



MINISTERUL MEDIULUI
AL REPUBLICII MOLDOVA

Ministerul Mediului din Japonia

Seminar

Promovarea implementării Mecanismului Comun de Creditare (JCM) în Republica Moldova

10 noiembrie 2023

**Cadrul legal și instituțional al Republicii
Moldova privind Mecanismul Comun de
Creditare**

**Stela DRUCIOC,
Consultant UNEP CCAC pentru Republica Moldova**



Cadrul legal

- **Hotărârea Parlamentului 404/1995 pentru ratificarea Convenției-cadru a Organizației Națiunilor Unite cu privire la schimbarea climei**
- **Legea Parlamentului 29/2003 pentru aderarea Republicii Moldova la Protocolul de la Kyoto la Convenția-cadru a Organizației Națiunilor Unite cu privire la schimbarea climei**
- **Legea Parlamentului 78/2017 pentru ratificarea Acordului de la Paris**
- **Memorandum de cooperare privind Mecanismul comun de creditare între Guvernul Republicii Moldova și Guvernul Japoniei, semnat la 6 septembrie 2022**
- **Ordinul Ministerului Mediului 8 noiembrie 2023 privind crearea Comitetului Mixt din partea Republicii Moldova privind Mecanismul comun de creditare.**

Draft Law on Climate actions transposes 9 EU Regulations and Directives

- ✓ EU Regulation 2018/1999 on the governance of the Energy Union and climate actions;
- ✓ ~~EU Regulation 2018/2066 on the monitoring and reporting of greenhouse gas emissions;~~
- ✓ EU Regulation 2018/2067 on data verification and accreditation of verifiers under Directive 2003/87/EC;
- ✓ Directive 2003/87/EC establishing the system for trading greenhouse gas emission allowances;
- ✓ EU Regulation 2017/2392 to maintain the current scope limitations for aviation activities and to prepare for the implementation of a global market-based measure from 2021;
- ✓ EU Regulation 2018/841 on the inclusion of greenhouse gas emissions and removals from activities related to land exploitation, land-use change (LULUCF) and forestry in climate and energy policies for 2030;
- ✓ EU Regulation 2018/842 on the mandatory annual reduction of greenhouse gas emissions by the member states in the period 2021-2030 in order to contribute to the climate actions to comply with the commitments assumed under the Paris Agreement;
- ✓ EU Regulation 2021/1119 establishing the framework for achieving climate neutrality and amending (European Climate Law) and Directive (EU) 2018/410 amending Directive 2003/87/EC in order to make the reduction of carbon dioxide emissions profitable and to increase investments in this field.

Domestic MRV system



- **GD No. 1277 dated 26.12.2018 on establishing and functioning of National System for Monitoring and Reporting (NSMR) greenhouse gas emissions and other information relevant to climate change, transposes:**
 - ✓ **Regulation (EU) 525/2013** on mechanism for monitoring and reporting greenhouse gas emissions and for reporting other information
 - ✓ **Regulation (EU) 2018/1999** on the governance of the Energy Union and climate action
 - ✓ **Regulation (EU) 2020/1208** with regard to values for global warming potentials and the inventory guidelines
 - ✓ Commission Implementing **Regulation (EU) 2022/2299** regarding the structure, format, technical details and procedures for integrated interim national reports on energy and climate
- **Regulation on the Monitoring, Reporting and Verification of Greenhouse Gas Emissions from Stationary Installations and Aviation Activities** (transposes ETS Directive 2003/87/EC)



