

THE MACEDONIAN THIRD BIENNIAL UPDATE REPORT ON CLIMATE CHANGE

FACILITATIVE SHARING OF VIEWS – REPUBLIC OF NORTH MACEDONIA

Sharm El-Sheikh, Egypt

11 November 2022



01 COUNTRY OWNERSHIP



Naser Nuredini, Minister
Ministry of Environment and Physical
Planning

“

The reporting and analysis in this BUR has been vitally important to the development of the Macedonian enhanced nationally determined contribution (NDC), which sets the ambitious unconditional target of a 82% net reduction in GHG emissions by 2030 relative to 1990 levels.

Building a resilient economy and society is our best defense against uncertainty in the world. Reports such as this BUR provide the information that we need for this task, and they can guide us towards a low-carbon future, the right path for North Macedonia and the right path for our shared planet.”



02 NATIONAL CIRCUMSTANCES



- **Institutional arrangements:**

- The Ministry of Environment and Physical Planning (MOEPP) leads the process for developing the BUR3, with financial and technical support from the Global Environmental Facility (GEF) and the United Nations Development Programme (UNDP).
- Other key ministries responsible for relevant climate change policymaking are: Ministry of Economy and the Office of the Deputy Prime Minister for Economic Affairs.
- Other relevant key stakeholders: Macedonian Academy of Sciences and Arts, Universities, State Statistical Office, private sector and civil society.

- **Domestic MRV** (within BUR3): analyzes legal and regulatory context related to UNFCCC and EU requirements, build on existing electronic systems for monitoring and reporting, developed Inventory schemes for detailed MRV processes and data flow in each inventory sector, and provides detailed recommendations for a national MRV system that will comply with UN and EU requirements;

- **Improvement in reporting on institutional arrangements and domestic MRV:** the TTE concluded that the Party has taken significant steps to establish institutional arrangements that enable sustainable preparation of its BURs, such as making organizational improvements and establishing knowledge-sharing procedures to facilitate sectoral information transfer; The TTE commends the Party for the clear and comprehensive reporting on its proactive approach to preparing for ETF implementation.

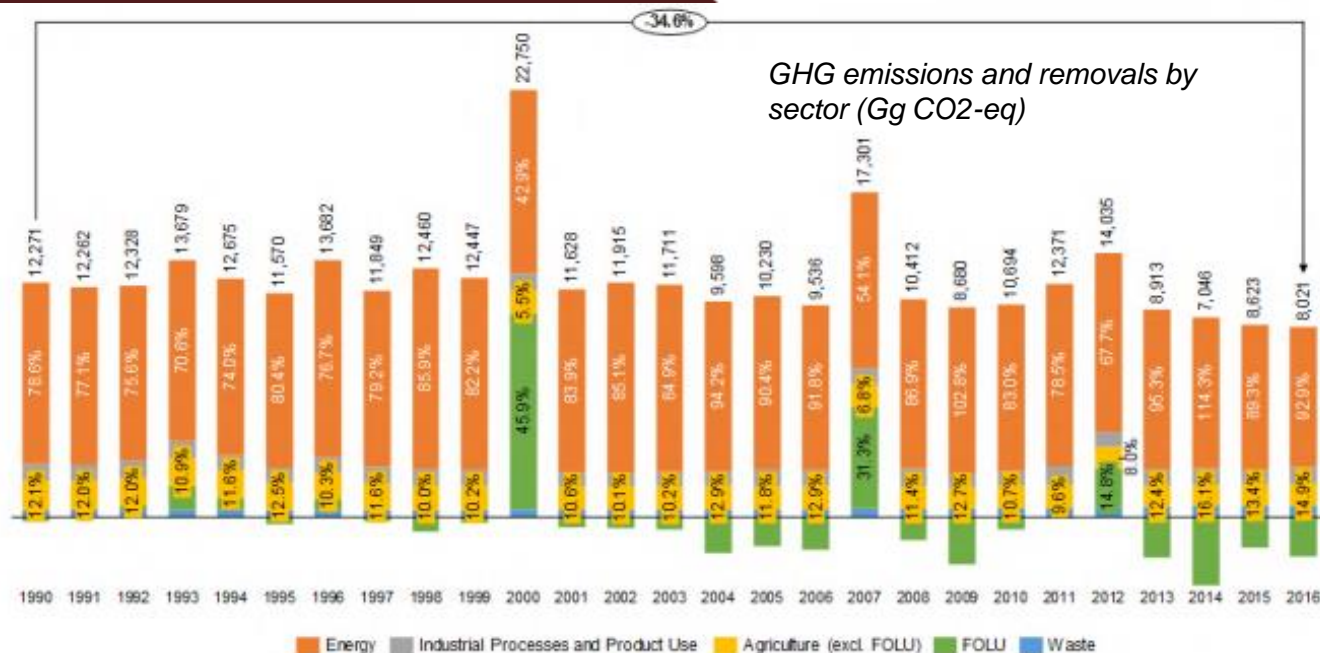


03 GREENHOUSE GAS INVENTORY



Improvements in Macedonian BUR3 inventory:

