



TERMS OF REFERENCE

Job title:	National data analyst to support Ministry of Infrastructure and Regional Development to develop the National Energy and Climate Plan
Duty station:	Chisinau, Republic of Moldova
Reference to the:	Programme “Addressing the impacts of energy crisis and initiating solutions toward energy security and addressing energy poverty” (FPI Programme)
Payment arrangements:	Lump sum contract (payments linked to satisfactory performance and delivery of outputs)
Contract type:	Individual Contract (IC)
Contract Duration:	34 working days during July 2022 – May 2023

1. PROJECT OBJECTIVES AND EXPECTED RESULTS

The overall objective of the Programme “Addressing the impacts of energy crisis and initiating solutions toward energy security and addressing energy poverty” (FPI Programme) is to assist the Government of Moldova to tackle the current energy crisis and energy poverty in addressing prioritized systemic elements in the energy sector to cope with potential future energy crisis.

Specific objectives are to support the Government of Moldova to:

1. put in place the legal and regulatory framework in the energy sector with mainstreamed social and climate considerations in line with the EU requirements;
2. strengthen the capacities of the energy-related actors and enhancing institutional coordination mechanisms to address and avert risks entailed in recent and potential future energy crisis;
3. increased awareness and communication among the population to adopt the best energy saving practices and measures and to encourage the use of renewables;
4. operationalize nation-wide energy programmes and demonstrate solutions to increase energy affordability in residential and public buildings, targeting specifically the most vulnerable and affected groups of population.

2. BACKGROUND

As a party to the UN Framework Convention on Climate Change (UNFCCC) and as a contracting party to the Energy Community Treaty (CEn), the Republic of Moldova assumed a series of commitments in the areas of climate and energy. Recent years' international developments, widely accepted by the expert community, decision-makers and civil society, lead towards a convergence of these two areas on the dimension of combating negative effects of climate change by cutting greenhouse gas emissions (GHG). Energy sector is the main source of GHG emissions in the Republic of Moldova, accounting for almost two thirds of direct net GHG emissions¹. Therefore, efficient coordination of all stakeholders participating in the process of drafting strategic documents is essential for assuring coherence of the national public policies frameworks on climate and energy.

On 18 November 2015, the European Commission adopted a Communication stating that integrated national energy and climate plans, addressing all five key dimensions of the energy union, are crucial tools for the implementation of the Energy Union Strategy and for the development of more strategic energy and climate policy planning.

In November 2018, the Energy Community Ministerial Council adopted the Recommendation 2018/01/EnC-MC, recognizing, that the development of integrated national energy and climate plans by the Contracting Parties would support the attainment of the long-term energy and climate policy objectives, reduce the administrative burden and enhance transparency while promoting investor certainty in the region.

The adoption of Governance Regulation 2018/1999 on 30 November 2021 marked the next step. Adopted and adapted by Decision 2021/14/MC-EnC, the Regulation sets common rules for planning, reporting and monitoring on energy and climate policies and targets. In particular, the Contracting Parties will be required to submit National Energy and Climate Plans (NECPs).

According to the article 3 of the consolidated Governance Regulation, by 30 June 2024, and subsequently by 1 January 2029 and every ten years thereafter, each Contracting Party shall notify to the Energy Community Secretariat an integrated national energy and climate plan. The integrated national energy and climate plan shall consist of the sections set out in paragraph 2 of the Article 3 and in Annex I of the Regulation. The first plan shall cover the period from 2025 to 2030, taking into account the longer term perspective. The subsequent plans shall cover the ten-year period immediately following the end of the period covered by the previous plan. NECP should lay down the pathway to achieve targets set for 2030 regarding the increase of renewable energy in overall energy consumption, increased energy efficiency and reduction of greenhouse gas emissions. Further, the NECPs should also include a perspective until 2050 in order to ensure consistency with long-term relevant policy objectives at EU, UNFCCC and Energy Community level.