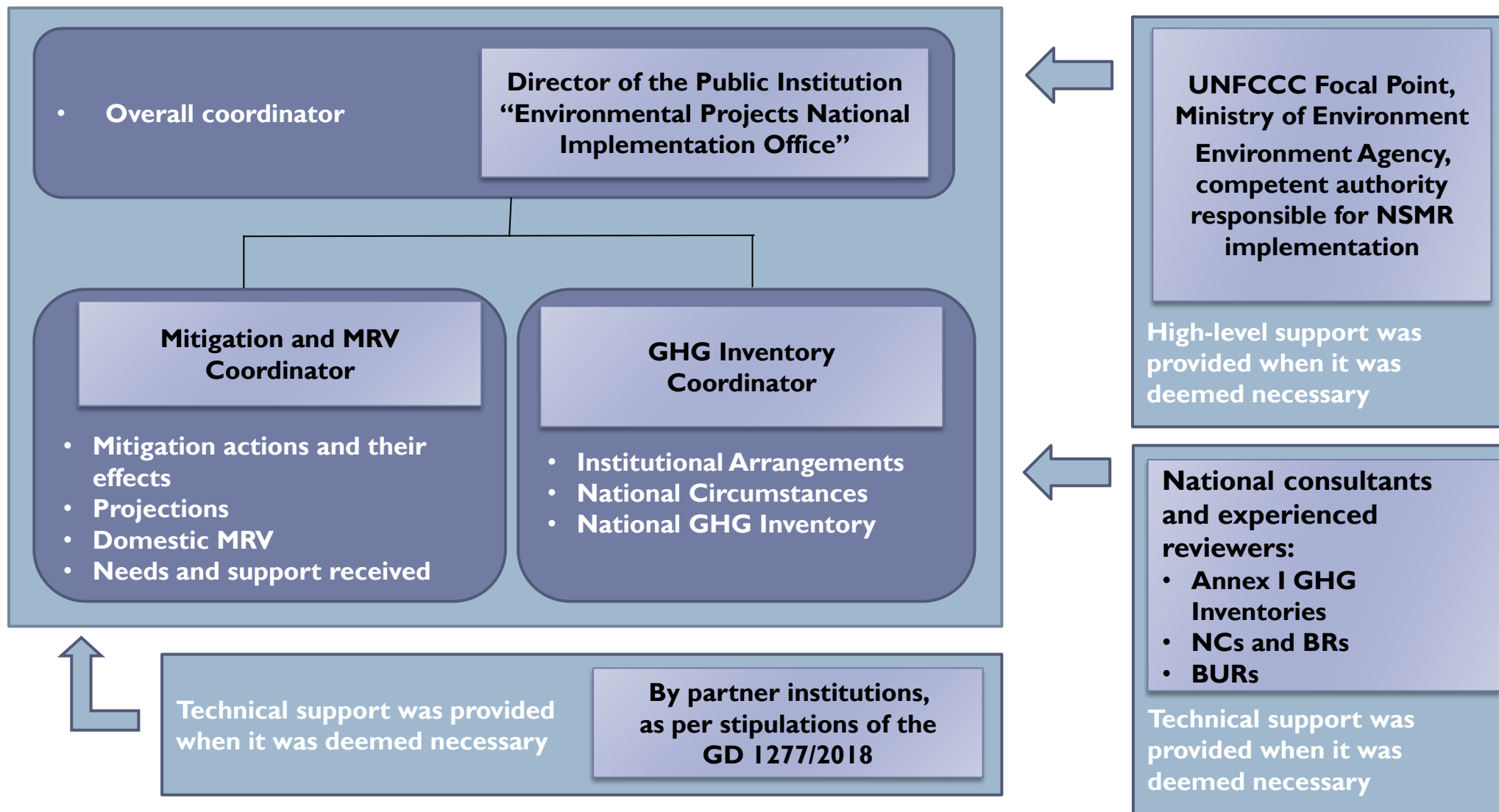
National context



- **Republic of Moldova's submissions to the UNFCCC:**
 - ▶ **1NC and the GHG Inventory for the period 1990-1998 (2000);**
 - ▶ **2NC and the NIR for the period 1990-2005 (2010);**
 - ▶ **3NC and the NIR for the period 1990-2010 (2014);**
 - ▶ **1BUR and the NIR for the period 1990-2013 (2016);**
 - ▶ **4NC and the NIR for the period 1990-2015 (2018);**
 - ▶ **2BUR and the NIR for the period 1990-2016 (2019);**
 - ▶ **3BUR and the NIR for the period 1990-2019 (2021);**
 - ▶ **5NC and the NIR for the period 1990-2020 (2022).**
 - ▶ **1st BTR it is in process of development.**