- **4 good practices** in all sectors introduced
 - QA/QC,
 - national guiding materials,
 - institutionalization of the development of the GHG inventory in the academia sector
 - national emission factors
- 20 improvements in all sectors introduced
- Gender Aspects of the Inventory Report included



Gas	1990	2000	2005	2014	2015	2016
CO ₂ (incl. FOLU)	9978.1	20697.0	8171.2	4825.0	6355.9	5641.0
CO ₂ (excl. FOLU)	10185.1	10255.6	9693.3	8422.3	7981.3	7731.1
CH ₄	1740.3	1571.1	1509.4	1563.3	1595.2	1588.3
N ₂ O	461.1	414.2	446.2	451.0	452.4	475.6
HFCs	0.0	4.8	102.8	206.6	219.1	315.7
PFCs	91.7	62.9	0.3	0.0	0.0	0.0
SF ₆	0.0	0.0	0.0	0.0	0.0	0.0
Total (incl. FOLU) - Net emissions	12271.2	22749.9	10230.0	7045.9	8622.6	8020.6
Total (excl. FOLU)	12478.2	12308.6	11752.1	10643.3	10247.9	10110.8

GHG emissions by gas (in t CO₂eq)



03 GREENHOUSE GAS INVENTORY



1 TBUR_EN - Word

Teodora Obradovik-Grcarovska

FILE HOME INSERT DESIGN PAGE LAYOUT REFERENCES MAILINGS REVIEW VIEW

Clipboard Font Paragraph Styles Editing

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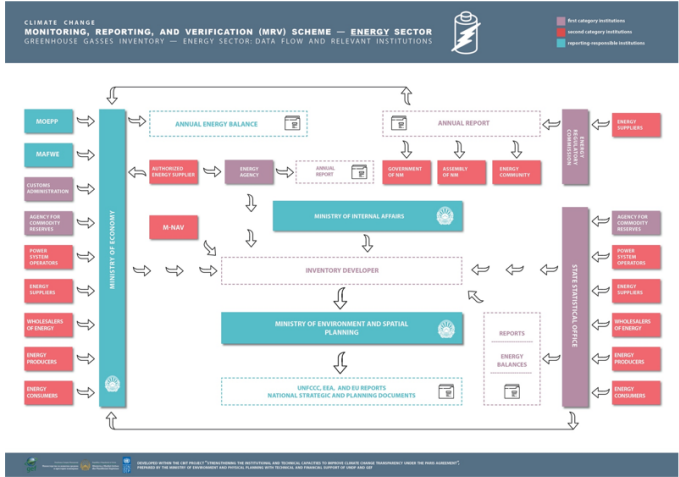


Figure 7-1: MRV Scheme – Energy Sector

04 CLIMATE CHANGE MITIGATION



32 measures in energy

11 measures in AFOLU

4 measures in waste

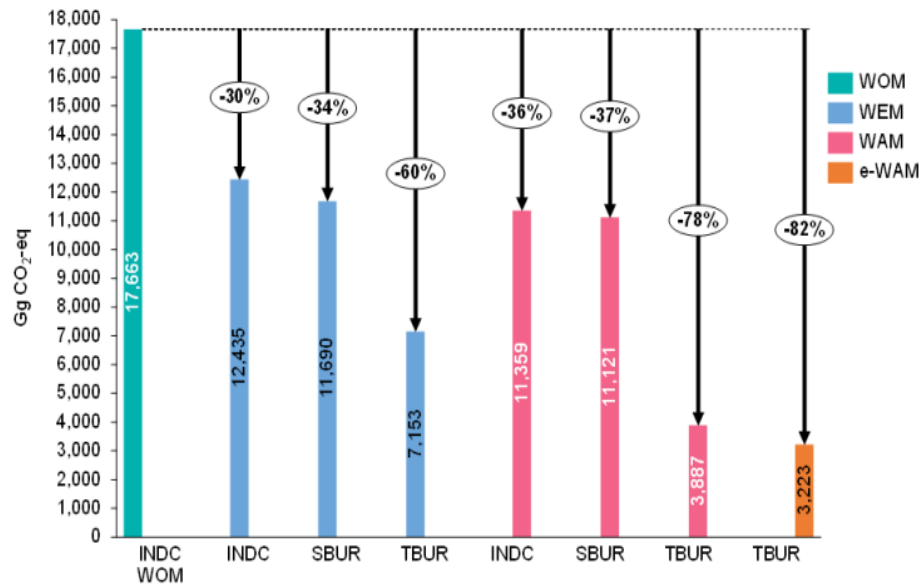
Mitigation actions: The BUR3 explores the impact of ongoing, planned, and potential measures through three scenarios:

