



Intended Nationally Determined Contribution (INDC) of the Republic of Moldova for the UNFCCC COP21

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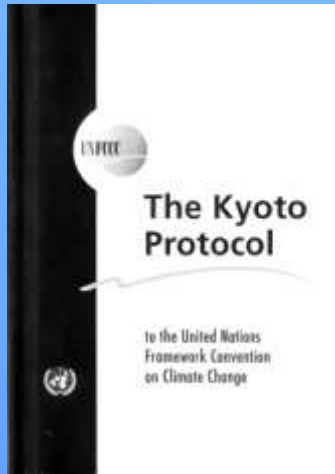
19 November 2015

Brussels

Republic of Moldova and UNFCCC



UNFCCC – ratified by the Republic of Moldova on March 16, 1995, Parliamentary Decision No.404-XIII



Kyoto Protocol to the UNFCCC - ratified by the Republic of Moldova on February 13, 2003, Law No. 29-XV

GHG mitigation measures within UNFCCC

COP19 (Warsaw, 2013), (Decision 1/ CP.19) the Parties agreed to communicate intended nationally determined contributions (INDC) to be included in the new agreement in 2015 to be considered and approved at COP 21 (Paris, 2015) and covering a new period of engagement (1 January 2021-31 December 2030) on reducing GHG emissions.

COP 19 (Decision 21/CP.19) was approved general Guide to domestic procedures for measuring, reporting and verification of nationally appropriate mitigation actions of developing countries

GHG mitigation measures within UNFCCC

COP 20 (Lima 2014) the Parties stated the Lima Call for Climate Action, that repeatedly invited the Parties (Decision 1/CP.20) to communicate to UNFCCC Secretariat national INDC's to achieve the objective of the Convention as it is set out in Article 2.

The parties established that in order to facilitate greater clarity, transparency and understanding, INDC should include the following:

- (i) quantifiable information on the reference period;**
- (ii) the time framework and the period of contribution implementation;**
- (iii) spectrum (including gases and sectors), the type and scope of contribution;**
- (iv) planning processes in the context of approval of INDC;**
- (v) key assumptions and methodological approaches to be used to quantify GHG emissions and reductions; and**
- (vi) information on country's considerations on the equitability and ambitiousness of INDC, by taking into account specific national circumstances; respectively, how INDC will facilitate achievement of the objective of the Convention, as set out in Article 2.**

GHG mitigation measures within UNFCCC.

According to Lima Call for Climate Action, countries have been invited to submit the INDC, by September 30, 2015

Republic of Moldova is fully dedicated to negotiation processes of the UNFCCC for adoption at COP 21 of a Protocol or another legal instrument or document with legal force under the Convention applicable in relation to all Parties, in accordance with the objective of maintaining global warming to an expected by 2100 below 2 ° C compared to pre-industrial times

On September 25, 2015 was officially declared INDC and presented associated information to facilitate clarity, transparency and understanding in relation to stipulations of Decisions 1/CP.19 and 1/CP.20

General aspects on Republic of Moldova's INDC

Mitigation targets in the context of INDC:

Emission targets with reference to the base year (e.g. 25% reduction in 2020 compared to 1990)

Fixed emission target (e.g. zero emissions by 2050)

Intensity reduction over the base year (e.g. 40% reduction CO₂/GDP in 2020 compared to 1990)

Objective emission reduction compared to baseline (e.g. 30% CO₂ reduction in 2020 compared to SLB)

Moldova has established mitigation targets by 2030 compared to the base year (1990).

General aspects on Republic of Moldova's INDC

GHG Mitigation Scenarios per sector compared to 1990, %

| Sectoarele | SLB | | SM | | SMA | |
|---------------------|------|------|------|------|------|-------|
| | 2020 | 2030 | 2020 | 2030 | 2020 | 2030 |
| Energetica | -73 | -65 | -75 | -70 | -78 | -77 |
| Procese industriale | -46 | -16 | -58 | -45 | -62 | -56 |
| Solvenți | -51 | -51 | -51 | -51 | -51 | -51 |
| Agricultura | -44 | -30 | -48 | -37 | -50 | -41 |
| UTSUTGS | -94 | -55 | -88 | -38 | -82 | -24 |
| Deșeuri | -14 | 7 | -23 | -38 | -26 | -47 |
| Total, fără UTSUTGS | -66 | -56 | -68 | -63 | -72 | -70 |
| Total, cu UTSUTGS | -61 | -56 | -65 | -67 | -71 | -77.6 |

