

## **Introduction of GHG data information system in Korea**

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### **Abstract**

Framework Act and its Enforcement Decree on Low Carbon and Green Growth are the foundation of Korea's movement towards sustainable development. According to them, Korea established the institutional arrangements, including GIR as an organization for overall statistics management, and developed the Measurement, Report and Verification (MRV) process.

Roughly speaking, Korean MRV process starts from the revision of MRV Guidelines every year, and they are distributed to sectoral agencies to estimate emissions/removals. After reviews from their responsible ministries, statistics, draft NIR, and other relevant materials are submitted to GIR by June. Then GIR verifies all the information thoroughly and asks for modifications or supplementary explanations. Finally, annual GHG inventory is confirmed by December through deliberation from the national GHG Management Committee.

There are more than fifteen responsible ministries and agencies involved in this MRV process. Furthermore, a lot of data are produced and compiled up each year. As the need arose to manage and archive a large amount of complicated data systematically, GIR established a platform called National GHG Inventory Report System (NIRS) in 2013.

Through NIRS, sectoral agencies submit draft CRF, NIR, QA/QC report, and other materials used for estimating GHG emissions, and all of them are archived in it. In addition, questions and opinions from GIR and subsequent responses from agencies during a period of verification are exchanged and archived in NIRS. As a result of verification, final CRF, simple figures and tables that represent emission trends are produced for preparing NIR.

Currently, these are the main use of NIRS; to submit statistics, exchange opinions in the verification process, and produce results. However, there has been an ongoing project to improve its performance particularly in terms of producing more accurate and elaborate statistics results. In doing so, GIR expects this system to enhance the accuracy and transparency of Korea's national GHG Inventory.

### **References**

Framework Act and Enforcement Decree on Low Carbon and Green Growth

### **Access to relevant information**

[www.law.go.kr](http://www.law.go.kr)>english