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"Status Quo in Energy Statistics and Energy Planning"

Republic of Moldova

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BUILDING PARTNERSHIPS FOR ENERGY SECURITY

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Agenda

1. Sectoral and integrated energy strategies in place or under development
2. Legal or institutional framework for energy planning
3. Stakeholders involvement
4. Use of energy statistics and energy models for energy planning
5. Main issues / challenges faced

1. Sectoral and integrated energy strategies in place or under development

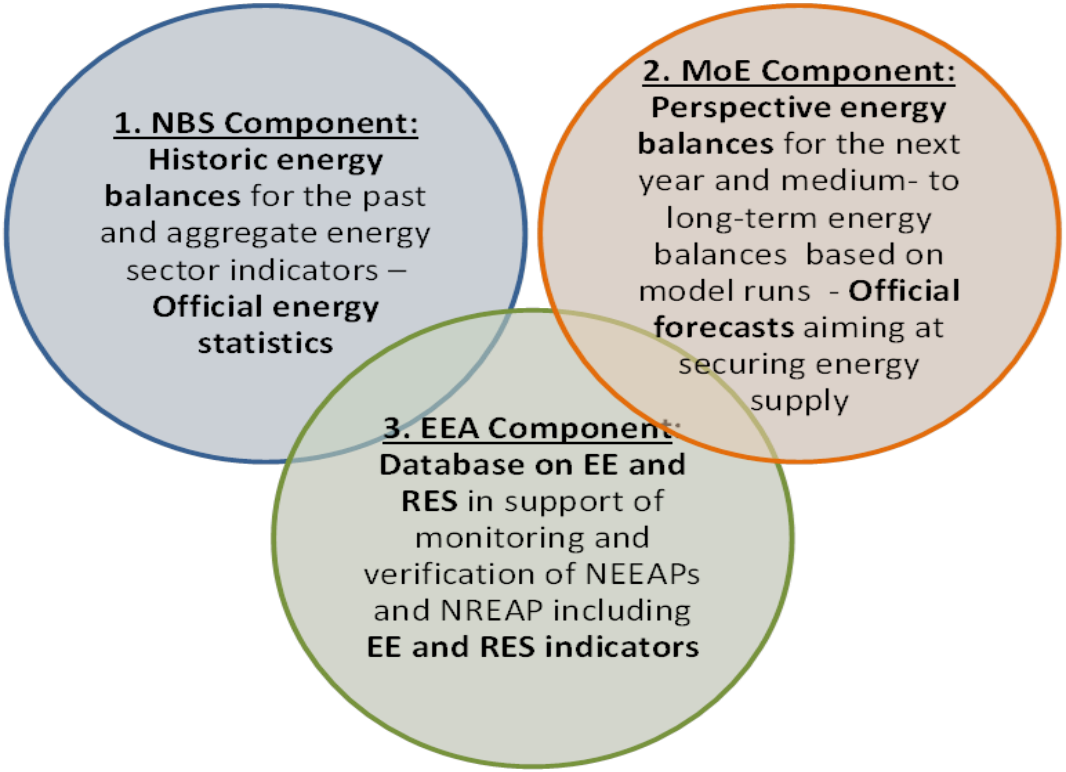
- **National Development Strategy "Moldova 2020"**: priority: Energy supplied surely, used efficiently (Law no. 166 of July 11th 2012)
- **Energy Strategy till 2030** (GD no.102 of February 5th 2013)
- **Road Maps for the energy sector till 2030** (electricity and natural gas) (approved by the Government on June 16th 2015)
- **National Program for energy efficiency 2011-2020** (GD no. 833 of November 10th 2011)
- **National Action Plan on Energy Efficiency 2013-2015** (GD no. 113 of February 7th 2013)
- **National Renewable Energy Action Plan till 2020** (GD no. 1073 of December 27th 2013)
- **National Action Plan on Energy Efficiency 2016-2018** (under development) etc.

2. Legal or institutional framework for energy planning and energy policy formulation

- **Normative framework:** On February 24th 2014 the Moldovan Government has adopted the Government Decision on the creation of Energy Statistics System, containing the provisions related to the energy planning.
- **Energy policy formulation process:** In the development of strategic documents and policies the Ministry of Economy always uses the effective energy statistics data, since without an analysis of the current situation and assessment of the dynamics and structure of the statistical data is not possible to formulate goals and specific objectives for the energy sector.
- **Energy planning:** The development of the first prospective Energy balance (EB) for 2015 year was finalized by the Ministry of Economy, jointly with the EU funded TA-ESS project and Power Engineering Institute/ASM, in January 2015.
- Actually, the draft GD on the prospective Energy balance for 2015 is under final coordination and approval at the Government.
- A special methodology on short-term EB in this sense was developed in 2014.
- A Road Map regarding the development of a long-term prospective energy balance in the RoM was elaborated in the beginning of 2015.

- **Recommendations for improving energy policy formulation process**: Development of a concrete methodology for the development of a long-term prospective energy balance and donors' support in the development of the first EB for a long term!!!

3. Stakeholders involvement



In February 2013 the Ministry of Economy has established the **Working Group on 'energy statistics'** and, thus, has improved the communication among the relevant bodies.

In the Republic of Moldova there are several **donors and organizations**, which are supporting the improvement of energy statistics, namely: INOGATE, Energy Community Secretariat, USAID etc.

4. Use of energy statistics and energy models for energy planning

- **Energy statistics***:* the following energy statistics are used in the energy planning process : energy balances, data provided by energy companies, EE indicators etc.

- Significant progress achieved in 2014-2015 by NBS in the field of energy statistics:
  - Methodology concerning the energy statistics and energy prices was approved by the NBS in December 2014 according to EU acquis [*Commission Regulation (EU) No 147/2013 of 13 February 2013 and Directive 2008/92/EC of 22 October 2008*].
  - Compliance with international Energy Balance format (EUROSTAT, IEA)
  - Reporting of energy data to EUROSTAT and IEA (5 questionnaires)
  - Implementation of monthly energy data collection beginning with January 1st 2015
  - Implementation of half-yearly price data collection beginning with January 1st 2015 etc.

- **Energy models:** In 2011-2012 the Power Engineering Institute/ASM with the USAID support has used *MARKAL-TIMES model* for the energy planning in the RoM. The results of this model were applied in 2012 in the process of development of the Energy Strategy till 2030.
- In 2016 the development of a long-term prospective energy balance based on *LEAP model* is planned to be carried out.

5. Main issues / challenges faced

1. The NBS' IT system for Energy Statistics is an old MS DOS based application which is totally inflexible since it does not allow the addition of new questions to existing questionnaires or the creation of new questionnaires without heavy programming and coding.

As a result, the development of a new IT system for the Energy Statistics department – and its financing - remains a pre-requisite for the successful and timely implementation of additional field surveys as well as a direct reporting in the EUROSTAT and IEA formats.

2. The insufficient institutional as well as personnel capacities available in core ESS stakeholders' institutions (NBS, MoE and EEA), which asks for specialisation and recruitment of new personnel required for energy statistics and planning etc.

3. The inherited practice in energy system, which asks for amended and new methodologies, procedures and reporting lines in line with EUROSTAT and IEA requirements.

Спасибо!
Thank you!

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INOGATE Technical Secretariat and Integrated Programme in support of the Baku Initiative and the Eastern Partnership energy objectives