmental Coordination Council at the Ministry of Natural Resources and Environmental Protection.
- Universities of the Republic of Belarus.
- Public environmental organizations.
- The Republican Centre for Ecology and Local History.
- Coordination Center “Education for Sustainable Development”
Interagency Coordinating Council on ESD

Created in 2006 by the order of the Ministry of Education.

Introduced by: the Ministry of Education, the Ministry of Natural Resources and Environmental Protection, the Ministry of Culture, public organizations, mass media.

- The latest reorganization of June 30, 2015.
- Chairman – the Deputy Minister of Education.
- Frequency of meeting – 2 times a year.
The agenda of the meeting of the Coordinating Council (February-March).

- On the implementation of recommendations of the third Environmental Activities Review of Belarus under the Chapter 12 “Environmental Education and Education for Sustainable Development”.

- On the preparation of the national workshop on reorientation of the vocational education system to support sustainable development and the transition to the green economy.

Thank you for your attention!

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