



## Forestry Development Project (P147760)

EUROPE AND CENTRAL ASIA | Belarus | Environment & Natural Resources Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 9 | ARCHIVED on 16-May-2019 | ISR36823 |

Implementing Agencies: THE REPUBLIC OF BELARUS, Ministry of Forestry, BellesExport

### Key Dates

#### Key Project Dates

Bank Approval Date: 27-Mar-2015

Effectiveness Date: 30-Jul-2015

Planned Mid Term Review Date: 28-Feb-2018

Actual Mid-Term Review Date: 02-Apr-2018

Original Closing Date: 31-Aug-2020

Revised Closing Date: 31-Aug-2021

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to enhance silvicultural management and reforestation and afforestation, increase the use of felling residues and improve the public good contribution from forests in targeted forest areas.

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

No

### Components

Name

Improving silviculture and the sustainability of forest management:(Cost \$36.47 M)

Improving forest fire prevention, monitoring, detection and suppression, improving forest management information systems:(Cost \$4.88 M)

Building the capacity for sustainable forest management (including GEF Project management):(Cost \$2.10 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Satisfactory
Overall Risk Rating	● Moderate	● Moderate

### Implementation Status and Key Decisions

Project implementation is progressing well. Belarus has been able to increase the amount of silvicultural thinning undertaken in young and medium-aged forests, through the use of the new harvesting machinery supported by the project. This will help Belarus create more diverse forests by species and age-class structure.



The following type of equipment has also been delivered and installed: all-terrain fire-fighting trucks; utility all-terrain vehicles for transporting forest protection personnel; all-terrain vehicles for forest fire protection; machines for the mechanized cleaning/chopping of branches and wood waste from harvesting sites; video surveillance systems for monitoring and early detection of forest fires; and mobile wood chippers, which will help increase the use of felling residues and develop the use of woody biomass.

Development of the three forest nurseries is in progress: (i) the Ivatsevichi nursery opened in April 2018, (ii) the Glubokoye nursery opened in October 2018, and (iii) construction at the Minsk Oblast nursery is completed with the official opening in spring 2019. These nurseries will improve the quantity and quality of first class seedlings for afforestation and reforestation.

GEF investments include four simulators for training harvester and forwarder operators, equipment enhancing the nursery infrastructure, specialized equipment for forest fire detection, prevention and suppression, and a number of important consultancy assignments to improve forest management capacity.

All these activities contribute to improved carbon sequestration and carbon storage of Belarus forests.

The Additional Financing (AF) loan (EUR 12 million) became effective on August 9, 2018.

## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	● Moderate	● Moderate	● Moderate
Macroeconomic	● Moderate	● Moderate	● Moderate
Sector Strategies and Policies	● Moderate	● Moderate	● Moderate
Technical Design of Project or Program	● Low	● Low	● Low
Institutional Capacity for Implementation and Sustainability	● Substantial	● Moderate	● Moderate
Fiduciary	● Substantial	● Substantial	● Substantial
Environment and Social	● Low	● Low	● Low
Stakeholders	● Low	● Low	● Low
Other	--	--	--
Overall	● Moderate	● Moderate	● Moderate

## Results

### PDO Indicators by Objectives / Outcomes

The Project Development Objective is to enhance silvicultural management and reforestation and affor				
► Area of young and middle-aged production-forest thinned according to approved management plans (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	132,500.00	136,500.00	136,500.00	165,000.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The Year 3 actual value of 136 500 has been updated based on the semi-annual progress report. The current actual amount is less than the planned amount of 160,000.00 HA because there was a priority			



placed on sanitary clear cutting to remove dead and dying trees affected by pine bark beetle infestations before undertaking other types of harvesting in Belarus. The previous actual was only 53,500 ha, because the Ministry of Forestry reported only for the first 6 months of the year. This figure if projected was less than the baseline, as the area thinned was reduced to increase the area worked as sanitary cuttings in pest infected and drying stands.

►Amount of carbon (CO2) sequestered (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4,643,384.00	4,398,373.00	4,398,373.00	4,672,880.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The GEF indicator on the amount of carbon sequestered is now also showing under the PDO indicators as this is the only way the team could revise the end target in line with the recalculated carbon balance based on the EX-ACT tool. The actual current value for the YR3 was 4 398 373 metric tonnes. It is less than planned amount of 4 812 234 metric tonnes as the opening of the first nursery was in April 2018 which was later than it had been planned originally. The Year 2 figure was based on the data for the first six months of the year. These figures based on outputs from the FAO's ExACT tool with the input data to the model for the first 6 months of the year only.			

►Economic performance of participating SFEs enhanced (Amount(USD), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	11,405,500.00	11,405,500.00	15,826,000.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The Year 3 actual value has been updated based on the semi-annual progress report. The annual actual is more than planned amount of 10 496 000. This indicator measures the excess of revenue over expenditures inclusive of all financing sources for participating State Forest Enterprises.			

