

# Overview of National System

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## Legal arrangements

- Legislation
  - Law on Environmental Protection,
  - Law on Air Protection,
  - Climate Change Strategy (CCS) 2014-2024 (MESP)
  
- Administrative instruction on NIS
- Administrative instruction on GHG emission monitoring



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# Institutional Arrangements

- Ministry of Environment
- KEPA
- Agency of Statistics
- Customs
- Ministries of Lines
- Private operators



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# The recent news

- National Climate Change Council Established

Chair – Minister of Environment

Members, Ministers of:

- Economical development
- Agriculture Forestry and Rural Development
- Infrastructure
- Trade and Industry
- EU integration
- Local Government Administrations

Secretariat

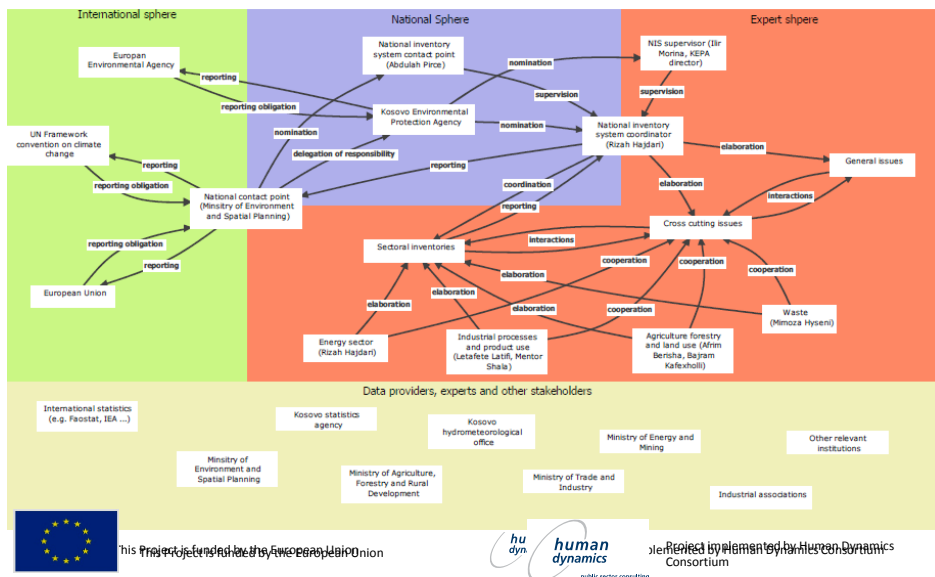


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## Proposed NIS Structure



## GHG Inventory Progress

- **Years 2008 -2009**
  - Experts from Charles University, Czech Republic, Under the project “Transfer of Czech Experience: Developing Kosovo Greenhouse Gas (GHG) Inventory Management System”. (Supported by UNDP)
  - During the process National expert were trained and relevant data collected
- **Year 2012**
  - From KEPA under the “Transfer of Czech Knowledge: Activating Kosovo Greenhouse Gas (GHG) Monitoring System.” (Supported by UNDP),
  - National Experts- Assessment, collected data, calculation, NIR, with supervising from Czech Expert.
- **Year 2010, 2011, 2013**
  - KEPA experts ...



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# IPCC 2006 used

Inventory Software - kosovo - [Worksheets]

Application Database Inventory Year Worksheets Reports Tools Export/Import Administrative Window Help

CC Categories

Combustion Activities  
- Energy Industries  
- 1.A.1.a.i - Electricity Generation  
- 1.A.1.a.ii - Combined Heat and  
- 1.A.1.a.iii - Heat Plants  
- 1.A.1.b - Petroleum Refining  
- 1.A.1.c - Manufacture of Solid Fuel  
- 1.A.1.c.i - Manufacture of Solid  
- 1.A.1.c.ii - Other Energy Industr  
- Manufacturing Industries and C  
- 1.A.2.a - Iron and Steel  
- 1.A.2.b - Non-Ferrous Metals  
- 1.A.2.c - Chemicals  
- 1.A.2.d - Pulp, Paper and Print  
- 1.A.2.e - Food Processing, Bevera  
- 1.A.2.f - Non-Metallic Minerals  
- 1.A.2.g - Transport Equipment  
- 1.A.2.h - Machinery  
- 1.A.2.i - Mining (excluding fuels) an  
- 1.A.2.j - Wood and wood products  
- 1.A.2.k - Construction  
- 1.A.2.l - Textile and Leather  
- 1.A.2.m - Non-specified Industry  
- Transport

Fuel Combustion Activities

Worksheet

Sector: Energy  
Category: Fuel Combustion Activities  
Subcategory: 1.A.1.a.i - Electricity Generation  
Sheet: CO2, CH4 and N2O from fuel combustion by source categories - Tier 1

