



Food and Agriculture
Organization of the
United Nations

FAO and the Enhanced transparency framework

FAO NDC Tracking Tool - Exercise

Mirella Salvatore

Office of Climate Change, Biodiversity and Environment

Food and Agriculture Organization



Setting the scene

NDC TARGET

By 2030 country X intends to reduce in the economy-wide the net GHG emissions by 25% and towards 47% (additional 22% with substantial international support) compared to 2015 levels.

Country X also include three sectorial Non-GHG targets for Energy, Agriculture and LULUCF, with P&Ms included in the target and with 2015 as reference base year.



Background information

HOME

- NDC Submission year: 2018
- Today's year: 2023
- Start of implementation: 2020
- End of implementation: 2030
- Last GHG inventory year: 2015
- IPCC methodology: 2006 IPCC and subsequent guidelines
- GWP: Forth Assessment Report



Scope and coverage of the NDC

NDC DESCRIPTION

- Coverage: Economy wide
- Target type: GHG target
- P&Ms included in or separate from the target: Included in
- Reference type: Base year
- Base year or historical: 2015
- Unconditional contribution: 25%
- Conditional contribution: 22%
- Total target: 47%



Scope and coverage of the NDC

NDC DESCRIPTION

- IPCC Sectors covered:
 - ✓ Energy
 - ✓ IPPU
 - ✓ Agriculture
 - ✓ Land Use, Land-Use Change and Forestry
 - ✓ Waste
- Gases covered: Carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O)



Scope and coverage of the NDC

NDC DESCRIPTION

- Coverage: Energy
- Target type: Non-GHG target
- P&Ms included in or separate from the target: Included in
- Reference type: Base year
- Base year or historical: 2015



Scope and coverage of the NDC

NDC DESCRIPTION

- Coverage: Agriculture
- Target type: Non-GHG target
- P&Ms included in or separate from the target: Included in
- Reference type: Base year
- Base year or historical: 2015



Scope and coverage of the NDC

NDC DESCRIPTION

- Coverage: LULUCF
- Target type: Non-GHG target
- P&Ms included in or separate from the target: Included in
- Reference type: Base year
- Base year or historical: 2015



Scope and coverage of the NDC

NDC DESCRIPTION

- Coverage: Waste
- Target type: Non-GHG target
- P&Ms included in or separate from the target: Included in
- Reference type: Base year
- Base year or historical: 2015



Policies and Measures

Country X identified some policies and measures that will contribute to the economy-wide target:

- Renewable Energy
- Sustainable agriculture
- National REDD+ Strategy
- Sustainable solid waste management



Policies and Measures

- Renewable Energy (2020-2030)

Starting from 2018 the Ministry of Energy is switching fossil fuel with renewable source, e.g. diesel/HFO to biodiesel; diesel engine to mini-hydro power. The objective is to reduce the use of fossil fuel by 20% compared to 2015 (350 000) by 2030.



Policies and Measures

- Sustainable agriculture

The Ministry of Agriculture is promoting reduced use of synthetic fertilizer in 25,000 ha of farmland. In 2015 the use was equal to 20 tons and the end target is 5 tons, expecting an increase of organic fertilizer, by 2030.



Policies and Measures

- National REDD+ Strategy (2020-2030)

In 2015, 50 000 hectares of forest were cut down to expand wheat production. Looking at the last five years, on average, approximately 10,000 ha is annually deforested. The Forest Authority is looking at reducing by 30% the deforested area by 2030.



Policies and Measures

- Sustainable solid waste management

The Ministry of Health adopted a regulatory framework to replace from 2020 to 2030 latrines and septic tanks with new pour-flush sanitation facilities connect to biodigester, for improving the water sanitation (contamination) and human health. The objective is to install 5 000 facilities serving 25 000 people in the capital area.



The information necessary to track the NDC:

Projected baseline in Gg CO₂ eq (1st BUR 2020)

Year	Energy	IPPU	AFOLU	Waste	Total Baseline
2010	3 155.8	1 559.4	115 425	305.9	120 446.1
2015	7 049.8	1 904.8	117 141	330.2	126 425.7
2020	5 281.4	2 387.7	121 223.2	403.4	129 295.8
2025	6 038.7	2 812.7	125 525.8	466.4	134 843.6
2030	6 904.7	3 313.2	129 981.2	536.9	140 736
2035	7895	3 902.9	134 594.7	614.2	147 006.8
2040	9 027.4	4 597.4	139 371.9	698.2	153 694.9
2045	10 322.4	5 415.6	144 318.7	788.6	160 845.3
2050	11 803.2	6 379.4	149 441.1	885.5	168 509.1



The information necessary to track the NDC:

Annual emissions per sector GgCO₂ eq (1st BUR 2020)

Year	Energy	IPPU	AFOLU Emissions	Waste	Total With AFOLU
1994	2 179.4	428.5	83 250.8	204.5	86 063.2
2000	1 743.5	1 086.9	99 183.8	222.5	102 236.8
2005	2 158.9	1 318.8	102 203.5	257.3	105 938.4
2010	3 155.8	1 559.4	115 583.6	305.9	120 604.7
2011	3 400.6	1 544.1	112 399.6	309.9	117 654.1
2012	6 796.9	1 641.8	113 022.2	314.6	121 775.6
2013	7 737.9	1 755.4	114 054.4	314.6	123 862.2
2014	7 737.9	1 609.8	115 374.9	319.6	125 042.2
2015	7 049.8	1 905.0	117 141.0	330.2	126 425.9
2016	6 443.7	2 091.4	117 887.5	335.8	126 758.5



FAO and the Enhanced transparency framework

www.fao.org/climate-change/our-work/what-we-do/transparency/

ETF@fao.org

Thank you !

This work is a joint effort with the
FAO-UNDP Scaling up Climate Ambition on Land Use and Agriculture
through Nationally Determined Contributions and National Adaptation Plans
(SCALA) programme

<https://www.fao.org/in-action/scala/overview/about/en>