Institutional arrangements for preparing and participation in the ICA Process





Politice din domeniu schimbărilor climatice

- **Hotărârea de Guvern 55/2023 cu privire la aprobarea Programului național de extindere și reabilitare a pădurilor pentru perioada 2023-2032 și a Planului de acțiuni pentru implementarea acestuia pe perioada 2023-2027**
- **Hotărârea de Guvern 624/2023 cu privire la aprobarea Programului național de adaptare la schimbările climatice și a Planului de acțiuni până în anul 2030**
- **Hotărârea de Guvern 659/2023 cu privire la aprobarea Programului de dezvoltare cu emisii reduse a Republicii Moldova până în anul 2030**
- **Planul integrat pentru energie și clima (în curs de elaborare)**

➤ I. MITIGATION

Objective	Unconditional GHG reduction (%)	Conditional GHG reduction (%)
NDC1	64-67%	78%
NDC2	70%	88%

➤ II. ADAPTATION

The Republic of Moldova also included an adaptation component in its updated NDC, in line with Articles 2.1 and 7.1 of the Paris Agreement and the Katowice Rulebook (COP 24). This adaptation component sets the country's adaptation priorities, which are derived from existing documents establishing national policies covering intersectoral and sectoral issues of national development. The Republic of Moldova's priority adaptation sectors are: agriculture, water resources, human health, forestry, energy and transport.



Mitigation actions and their effects

The Low Emissions Development Programme until 2030 and the Action Plan for its implementation, is aiming the updated NDC (2020) implementation.

The LEDP 2030 nationally wide and sectorial reduction targets vs 1990 year level are presented below:

Sectors	By 2030	
	Unconditional (with existing measures scenario)	Conditional (with additional measures scenario)
Energy	81	87
Transport	52	55
Buildings	74	77
Industry	27	31
Agriculture	44	47
LULUCF	10	391
Waste	14	18
TOTAL	70	88



Mitigation actions and their effects



Moldova NAMAs registered in UNFCCC NAMA Registry

No.	NAMA	Emission reduction by 2030, kt CO ₂ /yr	Investment needed, mil Euro	Specific investments, €/t CO ₂ cum.
1	Promotion of small scale CHPs in the RoM	41	22	21
2		327	192	49
3		284	117	4
4		95	14	10
5		250	72.5	12
6	Promotion of heat pumps in the RoM	67	154	115
7	Promotion of wind power plants (WPP) in the RoM	609	640	53
8	Use of solar energy for domestic hot water production in the RoM	116	493	213
9	Clinker substitution at cement production	90	81	45
10	Hybrid and electric buses and minibuses in the city of Chisinau	24	212	883
11	Reducing GHG emissions from Enteric Fermentation by including dried grape marc in cattle ratios	69	4.3	4
12	Implementation of soil conservation tillage system in the RoM	323	184	38
TOTAL		2295	2186	
NDC target coverage:		60%		



Mitigation actions and their effects

CDM projects: 10 (including: 2 – ongoing and 4 – end of crediting period)