Data

Fuel Type (All fuels)

(All fuels)	Energy Consumption			CO2		CH4	
Fuel	A Consumption (Mass, Volume or Energy Unit)	B Conversion Factor (TJ/Unit) (NCV)	C Consumption (TJ) (G=AB)	D CO2 Emission Factor (kg CO2/TJ)	E CO2 Emissions (Gg CO2) E=CD/10 <sup>6</sup>	F CH4 Emission Factor (kg CH4/TJ)	G CH4 Emissions (Gg CH4) G=F/10 <sup>6</sup>
Lignite	61107.11	TJ	61107.11	101000	6171.818	1	0.063
Residual Fuel..	64.29	TJ	64.29	77400	4.97605	3	0.000
Gas/Diesel Oil	74.96	TJ	74.96	74100	5.55454	3	0.000
*		Gg					
Total			61246.36		6182.34869		

Worksheet remarks

1.A.1.a.i - Time Series

Emissions (Gg CO2 E)

## Key category analysis

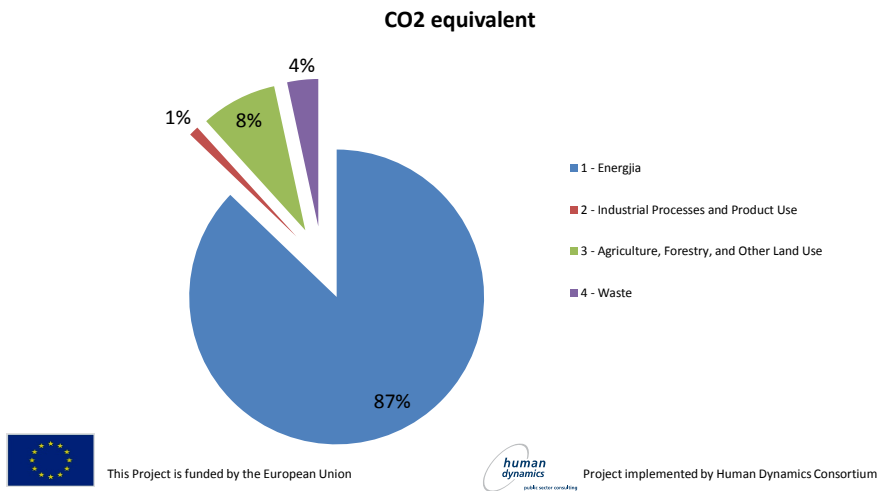
IPCC Category code	IPCC Category	Greenhouse gas	2012 Ex.t (Gg CO2 Eq)
1.A.1	Energy Industries - Solid Fuels	CARBON DIOXIDE (CO2)	6171.82
1.A.3.b	Road Transportation	CARBON DIOXIDE (CO2)	996.94
3.A.1	Enteric Fermentation	METHANE (CH4)	494.95
1.A.2	Manufacturing Industries and Construction - Liquid Fuels	CARBON DIOXIDE (CO2)	365.43
1.A.4	Other Sectors - Liquid Fuels	CARBON DIOXIDE (CO2)	256.50
4.A	Solid Waste Disposal	METHANE (CH4)	226.89
1.A.2	Manufacturing Industries and Construction - Solid Fuels	CARBON DIOXIDE (CO2)	202.04
3.B.1.a	Forest land Remaining Forest land	CARBON DIOXIDE (CO2)	-39.21
2.A.1	Cement production	CARBON DIOXIDE (CO2)	83.99
1.A.4	Other Sectors - Solid Fuels	CARBON DIOXIDE (CO2)	79.51
3.C.4	Direct N2O Emissions from managed soils	NITROUS OXIDE (N2O)	78.99
3.C.5	Indirect N2O Emissions from managed soils	NITROUS OXIDE (N2O)	75.19
3.C.3	Urea application	CARBON DIOXIDE (CO2)	68.84
Total			9526.74

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# Summary



## Good and weak

- Good:

Core team created.

Skills on data sources identification, data collection, understanding the IPCC 2006 guidelines; calculations using IPCC 2006 software,

Weak:

NIS not yet formally established, maintain consistency of work, CRF, external expertise

# Needs

- Consolidate / Strengthen the NIS
- Improve involvement and commitment of other institutions - spreading / collecting the knowledge across the institutions/organizations
- Increase the capacities on calculations estimations (higher tiers, uncertainty assessment)
- Develop QA / QC plans
- Mostly software based (IPCC 2006) Use of other tools, CRF
- Historical data & Define the base year



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- THANK YOU!!!



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