Status and Challenges with Monitoring National GHG Emissions in Ukraine

Olga Yukhymchuk
International Cooperation Unit
Department of International Cooperation, JI and GHG Inventory
State Environmental Investment Agency of Ukraine
Background Information


Ukraine is an **Annex 1 Party** of the UNFCCC with **economy in transition**.

Under Article 4 and 12 of UNFCCC Ukraine has an obligation to develop, periodically update, publish and provide to UNFCCC Secretariat national inventories of anthropogenic emissions by sources and removals by sinks of all GHG not controlled by Montreal Protocol.

Ukraine has stated **76 % QELRO** in the second commitment period of the Kyoto Protocol during COP18/CMP8 in December 2012 in Doha, Qatar.
Share of the sector in overall GHG emissions according to National GHG Inventory, submission of 2014

- Energy, 308226.02 thousands tons of CO2-eqv.
- Industrial processes, 45217.8 thousands tons of CO2-eqv.
- Use of solvents and other products, 176.44 thousands tons of CO2-eqv.
- Agroculture, 36033.19 thousands tons of CO2-eqv.
- Waste, 11366.02 thousands tons of CO2-eqv.
Information Ukraine submits in accordance with Article 7.1 of the Kyoto Protocol

- on emissions and removals amounts for the reservoirs of forest ecosystems as a result of LULUCF activities;
- on holdings (ERUs, AAUs and RMUs);
- on changes in the national system;
- on changes in the national registry;
- on minimization of the negative impacts.
National GHG Inventory System (NIS)

According to UNFCCC and KP requirements in Ukraine was created the National System for estimating anthropogenic emissions by sources and removals by sinks of GHG not regulated by Montreal Protocol on Substances that Deplete the Ozone Layer (NIS).

CMU resolution № 554 dated April 21, 2006 determines operation of NIS, according to which:

**NIS is a system of organizational and technical measures for monitoring, collecting, processing, transmission and storage of information required for the estimation of anthropogenic emissions and removals of GHG**
GENERAL STRUCTURE OF NATIONAL GHG INVENTORY SYSTEM IN UKRAINE

Ministry of Ecology and Natural Resources of Ukraine
- proposals for amendments to the legislation;
- development of strategy on mitigation and GHG emissions reduction within general ecological strategy of the country;
- improvement of National GHG Inventory System.

State Environmental Investment Agency of Ukraine
ensures functioning of National GHG Inventory System:
• planning;
• organization of GHG Inventory preparation;
• collection of reporting data;
• archival storage of information;
• organization researches and studies;
• administration of registry;
• ensuring and controlling quality and allocation of draft GHG Inventory on the website;
• submission of GHG Inventory to the UNFCCC Secretariat.

Inter-institutional Commission on ensuring implementation of United Nations Convention on Climate Change

National Center of GHG Emissions Inventory executor of work on GHG Inventory preparation

State agencies
(sectoral and regional)

State and commercial corporations

State and commercial enterprises

Research and Development Institutes

Private scientific and technical companies

Independent experts

Sources of data on GHG emissions and absorption

Co-executors of work on GHG Inventory preparation

www.seia.gov.ua
The Ukraine – EU Association has been signed June 27, 2014 and states that cooperation on environment protection issues shall cover climate change issues and defines necessity to adopt Ukrainian legislation to EU standards and policies in environment protection field.

The Ukraine – EU Association requires Ukraine to:

- implement Kyoto Protocol to UNFCCC, including all compliance criteria for complete realization of Kyoto mechanisms;
- develop Action Plan for long-term perspective on mitigation and adaptation to climate change issues;
- develop and implement long-term actions aimed at reduction of GHG emissions.

- Existing legislation and regulatory framework and implementation mechanisms require to be adopted in compliance with EU legislation and standards of monitoring GHG emissions for, as well as address the best international practices and standards.
CHALLENGES WITH NIS IN UKRAINE

Suppliers of data for GHG inventory from 1990 to 2012 by sectors

- Energy: 178
- Industrial processes: 20
- Use of solvents and other products: 76
- Agriculture: 37
- Landuse, changes in landuse and forestry: 60
- Waste: 1

- Legal and regulatory framework of NIS has to be adopted to changes related to administrative reforms in Ukraine;
- Interagency cooperation in gathering and providing data on GHG emissions requires further improvement;
- Institutional and human resource capacity requires improvement in accordance with up-to-date requirements.
CHALLENGES WITH NIS IN UKRAINE

Non-estimated categories by sectors of National GHG Inventory, submission of 2014

- Industrial processes
- Use of solvents and other products
- Agriculture
- Waste
- Energy

Dynamics of changes in the amount of non-estimated categories in the National GHG Inventory, units

- 2006
- 2011
- 2014

- Methodological base, internal processes and technical equipping of NIS require further development and improvement;
- Lack of analytical researches on monitoring GHG emissions, including due to lack of financing for such researches.

www.seia.gov.ua
CHALLENGES WITH NIS IN UKRAINE

- controversial understanding of responsibilities allocation
- lack of systematic management processes of NIS, especially the processes of National Inventory preparation

Organizational issues arise, causing difficulties with National GHG Inventory System

- low level of administrative responsibility
- gap in strategic and tactical management
I. Ensure efficient cooperation among state institutions, agencies and other organizations in collection of data for estimation of GHG emissions on the territory of Ukraine:

- development of contractual relationship among institutions
- increase the priority level of GHG emissions inventory
- optimization of the cooperation process for timely receipt of information
- improvement of collaboration among involved organizations in the GHG inventory preparation process

www.seia.gov.ua
FURTHER STEPS TO OVERCOME CHALLENGES:

II. Improvement of the National GHG Inventory System on the territory of Ukraine:

- Harmonization and adaptation of existing legislation and regulatory framework in compliance with EU standards
- Development, implementation and improvement of methodological base for NIS to achieve reliable and trustworthy data
- Adaptation of international experience on data collection methods and use of advance technology
- Increase the level of analytical researches on reduction / absorption of GHG emissions inventory
- Ensure regional approach in preparation of GHG emissions inventory
- Improvement of analytical analysis after completion of GHG emissions inventory
III. Strengthening the role of the State Environmental Investment Agency of Ukraine in the functioning of the National GHG Inventory System:

- development, introduction and implementation of reporting formats by the SEIA for the state entities, institutions, enterprises and other involved organizations
- reinforcement of administrative responsibility for state entities, institutions, enterprises and other involved organizations in the reporting preparation process
- provision of more authority to the SEIA and the IIC on ensuring implementation of UNFCCC
- improvement and systematization of the management process for NIS
Thank you for your attention!

Olga Yukhymchuk
+38-044-594-91-28
+38-050-339-30-40
E-mail:
olga.yukhymchuk@gmail.com
yukhymchuk@seia.gov.ua

The State Environmental Investment Agency of Ukraine
Kyiv 03035, 35 Mytropolyta V. Lypkivskogo str.
Tel +380 44 594-91-11, Fax +380 44 594-91-15
Web: www.seia.gov.ua Mail: nfp@seia.gov.ua