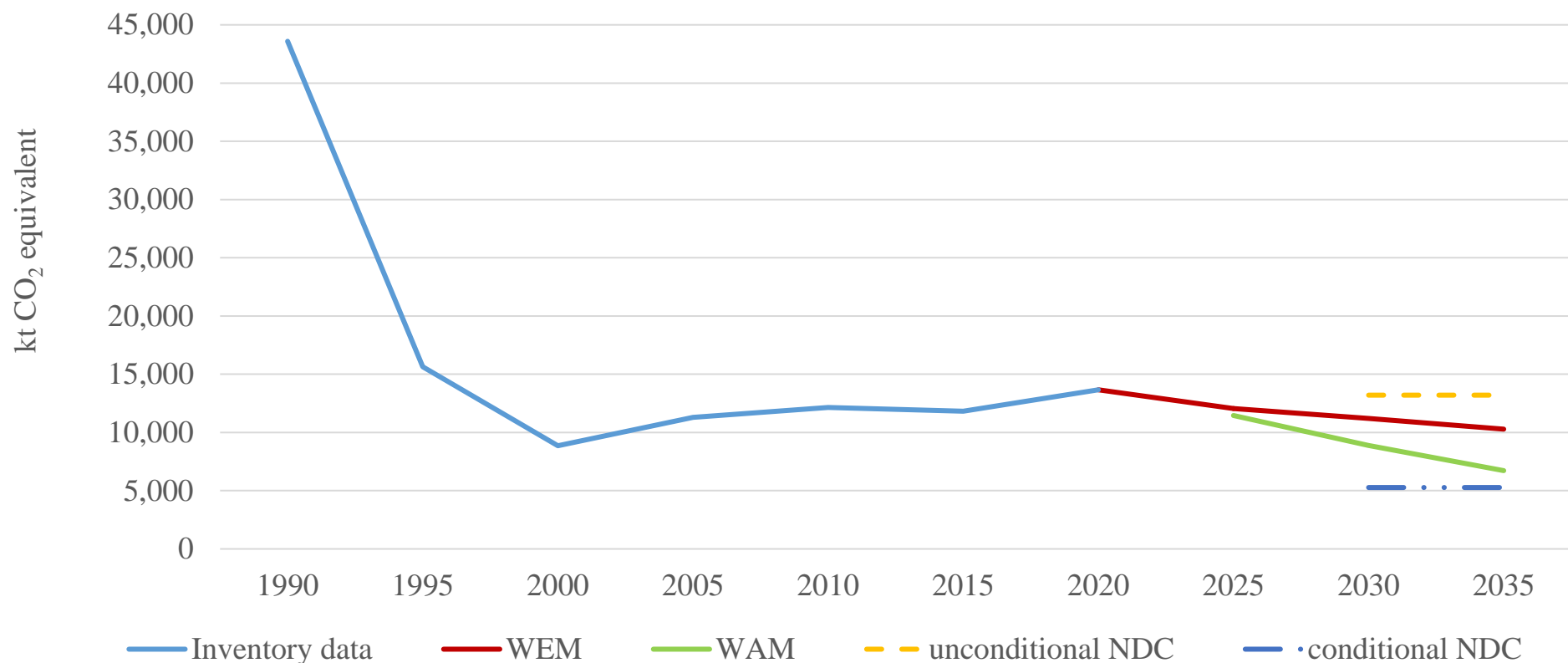


Date of approval by DNA	Project Name	Expected annual emissions reduction, tons CO ₂	CERs issued until 01.11.2020, t CO ₂ eq	Status of the project
07/02/2012	Reduction of fugitive gas leakage from the distribution network "Tiraspoltransgaz-Pridnestrovie" SRL, RoM	164,043	0	Registered
20/12/2011	Reducing the fugitive gas leakage from Moldovagaz distribution network, RoM	748,903	0	Registered
17/03/2009	The afforestation/reforestation project of the RoM	94,354	1,023,906	Ongoing
31/07/2006	Production of biogas from pressed sugar beet pulp at the sugar production plant in Drochia, Südzucker Moldova	21,142	0	Registered
31/07/2006	Construction of Combined Heat and Power Plant at SE "Tirotex", Tiraspol, RoM	62,000	0	End of crediting period
19/07/2006	Recovery of biogas from the solid waste disposal site from Țantareni, Anenii Noi rayon, RoM	61,757	0	In the process of registration
30/09/2005	Biomass-based Heating in Rural Communities of the RoM No. 2	17,888	36,658	End of crediting period
01/10/2005	Biomass-based Heating in Rural Communities of the RoM No. 1	17,888	43,062	End of crediting period
02/10/2005	Energy Conservation in the RoM	11,567	44,339	End of crediting period
09 /09 /2004	Soil Conservation in the Republic of Moldova	179,242	851,911	Ongoing
TOTAL		1,378,784	1,999,876	