Moldova has started to develop its NECP with the support of Project "Support for the modernization of the energy sector in the Republic of Moldova (STARS)" funded by the European Union. STARS supported the development of Energy Dimension's related components of the NECP, while the Decarbonisation Dimension (non-energy part) and Dimension of

¹ <http://clima.md/lib.php?l=ro&idc=264&>

Research, Innovation and Competitiveness were not covered and no particular activities were performed for the development of the last two mentioned Dimensions.

Currently, with the support of EU High Level Advisers Mission², the modelling exercise, that covers the Energy Dimension of the NECP, is ongoing.

The decision 1/CP.21 requests those Parties whose intended nationally determined contribution pursuant to decision 1/CP.20 contains a time frame up to 2030 to communicate or update by 2020 these contributions and to do so every five years thereafter pursuant to Article 4, paragraph 9, of the Paris Agreement.

Thus, Republic of Moldova presented, on March 2020, to the Secretariat of the UNFCCC its second Nationally Determined Contribution (NDC2)³. According to it, Republic of Moldova intends to achieve more ambitious GHG emissions reduction targets. The country's new economy-wide unconditional target is to reduce its greenhouse gas emissions by 70 per cent below its 1990 level in 2030, instead of 64-67 per cent as committed in NDC1. As to the new economy-wide conditional target, instead of 78 per cent as committed in NDC1, the reduction commitment expressed above could be increased in NDC2 up to 88 per cent below 1990 level, provided a global agreement addressing important topics including low-cost financial resources, technology transfer, and technical cooperation, accessible to all at a scale commensurate to the challenge of global climate change, is insured. The Republic of Moldova has included in its updated NDC the adaptation component in line with Articles 2.1 and 7.1 of the Paris Agreement and Katowice Rulebook (COP 24). According to it, the adaptation priority sectors are agriculture, water resources, forestry, human health, transport and energy.

Further, the Moldova's LEDS 2030 was updated. It transposes into national policy planning framework the GHG emissions reduction targets assumed via updated NDC under the Paris Agreement. Draft updated LEDS 2030 establishes GHG emissions reduction targets for 7 sectors. Among others, for energy sector, it plans a 81% (unconditional scenario) 87% (conditional scenario) reduction of GHG emissions comparing with 1990. Currently, draft updated LEDS 2030 is subject of SEA procedure. After SEA Report is approved, draft updated LEDS 2030 will be promoted for approval by Government.

During 2021 year, a study was conducted with the aim to ensure the coherence of the national climate and energy policy framework developed in the frame of Republic of Moldova's commitments under UNFCCC and Energy Community Treaty. The necessity of this study arises from the fact that the GHG emissions reduction targets for the Energy Sector, established under NDC2/updated LEDS 2030 and those calculated under the STARS project, could potentially be different. The study identified the causes and formulate the recommendations to overcome this situation. Energy Community Secretariat and European Commission recommend that targets under these planning documents need to be aligned.

² <https://eu-advisers.md/#:~:text=The%20overall%20objective%20of%20the,Deep%20and%20Comprehensive%20Free%20Trade>

³

https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/Republic%20of%20Moldova%20First/MD_Update_d_NDC_final_version_EN.pdf

In this context, UNDP Moldova is seeking to hire a national data analyst that will support Ministry of Infrastructure and Regional Development to develop the National Energy and Climate Plan.

3. SCOPE OF THE WORK, DUTIES AND RESPONSIBILITIES

The overall objective of the assignment is to support development of the National Energy and Climate Plan of the Republic of Moldova by collecting and providing relevant data to be used for the modelling exercise conducted for Decarbonisation part of NECP.

In order to reach the proposed objective, national data analyst is expected to perform the following tasks:

1. Collect available data on modelling result conducted up to date for Energy Dimension within different support projects (to be used for defining the Energy Dimension of the NECP).
2. Collect relevant data (e.g. GHG emissions inventories, waste/agriculture/LULUCF/industry related data) and contribute to the modelling exercise for Decarbonisation Dimension.
3. Provide inputs for development of the Concept of the policy document NECP and to the policy document itself.
4. Provide support for NECP consultation process.