- 1) The Business as Usual Scenario (a reference scenario With No (GHG reducing) Measures (WOM)
- 2) a scenario With Existing Measures (WEM);
- 3) a scenario With Additional Measures (WAM) and
- 4) a scenario with Extended Additional Measures or (e-WAM).

04 CLIMATE CHANGE MITIGATION ACTIONS



The highest reduction of the GHG emissions that can be reached in 2030 is 82% (or 68% with MEMO) compared to the 1990 level and it is accomplished by implementing the e-WAM (Climate Champion) Scenario



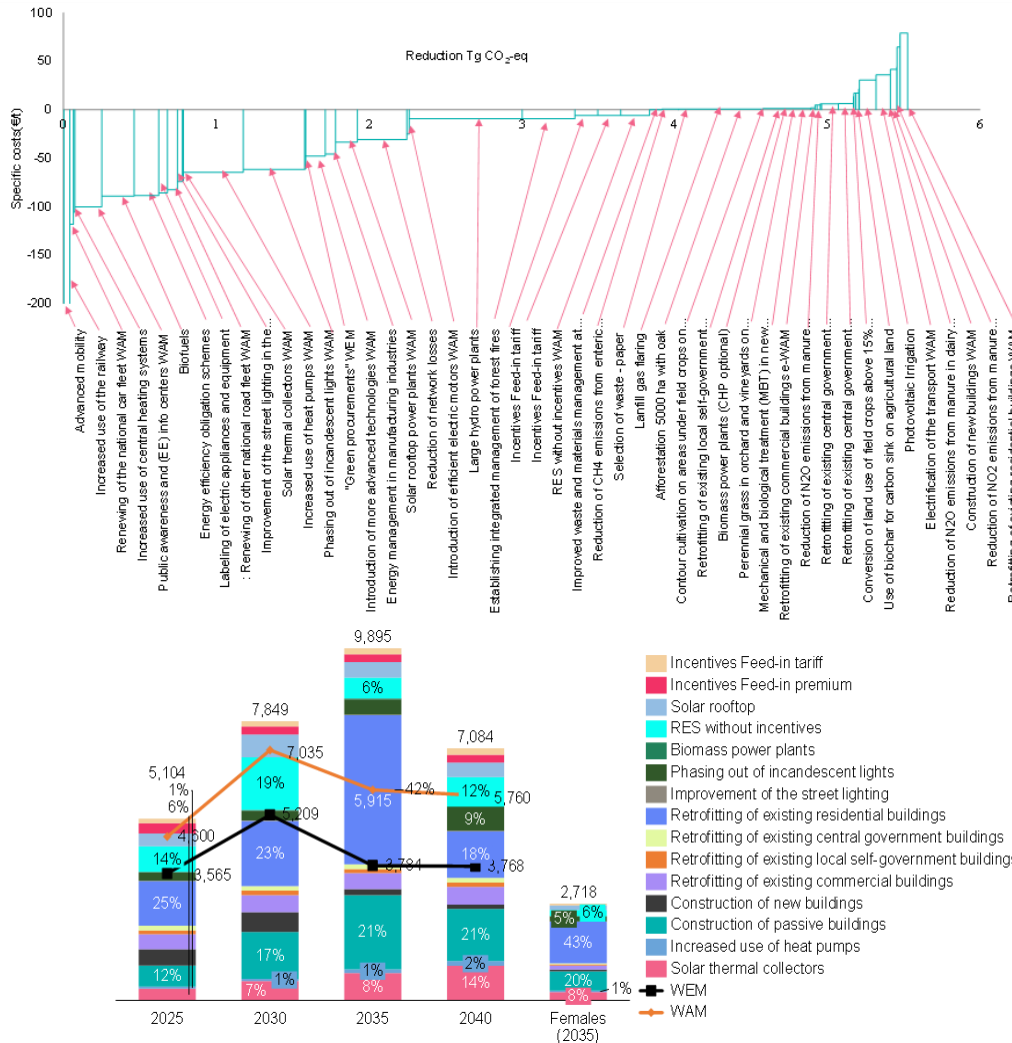
Improvements in reporting on mitigation actions and effects:

5 significant improvements have been implemented: new measures, indicators, improved monitoring and innovative mitigation actions.