►Capacity to produce high quality seedlings increased (number of container grown seedlings per year in project-financed nurseries) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,000,000.00	1,000,000.00	13,900,000.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The first nursery was opened in April 2018. Actual capacity for one rotation of the forest nursery in Ivatsevichy State Forestry Enterprise is indicated as result of Year 3.			

►Average utilizable volume of commercial timber harvested during intermediate felling in targeted SFEs increased (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	28.50	32.60	32.60	35.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The data are actual for the period from 01.07.2017 till 30.06.2017. The indicator measures the average utilizable volume of timber harvested per unit area in m3 per hectare (the metrics was revised during the AF preparations). This measures the intensity of the thinning operations, with an ideal removal rate of around 35m3/ha per thinning operation.			



## Overall Comments

As part of this interim ISR, results framework will be updated as result of the implementation support visit planned for late June 2019.

## Intermediate Results Indicators by Components

Building the capacity for sustainable forest management (including GEF Project management)				
►Number of people trained (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2,243.00	2,496.00	2,496.00	2,500.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The indicator includes the number of people who have been trained on the basis of the “Republican Educational Centre for Training, Retraining and Raising the Level of Skill of Forestry Personnel” (Center). Previously the PIU also summed up 2 regional branches of the Center, but it was then decided to include only those trained on the basis of the Center. The forestry sector in Belarus is male-dominated, but there is an increase in the number of female entering the sector and receiving the required training. The number of female trained is only calculated by the Ministry of Forestry on the annual basis. For Year 3 the data will be available only as of January 30, 2019.			
▲Number of people trained - female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	110.00	125.00	125.00	150.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
►Govt institutions provided w/ capacity buildg to improve mgt of forest resources (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	11.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	It was agreed during the WB implementation support mission in October 22-26, 2018 that this indicator will include the number of organizations (State Forestry Production Associations, the main organizations subordinate to the Ministry of Forestry) who participated in training seminars dedicated to the new investment technologies and program implementation abroad. Previously in the semi-annual progress report the indicator estimated the number of senior executives (State Forestry Production Associations, the main organizations subordinate to the Ministry of Forestry) who participated in training seminars dedicated to the new investment technologies abroad.			
►Project-supported organization(s) publish reports on inputs and effect of consultation and information dissemination activities on project/program/policies (Yes/No) (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	No	Yes	Yes	Yes
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	Final reports with results from the three analytical GEF Grant activities are available on the UE “Bellesexport” website. The project progress information is regularly provided on the website of the Ministry of Forestry and the main media forestry journals and magazines (“Belarusian forest newspaper”; magazine “Forestry and Hunting”, “Architecture and Construction”; newspaper “Soviet Belarus-Belarus today” and “Minskaya Pravda”). Stands on the construction of forest nurseries with visual graphic and text materials are established by district executive committees to inform the local population about the construction of nurseries.			
►Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	37,165.00	37,165.00	35,500.00
Date	27-Mar-2015	31-Dec-2017	31-Dec-2017	31-Aug-2021
Comments:	The end target was revised during the preparation of the AF as 35 500. Also was revised the end target for female beneficiaries to be 17.50%. The actual year 2 amount was 37 165. The actual number for Y3 will be updated as result of the annual reporting in 2019 data collected for this indicator in the Ministry of Forestry on the annual basis. Direct beneficiaries are number of the forest sector employees (all SFEs, organizations subordinate to the Ministry of Forestry). it is reported by the Ministry of Forestry based on the official statistics of forest sector staff.			
▲Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17.30	17.30	17.50

### Improving forest fire prevention, monitoring, detection and suppression, improving forest management information systems

#### ►Reforms in forest policy, legislation or other regulations supported (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The past reforms included the entry into force of the Forestry Code since 2017. The Ministry of Forestry also processed a number of laws and decrees to fulfill the provisions of the Forestry Code. The State Program "Belarusian Forest" for 2016-2020 is under implementation now. In 2019 a number of legislative changes in the Forestry Code are planned.			
►Number of SFEs benefiting from forest fires surveillance, prevention and suppression equipment (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	47.00	47.00	47.00
Date	04-Dec-2018	04-Dec-2018	04-Dec-2018	31-Aug-2021



### Improving silviculture and the sustainability of forest management

#### ►Nursery lines for container grown seedlings of native tree species established (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	4.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The Year 3 actual value has been updated based on the semi-annual progress report. Since the opening of the Ivatsevichi forest nursery April 2018, 1 seed line in Ivatsevichy State Forestry Enterprise is indicated here. Indicator will be updated in the next round of reporting in 2019 as two more forest nurseries will be opened and functioning (in Glubokoe and Minsk).			

#### ►Improved thinning regime developed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	Indicator is on track. The use of small harvesters and forwarders (VIMEK) purchased under the project continue to contribute to the introduction of new technologies for forest thinning operations. As of October 22, 2018 all units of machinery were supplied to the SFEs. It also helps to implement the new forest felling provisions approved in Belarus back in 2016.			