Mitigation actions and their effects

Reduction targets: By 2030, the GHG emissions under the WEM are expected to be lower than in 1990 by 74% as compared to 70% according to the unconditional scenario of the updated NDC (2020). Under the WAM, the GHG emissions reductions from the implementation of currently considered mitigation actions still will not allow to achieve the reduction targets set up in the conditional scenario of the updated NDC (2020).



Support received and needed



Financing support received:

- By end of 2022 year, the GEF Trust Fund provided to the RoM the total amount of 35.8 million USD for implementation of national projects. A total amount of 142.3 million USD was mobilized in the form of co-financing.
- The BUR3 project (2020-2021) was supported by GEF with 352,000 US dollars, while the NC5 project (2019-2023), was supported by GEF with 500,000 US dollars.

Financing support needed:

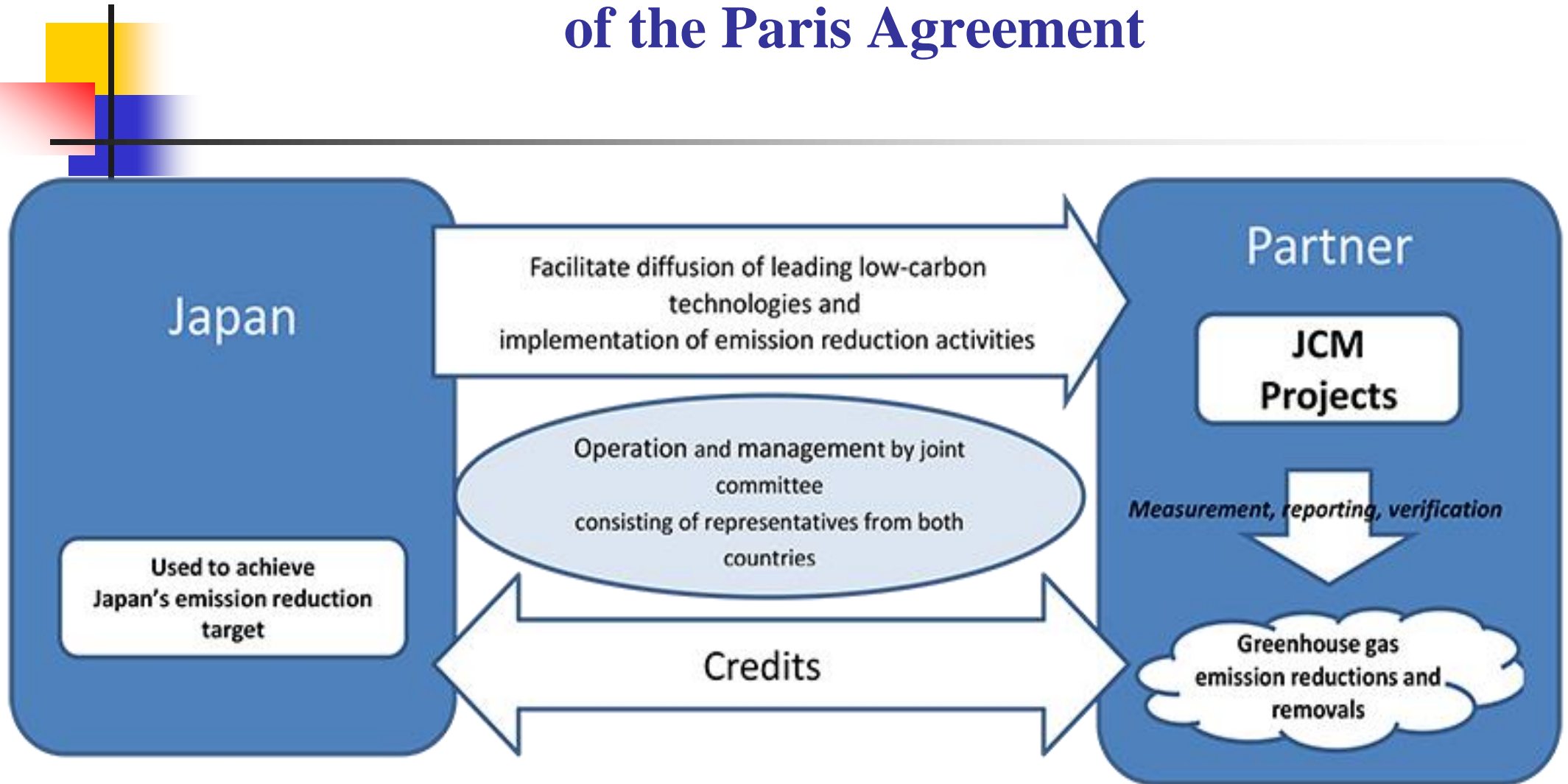
- Technical and capacity development needs were estimated to around US \$1.5 million;
- The financial needs for the implementation of unconditional and conditional mitigation actions (NAMAs) considered in the Low Emissions Development Programme of the RoM until 2030 were



