

GHG INVENTORY SYSTEM IN TURKEY

Aynur TOKEL
TurkStat

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Montenegro

Background

- The United Nations Framework Convention on Climate Change (UNFCCC) was ratified by Turkey – May 2004
- The Kyoto Protocol was ratified by Turkey – August 2009 (without an emission reduction targets)
- Turkey submitted its first national inventory report and CRF tables for 1990-2004 period in 2006.

National Inventory System

Based on COP Decision 24/CP.19;

National Inventory System Design & Implementation Requirements:

- a) Ensure transparency, consistency, comparability, completeness and accuracy (TACCC) of NI
- b) Ensure quality of NI throughout the planning, preparation and management activities
- c) Establish the institutional, legal and procedural arrangements between Government Agencies and other Entities involved
- d) Ensure sufficient capacities and technical expertise to develop the NI in a timely manner
- e) Designate a single entity with the overall responsibility for the NI
- f) Prepare a timely annual NI and report consistently with COP relevant Decisions
- g) Official approval of GHG Inventory
- h) NI submitted to UNFCCC Secretariat by April 15th

National Inventory System

Institutional arrangements;

- The Turkish Statistical Institute (TurkStat) is the responsible agency for compiling the National Greenhouse Gases Inventory and submitting it to the UNFCCC Secretariat.

Legal Base:

Climate Change and Air Management Coordination Board established in 2001 as Climate Change Coordination Board and restructured in 2014 as Climate Change and Air Management Coordination Board (CCAMCB)

- ☐ CCAMCB Decision on the setting up of technical working groups and defining the coordinator institutions of working groups
 - ☐ Greenhouse Gas Emission Inventories working group: Turkish Statistical Institute (TurkStat) responsible from coordination of the WG.
- ☐ The Official Statistics Program (OSP), based on the Statistics Law of Turkey No: 5429,

National Inventory System

TurkStat is designated as the single national entity by CCCB Decision in 2009.

QA/QC plan is approved by CCAMCB in 2014

Defines;

- ☐ NIS, roles and responsibilities
- ☐ QC activities
- ☐ Documentation, archiving system

National Inventory System

Institutional arrangements;

The institutions involved in GHG Inventory

- Turkish Statistical Institute (TurkStat),
- Ministry of Energy and Natural Resources (MENR)
- Ministry of Transport, Maritime Affairs and Communications (MTMAC),
- Ministry of Environment and Urbanization (MoEU),
- Ministry of Food, Agriculture and Livestock (MFAL),
- Ministry of Forestry and Water Affairs (MFWA),

National Inventory System

Sector	CRF category	Collection of activity data	Selection of methods and Efs	Calculations
Energy	Energy – 1 (Excluding 1.A.1.a- Electricity and heat generation and 1.A.3-Transport)	MENR TurkStat	TurkStat	TurkStat
	Electricity and heat generation - 1.A.1.a	MENR	MENR	MENR
	Transport	MENR MoTMAC	MoTMAC	MoTMAC
IPPU	Industrial activities - 2 (except F gases)	TurkStat	TurkStat	TurkStat
	F gases	MoEU	MoEU	MoEU
Agriculture	Agriculture – 3	TurkStat	TurkStat	TurkStat
LULUCF	Forestry	MoFWA	MoFWA	MoFWA
	Other Land Use	MoFAL	MoFAL	MoFAL
Waste	Waste – 5	TurkStat	TurkStat	TurkStat
Cross Cutting Issues	Key Category Assessment	TurkStat	TurkStat	TurkStat
	Uncertainty Assessment	TurkStat	TurkStat	TurkStat

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National Inventory System

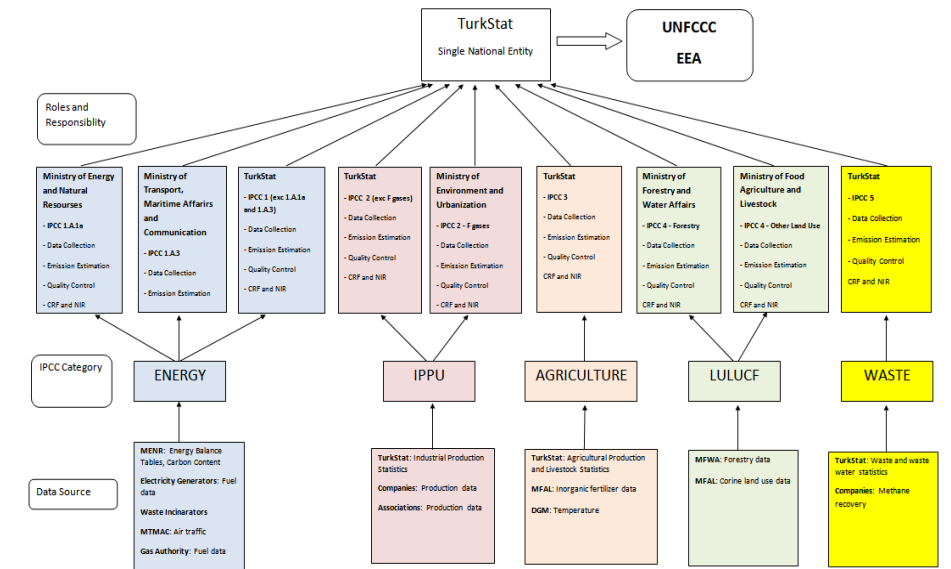
GHG Emission Estimations

2006 IPCC Guidelines are used since 2015.

Based on the data availability Tier 1 ,Tier 2 , Tier 3 are used

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Data Supply

TurkStat has strong power for data collection based on Statistical law.

Involved institutions could access the available data required for the estimation.

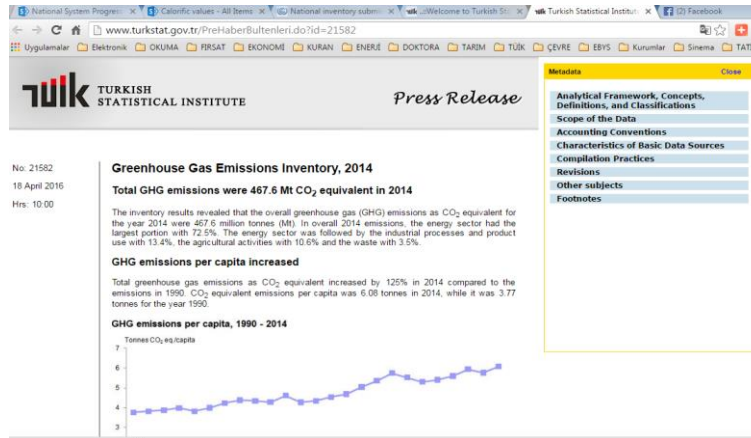
However no legal documents regulating data exchange or data flow between the institutions on a scheduled manner

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National Inventory System

Summary results GHG Inventory are publicly available on TurkStat web page.



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Future Activities for Improvement

- Adoption of a comprehensive legislative framework for establishing the NIS
- Introduce NI approval procedure;
- Ensure systematic trainings for NI staff;
- Improve documentation and archiving system
- Fully implementation of QA/QC Plan
 - QA by international reviewers.

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Thank you for your attention