



GEF Romania Integrated Nutrient Pollution Control Project (P093775)

EUROPE AND CENTRAL ASIA | Romania | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2008 | Seq No: 29 | ARCHIVED on 29-Jun-2023 | ISR57122 |

Implementing Agencies: Integrated Nutrient Pollution Control Project Management Unit, Ministry of Finance

Key Dates**Key Project Dates**

Bank Approval Date: 30-Oct-2007

Effectiveness Date: 08-Dec-2008

Planned Mid Term Review Date: 29-Mar-2011

Actual Mid-Term Review Date: 31-Mar-2011

Original Closing Date: 31-Dec-2013

Revised Closing Date: 31-Dec-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To support the Government of Romania to meet the EU Nitrates Directive requirements by (a) reducing nutrient discharges to water bodies, (b) promoting behavioral change at the commune level, and (c) strengthening institutional and regulatory capacity.

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 development objective of the project is to support the Government of Romania towards meeting EU Nitrate Directive requirements at a national scale.

Components Table

Name

Investments in Local Communities for Reducing Nutrient Pollution:(Cost \$93.90 M)

Institutional Strengthening and Capacity Building:(Cost \$14.00 M)

Public Awareness and Information Support:(Cost \$7.52 M)

Project management:(Cost \$10.57 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 implementation support mission carried out during June 6– 14, 2023, concluded that the project objective continues to be highly relevant for Romania, generating strong results and showing a decreasing trend of nitrate in groundwaters in the project area. The



Integrated Nutrient Pollution Control Project (INPCP-AF) remains the most important support for the Government of Romania to help meet the EU Nitrates Directive requirements and indirectly, the conditions for the farmers as required by the Common Agriculture Policy. The Project is also a model for showcasing good agricultural practice at both regional and global levels. With 170 platforms already built, more than 47,000 farmers have directly benefited from the project. As a result of the project, behaviors are changing with regards to prevention and reduction of pollution from the agriculture, and sustainable land management practices were adopted on more than 42,756 ha of land area.

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"/> Moderate
Macroeconomic	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Sector Strategies and Policies	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Stakeholders	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Results

PDO Indicators by Objectives / Outcomes

The development objective of the project is to support the Government of Romania towards meeting EU				
► Downward trend of nitrates concentration in waters: at least 70% of targeted project areas show 10% reduction in nitrates discharge to water bodies (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	63.6%	70.1%	70%
Date	16-Feb-2007	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	Since 2009, the water quality is monitored by ANAR. The initial monitoring network included a number of 124 piezometers. Since 2019, ANAR has extended the monitoring network for groundwater, in the project area. The monitoring data for the year 2022 was provided by ANAR in May 2023 and the indicator was calculated based on these data as compared with the baseline of 2009. Slight variations from one year to another are related mainly to the climatic conditions (dry vs rainy years).			
► Percentage of population in the project area adopting preventative and remedial measures to reduce nutrient discharges (index measures various rural waste management and good agricultural practices) (Text, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3%	69%	69%	75%
Date	26-Feb-2009	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	<p>The baseline indicator was estimated by the Baseline Survey carried out in the Original Project. The Baseline Survey in the Additional Financing was carried out in the period May – July 2018 and calculated the index measuring various waste management and good agricultural practices. This survey was conducted on about 3750 households across 100 communes in the project area. This indicator was updated, using the same methodology, through the Mid-Term Survey, performed in the second semester, 2020. It showed that 69% of population in the project area (an important increase, as compared with the baseline value), apply at least one of the practices recommended by the Code of Good Agricultural Practice, as preventive and remedial measures to reduce nutrient discharges. The next update will be made through the Final Survey, planned for 2023, before the Project closing date.</p>			
<p>► Improved inter-governmental coordination and capacity to assess, monitor and report on progress with implementation of the EU Nitrates Directive (Text, Custom)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	TBD from gap analysis report	Improvements acknowledged - Good capacity of the governmental institutions in the assessment, monitoring and reporting regarding the implementation of the EU Nitrates Directive	Improvements acknowledged - Good capacity of the governmental institutions in the assessment, monitoring and reporting regarding the implementation of the EU Nitrates Directive	Improvements acknowledged
Date	01-Feb-2008	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	<p>The Commission (The Inter-Ministerial Committee) for the implementation of the Action Plan for the protection of waters against nitrate pollution from agricultural sources was established by GD 964/2000. This consisted of specialists from the Ministry of Water, Forests and Environmental Protection, from the Ministry of Agriculture and Food and the Ministry of Health. Besides the commission there is a Support Group composed of representatives of the National Company "Romanian Waters" – S.A., of the basin committees and specialised institutes and units under the authority and coordination of the Ministry of Waters, Forests and Environment Protection, of the Ministry of Agriculture and Food and of the Ministry of Health. The Inter-Ministerial Committee (IC) for the Implementation of the Action Plan for the protection of waters against pollution caused by nitrates from agricultural sources is fully functional. The last meeting of the Commission was held on 20.04.2023. At this meeting, the PMU made a presentation of the activities implemented under the Project.</p>			
<p>► Favorable EU assessment of Romania's progress towards meeting EU Nitrates Directive (Text, Custom)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	n.a.	Progress acknowledged	Progress acknowledged	Progress acknowledged through EU comments on reports.
Date	01-Feb-2008	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	<p>Romania's latest report regarding the implementation of the EU Directive 91/676/EEC (Nitrate Directive) for the period 2016-2019 was submitted to the European Commission on time, in June 2020. Worth mentioning is that in chapter 7 of this report, an entire section is dedicated to the achievements of the Integrated Nutrient Pollution Project, both the Original INPC (2008-2017) and the AF-INPC (2017-2022), as a major investment project targeting the reduction of water pollution with nutrients, not only through important investments but also throughout the information, awareness, education, training and support</p>			