#### ►New areas outside protected areas managed as biodiversity-friendly (ha) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,226,700.00	4,443,500.00	4,443,500.00	4,500,000.00
Date	27-Mar-2015	30-Jun-2018	30-Jun-2018	31-Aug-2021
Comments:	The area of mixed stands under the authority of the Ministry of Forestry is indicated, with the exception of specially protected natural areas (forest reserves and natural monuments).			

#### ►Area of affected forest cleared and restocked through natural regeneration or planting (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	20,000.00	20,000.00	20,000.00	25,000.00
Date	08-Aug-2018	29-Nov-2018	29-Nov-2018	31-Aug-2021

## Data on Financial Performance

### Disbursements (by loan)

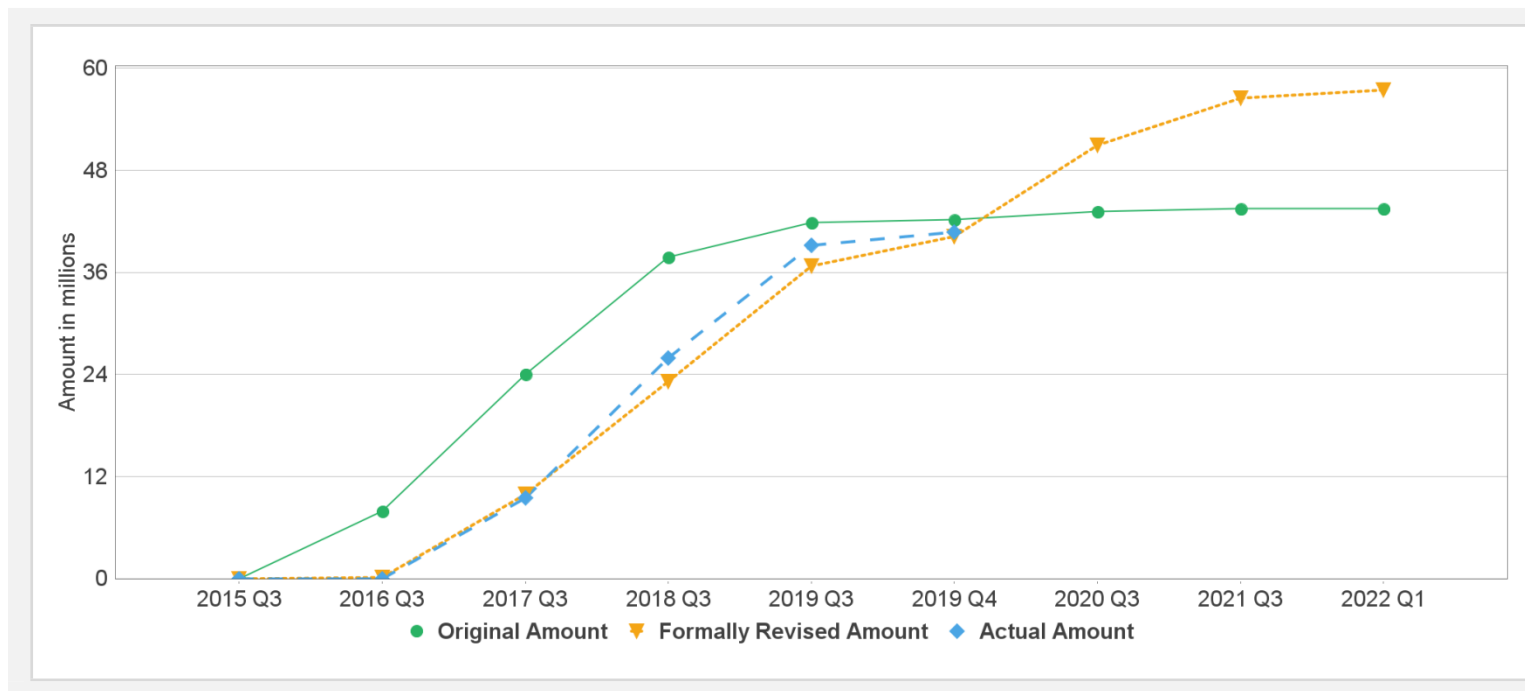


Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P147760	IBRD-84740	Effective	USD	40.71	40.71	0.00	39.27	1.44	96%
P147760	IBRD-88210	Effective	USD	14.40	14.40	0.00	0.19	14.19	1.3%
P152636	TF-A1173	Effective	USD	2.74	2.74	0.00	1.27	1.47	46%

### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P147760	IBRD-84740	Effective	27-Mar-2015	02-Apr-2015	30-Jul-2015	31-Aug-2020	31-Aug-2021
P147760	IBRD-88210	Effective	12-Mar-2018	11-Apr-2018	09-Aug-2018	31-Aug-2021	31-Aug-2021
P152636	TF-A1173	Effective	02-Apr-2015	02-Apr-2015	30-Jul-2015	31-Aug-2020	31-Aug-2021

### Cumulative Disbursements



### Restructuring History

Level 2 Approved on 17-Sep-2018 ,Level 2 Approved on 09-Apr-2019

### Related Project(s)



---

P152636-Forestry Development Project ,P165121-Belarus Forestry Development Project - Additional Financing

---