



Belarus Education Modernization Project (P148181)

EUROPE AND CENTRAL ASIA | Belarus | Education Global Practice |
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 13 | ARCHIVED on 23-Feb-2022 | ISR50024 |

Implementing Agencies: Ministry of Education, Republic of Belarus

Key Dates

Key Project Dates

Bank Approval Date: 17-Sep-2015

Effectiveness Date: 20-Jan-2016

Planned Mid Term Review Date: 08-Oct-2018

Actual Mid-Term Review Date: 10-Sep-2018

Original Closing Date: 28-Feb-2021

Revised Closing Date: 28-Feb-2025

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objectives of the proposed Project are to: (i) improve access to quality learning environment in selected general secondary schools; and (ii) strengthen student assessment and education management information systems of the Republic of Belarus.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The objectives of the proposed Project are to: (i) improve access to a quality learning environment in selected general secondary education institutions; and (ii) strengthen the Belarus' student assessment and education management information systems.

Components Table

Name

Ensuring a Quality Learning Environment in General Secondary Institutions receiving Students from closed/reorganized General Secondary Institutions:(Cost \$138.33 M)
Modernization of System Management in Education:(Cost \$10.86 M)
Support for the Implementation, Monitoring and Evaluation of the Project:(Cost \$3.80 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

The Project is on track to achieve its project development objectives (PDOs), and the PDO-level results indicators are meeting planned targets. The implementation progress of the Project remains satisfactory.



Status of school renovations. Overall, 150 project schools have been rehabilitated, and around 45,000 children are already benefiting from the improved learning environment; 6,000 of those students are from closed and reorganized schools. In addition, civil works are ongoing in 19 schools, and plans are underway for civil works in nine more schools.

Equipment in schools. The Project has delivered school equipment for 75 chemistry, 69 biology, and 53 physics laboratories. Further deliveries are planned for 81 physics, 72 chemistry, and 70 biology classrooms.

The impact of the Project on student learning in Belarus. The project is focused on one of the most pressing issues in education in Belarus, the quality of learning in the most remote areas of the country. While Belarus is optimizing its school network, many students from remote villages where schools were closed have to travel long distances to school by bus or other means of transportation. Hub schools serve students in surrounding villages up to 15 kilometers away. While the learning outcomes are drastically different between rural and urban students in Belarus, it is even more striking for students that need to travel long distances to schools. Therefore, creating better opportunities for such students was one of the objectives of the project. Among those students already learning in schools rehabilitated under this project, more than 6,000 students are from closed/reorganized schools. The project also supports two rounds of participation of Belarus in the international assessment of student learning, the Programme for International Student Assessment (PISA). The first time Belarus participated in PISA was in 2018, joining the Human Capital Project of the World Bank. Currently, Belarus is preparing to participate in PISA 2022, and last year successfully conducted the pilot. The project brings about change in Mogilev and Vitebsk oblasts where schools are piloting the new approach to science education in scientific laboratory clusters, enabling better science education as well as bringing schools closer to communities and creating socio-cultural centers in schools. The country has conducted the baseline study of the learning environments - School User Survey. Results will be published soon.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Macroeconomic	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Sector Strategies and Policies	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Stakeholders	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Results

PDO Indicators by Objectives / Outcomes

Ensuring a quality learning environment in GSEIs receiving students from closed/reorganized GSEIs

► Students benefitting from an improved learning environment in general secondary schools targeted by the project (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	39,619.00	45,425.00	65,000.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
Comments:	Total number of students enrolled in project schools which meet the minimum conditions of a quality learning environment per the quality learning environment checklist.			
<input type="checkbox"/> Female students benefiting from improved learning environment (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	19,576.00	22,565.00	32,500.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
<input type="checkbox"/> Students from closed/reorganized schools accommodated in schools with improved learning environment (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,607.00	6,041.00	13,000.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
<input type="checkbox"/> Female students from closed/reorganized schools benefitting from improved learning environment (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,673.00	2,853.00	6,500.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
► Impact evaluation study on the progress of project schools in the improvement of quality of learning environment and its use as per the international study on learning environments is conducted (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No study is completed	A pilot study has been carried out. The main stage of the study was postponed to September 2021.	A baseline study of the assessment of the quality of the educational environment in 154 educational institutions participating in the Project and in the control group was carried out. The final report has been prepared and being approved by the OECD expert.	According to international methodology, project schools apply successful elements of the intervention and show better progress as compared to the control group.
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025