General aspects on Republic of Moldova's INDC

GHG emission scenarios by each type of gaze

| Anii | 1990 | 2010 | 2015 | 2020 | 2025 | 2030 |
|--------------------------------|-------|-------|-------|-------|-------|-------|
| Scenariul Liniei de Baza | | | | | | |
| Emisii de CO2 | 35356 | 8501 | 8893 | 9702 | 11056 | 12836 |
| Emisii de CH4 | 4588 | 2683 | 2770 | 3038 | 3331 | 3636 |
| Emisii de N2O | 3315 | 1572 | 1957 | 2000 | 2295 | 2523 |
| Emisii ale gazelor-F | n.a. | 103 | 138 | 183 | 228 | 273 |
| Total emisii de GES | 43260 | 12859 | 13757 | 14923 | 16910 | 19268 |
| Scenariul Cu Masuri | | | | | | |
| Emisii de CO2 | 35356 | 8501 | 8396 | 8990 | 9777 | 10826 |
| Emisii de CH4 | 4588 | 2683 | 2663 | 2599 | 2268 | 2518 |
| Emisii de N2O | 3315 | 1572 | 1852 | 2013 | 2194 | 2407 |
| Emisii ale gazelor-F | n.a. | 103 | 129 | 148 | 167 | 186 |
| Total emisii de GES | 43260 | 12859 | 13040 | 13750 | 14406 | 15938 |
| Scenariul Cu Masuri Aditionale | | | | | | |
| Emisii de CO2 | 35356 | 8501 | 8028 | 7626 | 7814 | 8321 |
| Emisii de CH4 | 4588 | 2683 | 2616 | 2502 | 2111 | 2269 |
| Emisii de N2O | 3315 | 1572 | 1816 | 1970 | 2139 | 2290 |
| Emisii ale gazelor-F | n.a. | 103 | 107 | 99 | 91 | 83 |
| Total emisii de GES | 43260 | 12859 | 12568 | 12196 | 12155 | 12962 |

Republic of Moldova INDC - mitigation

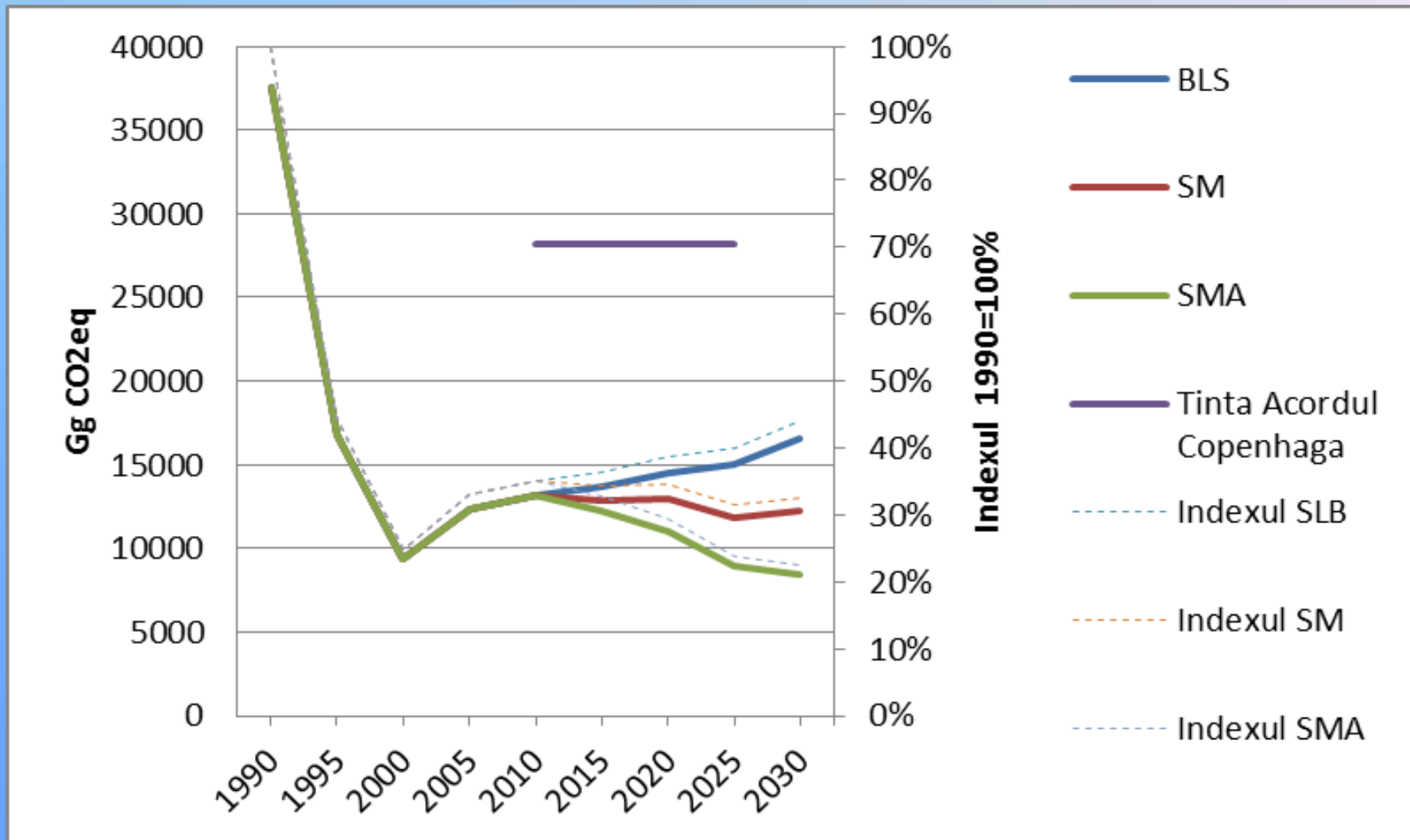
Republic of Moldova is committed to achieve by 2030 the target of 64-67% unconditional net emission reduction (with FTSCFTS) of GHG compared to the base year (1990).