	provided to farmers and to all interested in waters protection against pollution with nitrates originating from agriculture.			
	► Nutrient load reduction (Nitrogen(N)) achieved under the project (Tons/year, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	529.83	696.68	600.00
Date	01-Feb-2008	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	<p>Presently, the monitoring data are collected through the Database software application for online communication with the local authorities. The PMU will continue to provide training to the communes' officials on reporting using this application.</p> <p>This indicator is estimated yearly. The last update was for the year 2022.</p> <p>The nutrients load reduction (N) due to the platform's operation is calculated at 671.18 tons.</p> <p>The nutrients load reduction (N) due to the sewerage systems operation is calculated to 25.50 tons.</p>			

Intermediate Results Indicators by Components

Project management				
	► Number of surveys conducted that collect feedback and report back the results to the communities (Number, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	3.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023

Investments in Local Communities for Reducing Nutrient Pollution				
	► Percentage of cropped area in the project communes under relevant nutrient reduction measures. (Text, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	9% (updated from baseline survey)	71.9%	71.9%	60%
Date	26-Feb-2009	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	<p>The Mid-Term Survey in the Additional Financing completed in December 2020, showed that the percentage of cropped area in the project communes under relevant nutrient reduction measures is 71.9%, as compared with the target of 60.0%. The next update will be made through the Final Survey, planned for 2023, before the Project closing date.</p>			
	► Number of communal platforms completed (cumulative) (Text, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	170.00	170.00	150.00
Date	26-Feb-2009	10-Nov-2022	31-May-2023	31-Dec-2023



Comments:	There are 86 platforms for animal waste management and storage already completed in 81 communes under the original loan. New investments in platforms and composting stations for animal waste management in the Additional Financing Project are completed or under construction in 85 communes. Out of these, 84 platforms were completed, and three platforms are in construction, in the final stages.			
► Percentage of households with access and connection to sewage system (in targeted villages receiving sewage investments) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	75.30%	81.88%	60%
Date	16-Feb-2007	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	Calculated as the average of the connection percentages for each of the completed sewage systems, as reported by beneficiaries. Availability of the sewerage network in front of the properties allows for more and more households to opt for building toilets and bathrooms, and thus there is an upward trend with regards to the number of connections.			