Modernization of System Management in Education



► Republic of Belarus's participation in PISA is supported (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No participation in international assessments	A national report on PISA 2018 results was prepared and published. In April-May 2021 PISA 2022 pilot test has been carried out in 76 institutions.	Belarus successfully participated in PISA 2019 and published its results. Trial phase of PISA 2022 testing was carried out in 76 institutions in April-May 2021.	Belarus participate in PISA 2018, 2022, and initiated participation in PISA 2025. All results are published for Belarus
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
► Annual education statistics reports produced using data generated by the integrated EMIS (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No integrated EMIS in place	EMIS is under development (the contract is concluded on May 31,2021). A pre-project survey of existing business processes for collecting, processing and analyzing data from higher and post-university, vocational secondary and pre-school educational institutions of the Republic of Belarus is being completed. The pre-project survey for scaling up the EMIS to all levels of education is being completed.	EMIS is under development (the contract was signed on May 31, 2021). A pre-project survey of existing business processes for collecting, processing and analyzing data from institutions of vocational technical, specialized secondary and preschool education of the Republic of Belarus has been completed. Technical documentation for procurement of services for scaling EMIS to all levels of education is being prepared.	Annual report produced with 100% of its data generated by EMIS
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
Comments:	Reports providing education statistics are produced on an annual basis using the integrated EMIS that is developed under the project.			

Overall Comments

The timing of the results is aligned with the latest virtual implementation support visit on December 8-10, 2021, and the team's follow-up in December 2021.

Intermediate Results Indicators by Components



Ensuring a quality learning environment in GSEIs receiving students from closed/reorganized GSEIs				
▶ Number of schools rehabilitated under the project to meet minimum conditions for a quality learning environment (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	126.00	150.00	300.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
▶ Number of schools that received innovative teaching and learning clusters on science subjects (Physics, Chemistry, Computer Science, Biology) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	21.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
Comments:	This indicator reflects the number of the schools that received the major renovation of their scientific clusters. As of this ISR reporting, only one school in Vyazye received the renovation and operates in the new setting.			
☐ Number of participants of the STEM related activities and classes (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	64.00	64.00	5,000.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
☐ Number of female participants of the STEM related activities and classes (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	38.00	38.00	2,500.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
▶ Number of rehabilitated schools targeted by the project, providing social and cultural services to the population (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	11.00	21.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
☐ Number of social and cultural activities organized at the centers (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	6.00	120.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025



► Beneficiaries reporting improved satisfaction with the quality of learning environment, relative to an appropriate control group (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	Comparison of the results of the survey of participants in the educational process in the educational institutions under the project and in the control educational institutions revealed statistically significant positive differences favoring project schools (see comments section).	According to the study the work carried out in educational institutions covered by the Project has a positive effect on the satisfaction of the beneficiaries (students, parents of students, teachers) with the quality of learning conditions. All details are provided in the comments.	Satisfaction is statistically higher in the treatment schools than in control schools
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
Comments:	<p>Comparison of the results of the survey of participants of the educational process in the educational institutions covered by the Project and in the control institutions of education revealed statistically significant differences as follows. In the educational institutions covered by the Project compared to the institutions of the control group:</p> <p>students replied approximately 10% more often that the conditions created in the educational institution help significantly to develop their information and communication skills;</p> <p>share of the teachers and parents who believe that the conditions created in the educational institution allow students with disabilities to move freely around the school is 6-9% higher;</p> <p>higher share of students, teachers and parents satisfied with security measures ensured in the educational institution with help of installed video cameras, turnstiles, etc. (by 7-7%); higher number of participants satisfied with physical condition of the educational institution (by 11-14%); with building heating (by 7-9% of parents of students and teachers); with physical condition of classrooms (by 8-11% of students); with canteen (approximately by 6% of students);</p> <p>students more often rate as modern equipment for conducting experiments, laboratory and practical work in physics, chemistry and biology (by 11.9%, 7.5% and 19.4% respectively); 14,5% more teachers of Physics believe that the above equipment fully enables teaching this subject, 7.6% more teachers of Chemistry, and 19% more teachers of Biology.</p>			
► Number of schools supplied with laboratory equipment under the project (either one or a combination of Physics, Chemistry, Computer Science, Biology) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	122.00	122.00	279.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
► Students benefiting from direct interventions to enhance learning (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	39,619.00	45,425.00	65,000.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	25-Feb-2025
Comments:	A total number of students enrolled in project schools that meet the minimum conditions of a quality learning environment per the quality learning environment checklist.			
□ Students benefiting from direct interventions to enhance learning - Female (Number, Corporate Supplement)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	19,576.00	22,565.00	32,500.00