The commitment corresponds to Measures Scenario:

- 64% reduction corresponds to the absence of electricity imports,**
- 67% reduction admits import of electricity at a rate of up to 30%.**

The commitment to reduce emissions of greenhouse gases could increase conditionally up to 78% - the subject of a future comprehensive agreement that would address important issues for Moldova, as well as providing financial resources at low cost, technology transfer and multilateral technical cooperation, access to all of them in appropriate measure global climate change challenges.

Republic of Moldova INDC - mitigation



The investment effort for achievement of Moldova's INDC targets

In order to achieve CM and CMA scenarios the following additional investments for the baseline scenario are needed:

For CM:

during the years 2016-2020: US \$ 1 328 billion;

during the years 2016-2030: US \$ 3 741 billion;

For CMA:

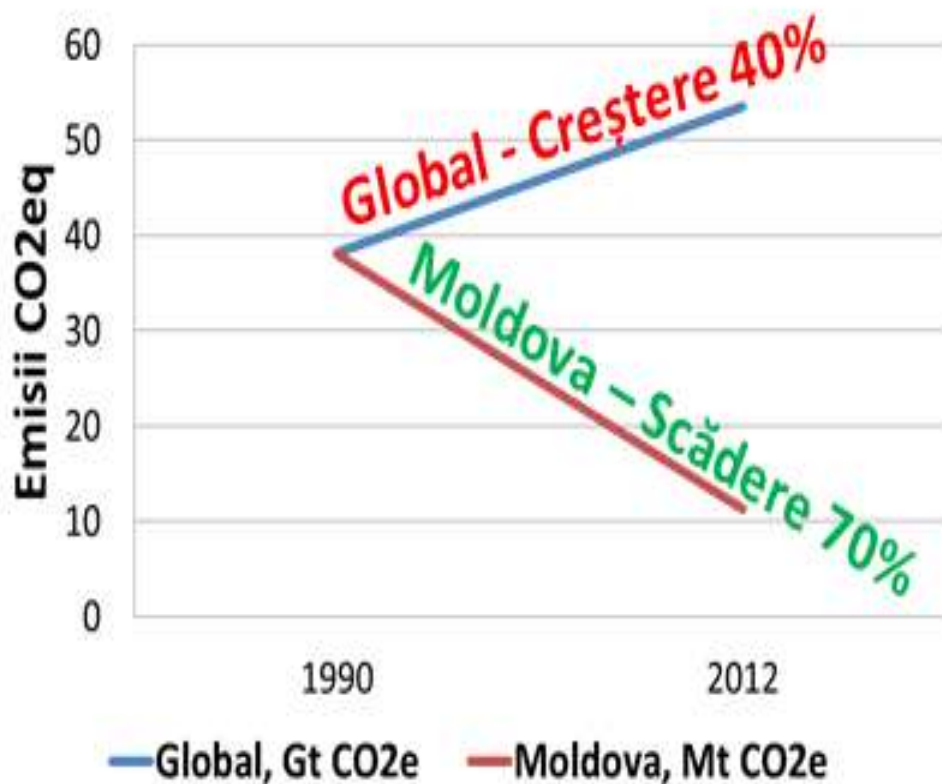
during the years 2016-2020: US \$ 3 98 billion;

during the years 2016-2030: US \$ 8 642 billion;

The way in which Moldova considers that the INDC are equitable and ambitious in the light of national circumstances, and how it contributes to the objective of the Convention as outlined in Article 2.

➤ În anul 1990 R. Moldova a emis **0,1%** din emisiile globale de CO2

➤ În anul 2012 - **0,03%**, drept urmare a:



✓ Regresului economic în 20 ani:

PIB: R. Moldova 3,4 mii \$SUA/cap de locuitor, locul 130 în lume (2011);

România – 16 mii \$SUA/cap, locul

Rusia – 22 mii \$SUA/cap, locul 44

Letonia - 19 mii \$SUA/cap, locul 50

✓ Creșterii considerabile a prețurilor la energie și înlăturarea subvențiilor încrucișate la plata resurselor energetice

✓ Noua structură a Economiei

Thank you for attention!

Ministry of Environment of the Republic of Moldova

<http://www.mediu.gov.md>