Figure 7 Comparison of the Second BUR, INDC and Third BUR, Survival (WEM), Safe Way (WAM) and Climate Champion (e-WAM) scenarios from the Energy sector with the INDC Reference scenario or Business as Usual (WOM), 2030 (in Gg CO₂-eq)



04 CLIMATE CHANGE MITIGATION



- the total reduction from the proposed measures are estimated to around 5.6 Tg CO₂-eq,
- 70% can be achieved with a “win-win” policies and measures, which means that these measures are reducing the emissions by negative specific costs,
- additional 20% of the reductions are realized by measures with specific costs in a range from 0-5 €/t CO₂-eq.
- Additional benefits of the measures/policies are also analyzed in light of their **potential for job creation (green jobs)**.

05 SUPPORT RECEIVED AND NEEDED (finance, technology, capacity-building)



- In its BUR3, the Republic of North Macedonia clearly reported information on constraints and gaps, and related financial, technical and capacity-building needs in accordance with decision 2/CP.17, annex III, paragraphs 14 and 15. The TTE noted that the transparency of the information reported on needs and support received could be further enhanced by addressing the areas related to development and transfer of technology and technology support received (paragraphs 83 and 84), which could facilitate a better understanding of the information reported on needs and support received;
- The Party identified constraints related to the capacity of institutional, regulatory, legislative and human resources and financial constraints.
- The Party reported that its financial, technical and capacity-building needs are primarily in the area of optimizing the development of the reporting mechanisms at the institutional and national level.
- The Party identified technical and capacity-building needs, including the need to train government officials for conducting national GHG inventories and establish an expert technical group at the Macedonian Environmental Information Centre.
- Technical and Improvement in reporting on capacity constraints and support received and needed capacity-building needs related to financing mitigation actions include the need to design more accurate financial instruments.
- The following measures are recommended for a national MRV system that will comply with UN and EU requirements as well as reflect the Paris Agreement and the Macedonian NDC (which serves as its primary target under SDG13). These recommendations cover all three aspects of MRV in this context: 1) GHG inventories; 2) Mitigation policies and measures and emissions projections; and 3) Adaptation. Recommendation under 1 and 2 have been to great extent addressed within the CBIT project, adaptation related ones shall be addressed within the NAP.



06 ETF TRANSITION AND IMPLEMENTATION



- Long Term Strategy on Climate Action adopted;
- Law on Climate Action in adoption procedure;
- Most ambitious enhanced NDC in the region adopted; Strategy for financing and Roadmap for its implementation prepared, De-risking activities suggested;
- Significant capacity building activities implemented within the CBIT project;
- Energy and Climate Policies fully merged (national energy and climate plan adopted);
- NC4 under adoption;
- NAP under development;
- Support to develop BTR1 requested.



[Documents](#) > [Technical analysis of the third biennial update re...](#)

Technical analysis of the third biennial update report of North Macedonia submitted on 3 June 2021. Summary report by the team of technical experts

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Conclusions:

- The TTE concluded that the information analyzed in the Macedonian BUR3 is mostly transparent;
- The **TTE commends** the Republic of North Macedonia for using the most recent guidelines, for the clear and comprehensive reporting, for the information and level of detail provided in the NIR, for assessing the green jobs potential, and on its **proactive approach to preparing for ETF implementation**;
- The **TTE noted improvements** in the reporting in Macedonia's BUR3 compared with that in its previous BUR. The information reported demonstrates that the Party has taken into consideration the areas for enhancing the transparency of the information reported noted by the TTE in the summary report on the technical analysis of the second BUR. However, improvements are ongoing and the Party has taken note of outstanding areas for future improvements.
- North Macedonia, in consultation with the TTE, identified one need for capacity building to facilitate transition to the ETF listed in paragraph 89 and prioritized all the capacity-building needs referred to in paragraph 90.

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THANK YOU

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