Modernization of System Management in Education

► Improved national system of education quality assessment (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Existing sample-based national assessment system in place	A toolkit for analyzing the psychological aspects and a comprehensive evaluation of training manuals has been developed.	A toolkit for psychological examination of textbooks for general secondary education institutions and a matrix for a comprehensive assessment of teaching aids for institutions of general secondary education have been developed. A long-term plan for monitoring studies has been developed. This academic year republican tests on the history of Belarus (grade 6), biology (grade 7) will be carried out. Demos have already been developed. A new model of the republican monitoring of the quality of education is being developed.	Assessment of the quality of education with new tools conducted.
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025

Comments: The national sample-based assessment (Republican monitoring) is improved through the capacity building of the National Institute of Education and is implemented on a nationally representative sample of students. The assessment results are submitted to and accepted by the Ministry of Education.

► Analytical work on PISA research results in the Republic of Belarus completed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No analytical work	A substantive multicomponent analysis of the official results of the PISA 2018 study in the Republic of Belarus was carried out.	A substantive multicomponent analysis of the official results of the PISA 2018 study in the Republic of Belarus	Developed recommendations for the development of educational policies and national assessment based on



			was carried out. Materials have been published and posted in the public domain on the Internet on the National Educational Portal	the results of PISA 2021 research. A comparative analysis of the results of 2018 and 2021 carried out
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	25-Feb-2021
Comments:	National report with PISA 2018 is prepared and disseminated			
► Number of education managers trained in the use of the integrated EMIS (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7,210.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
Comments:	Total number of administrative staff who have completed training on the use of the integrated EMIS. The training will take place once the EMIS is developed and expected in the fall of 2022.			
□ Number of female education managers trained in the use of the integrated EMIS (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6,380.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
► Number of education managers that received training and capacity building in modernization of the education system (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	1,770.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
□ Number of female education managers that received training and capacity building in modernization of the education system (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	74.00	74.00	1,000.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025
► Large-scale primary/secondary learning assessments completed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	2.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025



Comments:

Administration and disclosure of the results of Belarus participation in International Large Scale Assessment PISA 2018 and 2022. Participating population - 15-year-old students. Subjects – reading comprehension, mathematics, science. In PISA 2022 on top of these subjects Belarus will participate in Financial Literacy and Creativity studies.

Support for the Implementation, Monitoring and Evaluation of the Project

► Percent of beneficiaries reporting that community center activities represented the views of the community, students, and teachers (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025

Comments:

A questionnaire has been prepared for the survey as part of the national monitoring of education quality assessment. Republican monitoring is carried out annually in December, analytical processing of the results is expected in April 2022.

► Percent of school users who consider that the project implementation responded to their views (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	17-Sep-2015	30-Jun-2021	30-Dec-2021	28-Feb-2025

Comments:

A questionnaire has been prepared for the survey as part of the national monitoring of education quality assessment. Republican monitoring is carried out annually in December, analytical processing of the results is expected in April 2022.

Overall Comments

The timing of the results is aligned with the latest virtual implementation support visit on December 8-10, 2021, and the team's follow-up in December 2021.