4. EXPECTED DELIVERABLES AND TENTATIVE TIMEFRAME

The expected deliverables and schedules are provided in the table below as following:

Deliverables	Schedule
Deliverable 1. Activity Plan and Methodology for the assignment submitted and coordinated (<i>1 working day</i>).	By mid-July 2022
Deliverable 2. A report on data collected and provided to the the existing contractor/company for drafting/defining the Energy Dimension of the NECP and on contribution to conducting the modelling exercise for Decarbonisation Dimension (<i>up to 15 working days</i>)	By mid-October 2022
Deliverable 3. A report on contribution to the development of the Concept of the policy document NECP and to the policy document itself (<i>up to 10 working days</i>)	By mid-December 2022
Deliverable 4. A report on contribution to the public consultation of the draft policy document NECP and support provided to MIRD for its promotion for Governmental approval (<i>up to 8 working days</i>)	By mid-May 2023

5. INSTITUTIONAL ARRANGEMENTS

This is a part-time consultancy. The timeframe for the work is July 2022 – June 2023.

The national data analst will be given access to relevant information and data necessary for execution of the tasks under this assignment. The national data analyst will work in close

collaboration with the FPI Programme Manager and Team Leader for Component 1 - for substantive aspects of the assignment, and with the company contracted to conduct modelling and develop the narrative part of the draft NECP, as well as national policy consultant. The national data consultant will also closely cooperate with the Energy Department of the MoIRD and Air and Climate Change Policy Department from Ministry of Environment. The UNDP will provide the administrative and logistical support in organization the consultations.

6. FINANCIAL ARRANGEMENTS

The contract assignment will be for a fixed all-inclusive amount. Payments will be provided in three instalments. The first disbursement will account for 40% of the contract amount, upon the presentation of the deliverables 1-2, i.e. by end-October 2022. The second disbursement will account for 35% of the contract amount upon the presentation of the deliverable 3, i.e. by end-December 2022. The last disbursement will be issued upon submission and approval of Deliverable 4, and certification by the FPI Programme Manager that the services have been satisfactorily performed, i.e. by end-May 2023.

7. SKILLS AND EXPERIENCE REQUIRED

I.Education:

- Advanced degree (Master or Ph.D.) in energy, economy, statistics, environment management, climate change or other related fields is required.

II.Experience:

- At least 4 years of proven professional experience data analysing and/or conducting indicator/data based studies/reports;
- At least 5 years of working experience in the institutional consultancy.

III.Competencies:

- Excellent knowledge of the national monitoring and reporting system under the UNFCCC and Moldova's reports within this system;
- Excellent knowledge of national energy statistical data/reports;
- Knowledge of modelling tools and their application would be an asset;
- Strong analytical and report-writing skills demonstrated by previous assignments;
- Strong interpersonal and communication skills, ability to work with Government representatives, demonstrated by previous assignments;
- Ability to work under pressure, and to meet tight deadlines demonstrated by previous assignments;
- Fluency in Romanian and good working knowledge of English. Knowledge of Russian would be an asset.

The UNDP Moldova is committed to the workforce diversity. Women, persons with disabilities, Roma and other ethnic or religious minorities, persons living with HIV, as well as refugees and other non-citizens legally entitled to work in the Republic of Moldova, are particularly encouraged to apply.

8. PERFORMANCE EVALUATION

Contractors' performance will be evaluated against timeliness, responsibility, initiative, creativity, communication, accuracy, and overall quality of the delivered products.

9. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSALS

Interested individual consultants must submit the following documents/information to demonstrate their qualifications:

1. Proposal, explaining why he/she is most suitable for the work, including past experience in similar assignments, providing a brief information on above qualifications and methodology on how he/she will approach and conduct the work (if applicable).
2. [OFFEROR'S LETTER TO UNDP CONFIRMING INTEREST AND AVAILABILITY FOR THE INDIVIDUAL CONTRACTOR \(IC\) ASSIGNMENT](#)
3. CV with at least three names for a reference check.