Comitetului mixt privind Mecanismul comun de creditare

Japonia	Republica Moldova
<ul style="list-style-type: none">1. Ambasada Japoniei In Moldova2. Ministerul Afacerilor Externe3. Ministerul Economiei, Comerțului si Industriei4. Ministerul Mediului5. Agenția Silvica <p><i>Total 6 persoane</i></p>	<ul style="list-style-type: none">1. Ministerul Mediului2. Ministerul Finanțelor3. Ministerul Infrastructurii si Dezvoltării Regionale4. Ministerul Economiei si Digitalizării5. Ministerul Sănătății <p><i>Total 10 persoane</i></p>

The scheme of the JCM under Art6.2 of the Paris Agreement

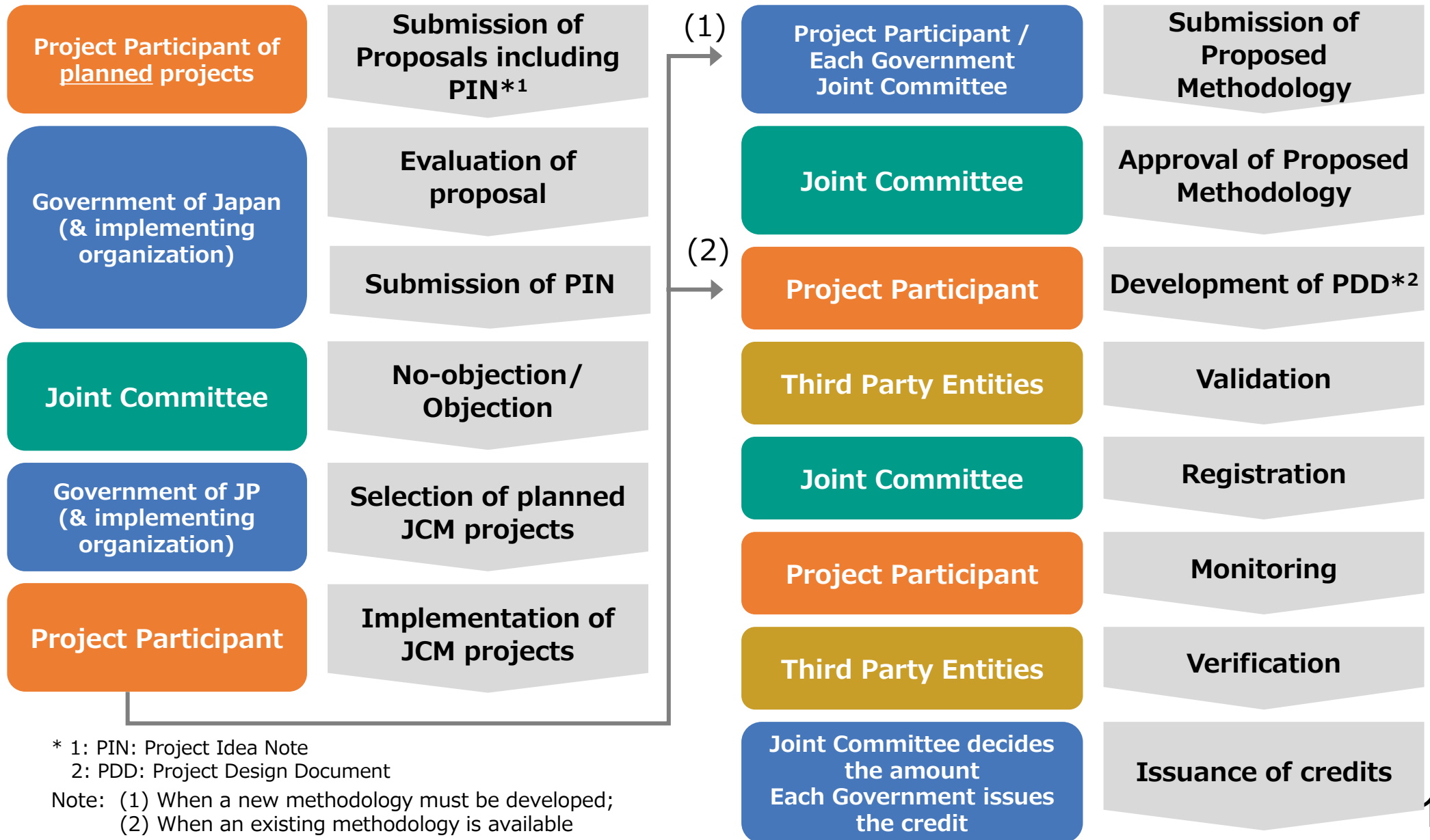


JCM Rules, Guidelines, and Forms

Category	Rules and Guidelines	Forms
General	Memorandum of Cooperation (MoC)	
	1. Rules of Implementation (RoI)	
	2. Glossary of Terms	
	3. Common Specifications of the JCM Registry	
Project Cycle	4. Project Cycle Procedure (PCP)	<ol style="list-style-type: none"> 1. Project Idea Note (PIN) Form 2. Modalities of Communication Statement Form 3. Assessment of Reference Emissions Request Form 4. Project Registration Request Form 5. Percentage of Credit Allocation Form 6. JCM Project Implementation Report Form 7. Credits Issuance Request Form 8. Renewal of Crediting Period Request Form 9. Approved Methodology Revision Request Form 10. Post-Registration Change Request Form 11. Registration Request Withdrawal Form 12. Project Withdrawal Request Form 13. Issuance Request Withdrawal Form
	5. Guidelines for Developing Proposed Methodology	<ul style="list-style-type: none"> • Proposed Methodology Form* • Proposed Methodology Spreadsheet*
	6. Guidelines for Developing Project Design Document and Monitoring Report	<ul style="list-style-type: none"> • Project Design Document (PDD) Form*
	7. Guidelines for Developing Sustainable Development Implementation Plan and Report	<ul style="list-style-type: none"> • Sustainable Development Implementation Plan (SDIP)* • Sustainable Development Implementation Report (SDIR)*
	8. Guidelines for Designation as a Third-Party Entity	<ul style="list-style-type: none"> • Application Form for Designation as a Third-Party Entity*
	9. Guidelines for Validation and Verification	<ul style="list-style-type: none"> • Validation Report Form • Verification Report Form
	10. Rules of Procedures for the Joint Committee	
Third-Party Entity (TPE)		
Joint Committee (JC)		

Project Cycle of the JCM

In case project participants of a planned project expect to receive financial support from the Government of Japan





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Thank you for attention!