Public Awareness and Information Support				
► Number of meetings/public consultations/workshops organized towards meeting project objectives (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	239.00	247.00	200.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	8 meetings/workshops with local authorities and farmers were held in the reporting period.			
► Percentage of questions, comments or complaints relevant to the project that are received and addressed within indicated 30 days (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	During year 2019, a complaint was received from one person involved in the construction works regarding the quality of construction works for the sewerage investment Targoru Vechi, Prahova county. The PMU checked the reality of the issues raised and a response with the check findings was given to the complainant within the indicated period of 30 days. In 2020, 2021, 2022 and in 2023, until May31st, no other complaints were received.			

Institutional Strengthening and Capacity Building				
► Working groups at Water Basin and County levels functioning effectively and all staff working on the Nitrates Directive fully operational. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Ad-hoc implementation of working groups	WGs are functioning effectively.	WGs are functioning effectively.	WGs effective to support EU reporting and to coordinate actions of other agencies



Date	16-Feb-2007	10-Nov-2022	31-May-2023	31-Dec-2023
► Increased number of groundwater quality monitoring sites and sample analysis for the Nitrate Directive (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	7.50	7.50	8.12	8.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023
► Number of technical staff (ANAR, EPA, Health Directorates) trained (cumulative) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	689.00	689.00	700.00
Date	26-Feb-2009	10-Nov-2022	31-May-2023	31-Dec-2023
► Number of farmers trained by knowledge and training providers on Code of Good Agricultural Practices (male/female disaggregated) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	7,063.00	6,128.00	6,000.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	7,295 participants received the 1st day of the training; while 6,609 participants received the second day of training, 6,128 participants received the third day of training and 404 received a special 4th day of training (the target is to train almost 6000 participants in 3 sessions). The 4th day of training is delivered through an integrated approach on nitrogen pollution, participants learning also about the air emissions (especially ammonia and nitrous oxide) which are finally leading to nitrates emissions (as nitrogen travels by air but ends up in water as nitrates). Around 362 discussions groups were set-up, supported by around 236 champion farmers and 76 communal platforms hosting demonstrations for manure management good practices.			
□ Number of female farmers trained by knowledge and training providers on Code of Good Agricultural Practices (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,052.00	2,200.00	2,400.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023
► Reduction in number of farmers penalized by APIA for non-compliance with Nitrate Directive (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	50.00	12.60	14.47	25.00
Date	04-Nov-2015	10-Nov-2022	31-May-2023	31-Dec-2023
► Land users adopting sustainable land mgt. practices as a result of the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	34,800.00	47,100.00	30,000.00
Date	01-Feb-2008	10-Nov-2022	31-May-2023	31-Dec-2023
Comments:	Actual values represent the calculation based on the finalized investments. It was estimated that around 300 persons per commune are using and benefits of Project investments. To date, there are 157 communes with completed investments.			
▶ Number of project communes implementing at least one of the following nutrient reduction measures: communal platforms, pasture rehabilitation, tree planting (cumulative) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	194.00	194.00	200.00
Date	26-Feb-2009	10-Nov-2022	31-May-2023	31-Dec-2023
▶ Land area where sustainable land mgt. practices were adopted as a result of proj (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30,416.00	42,756.00	38,000.00
Date	01-Feb-2008	10-Nov-2022	31-May-2023	31-Dec-2023