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

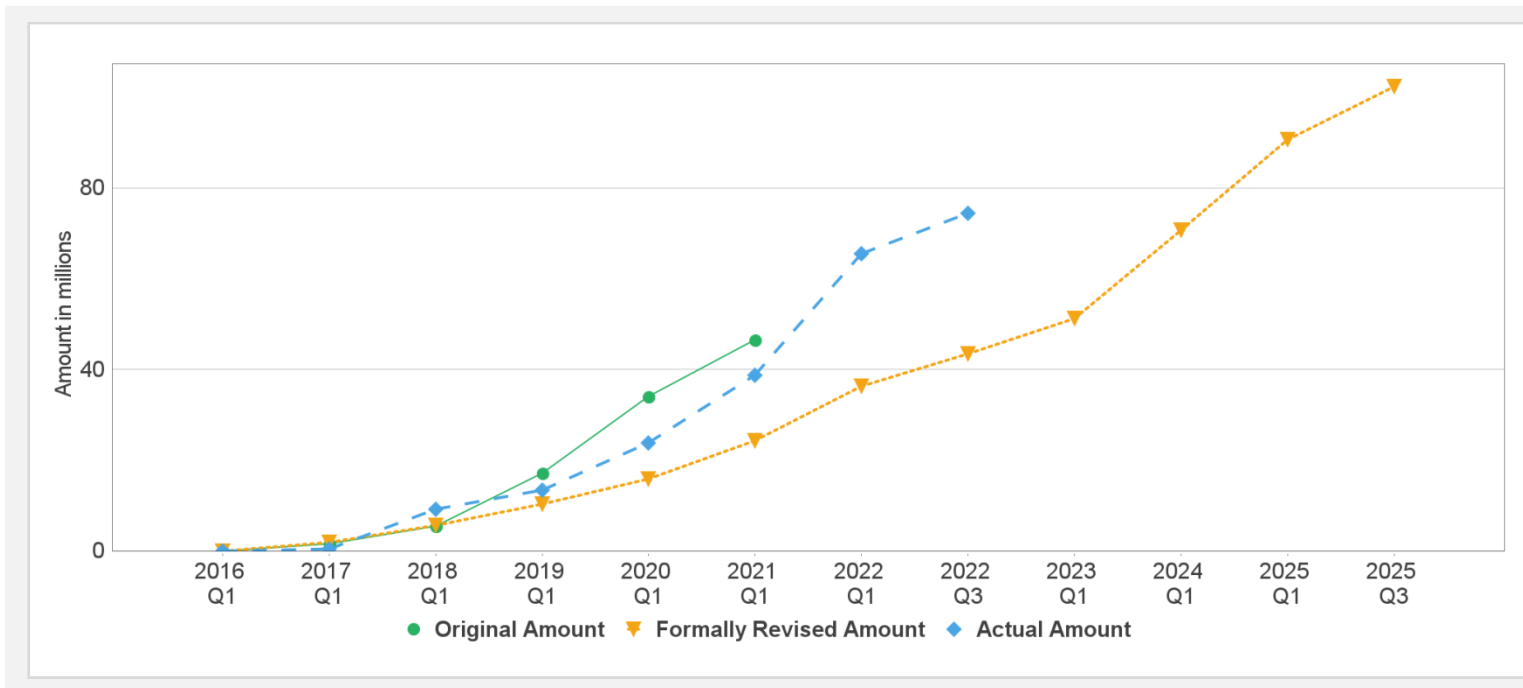
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P148181	IBRD-85290	Effective	USD	50.00	50.00	0.00	48.25	1.75	97%
P148181	IBRD-89430	Effective	USD	102.30	102.30	0.00	26.51	76.63	26%



Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P148181	IBRD-85290	Effective	17-Sep-2015	23-Sep-2015	20-Jan-2016	28-Feb-2021	28-Feb-2025
P148181	IBRD-89430	Effective	18-Apr-2019	26-Apr-2019	02-Oct-2019	28-Feb-2025	28-Feb-2025

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

There has been no restructuring to date.

Related Project(s)

P166719-Belarus Education Modernization Project - Additional Financing