Performance-Based Conditions

Data on Financial Performance

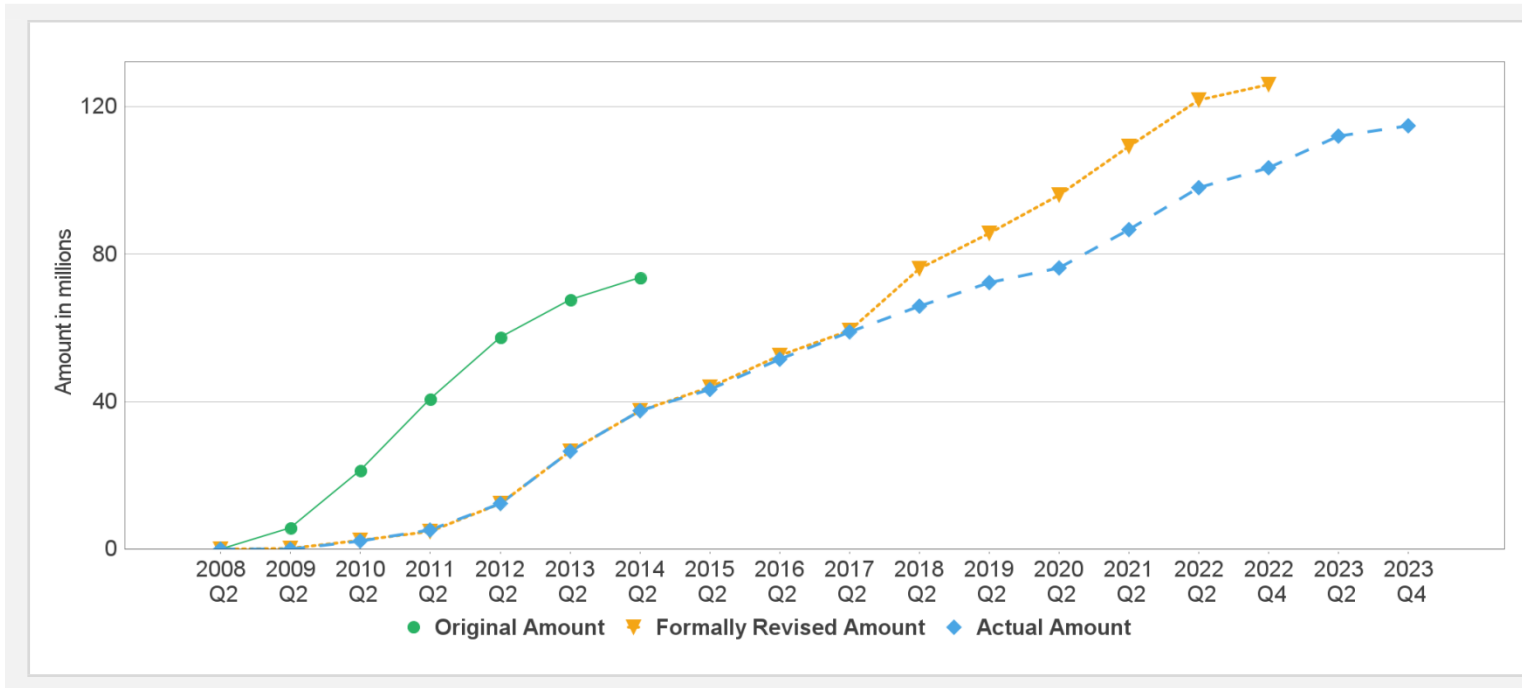
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P093775	IBRD-48730	Closed	USD	68.10	65.84	2.26	60.30	0.00	100%
P093775	IBRD-85970	Effective	USD	52.39	52.39	0.00	49.09	4.51	92%
P099528	TF-58040	Closed	USD	5.50	5.47	0.03	5.47	0.00	100%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P093775	IBRD-48730	Closed	30-Oct-2007	28-Dec-2007	08-Dec-2008	31-Dec-2013	31-May-2017
P093775	IBRD-85970	Effective	28-Mar-2016	14-Apr-2016	13-Apr-2017	31-Mar-2022	31-Dec-2023
P099528	TF-58040	Closed	28-Dec-2007	28-Dec-2007	08-Dec-2008	31-Dec-2013	31-May-2017

Cumulative Disbursements



Restructuring History

Level 1 Approved on 13-Jul-2012 ,Level 2 Approved on 05-Aug-2013 ,Level 2 Approved on 08-Sep-2015 ,Level 2 Approved on 03-Nov-2016 ,Level 2 Approved on 15-Oct-2019 ,Level 2 Approved on 22-Oct-2021 ,Level 2 Approved on 20-Mar-2023

Related Project(s)

P099528-GEF Romania Integrated Nutrient Pollution Control Project ,P155594-Integrated Nutrient Pollution Control Project - Additional Financing