

# Executive Summary

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## 1 - Introduction

- Chapter 1: Introduction
  - 1.1 National Inventory Background
  - 1.2 Institutional Arrangements
  - 1.3 Inventory Preparation Process
  - 1.4 Methods & Data Sources
  - 1.5 Key Categories
  - 1.6 QA/QC & Verification methods
  - 1.7 General Uncertainty Evaluation
  - 1.8 General Assessment of Completeness

## 2 - Explanation of Key Trends

- Chapter 2: Explanation of Key Trends
  - Nitrogen Oxide (NO<sub>x</sub>)
  - Sulfur dioxide (SO<sub>2</sub>)
  - Non-Methane Volatile Organic Compounds (NMVOC)
  - Ammonia (NH<sub>3</sub>)
  - Carbon Monoxide (CO)
  - Total suspended particulate matter (TSP)
  - Fine Particulate Matter (PM<sub>10</sub>)
  - Fine Particulate Matter (PM<sub>2.5</sub>)
  - Black Carbon (BC)
  - Persistent Organic Pollutants (POP)
  - Heavy Metals (HM)

## 3 - Energy (NFR 1)

- Chapter 3: Energy (NFR 1)
- 1.A Fuel Combustion Activities
  - 1.A.1 Energy Industries
  - 1.A.2 Fuel Combustion Activities in Industries and Construction
  - 1.A.3 Transport
  - 1.A.4 Small Combustion
  - 1.A.5 Other (including Military)
- 1.B Fugitive Emissions
  - 1.B.1 Solid Fuels
  - 1.B.2.a Oil
  - 1.B.2.b Natural Gas
  - 1.B.2.c Flaring
  - 1.B.3 Geothermal Energy

## 4 - Industrial Processes & Product Use (NFR 2)

- Chapter 4: Industrial Processes & Product Use (NFR 2)
- 2.A Mineral Industry
  - 2.A.1 Cement Production

- 2.A.2 Lime Production
- 2.A.3 Glass Production
- 2.A.5.a Quarrying and Mining of Minerals other than Coal
- 2.A.5.b Construction and Demolition
- 2.A.5.c Storage, Handling and Transport of Mineral Products
- 2.A.6 Other Mineral Products
- 2.B Chemical Industry
  - 2.B.1 Ammonia Production
  - 2.B.2 Nitric Acid Production
  - 2.B.3 Adipic Acid Production
  - 2.B.5 Carbide Production
  - 2.B.6 Titanium Dioxide Production
  - 2.B.7 Soda Ash Production
  - 2.B.10.a Other
  - 2.B.10.b Storage, Handling and Transport of Chemical Products
- 2.C Metal Production
  - 2.C.1 Iron and Steel Production
  - 2.C.2 Ferroalloys Production
  - 2.C.3 Aluminum Production
  - 2.C.4 Magnesium Production
  - 2.C.5 Lead Production
  - 2.C.6 Zinc Production
  - 2.C.7.a Copper Production
  - 2.C.7.b Nickel Production
  - 2.C.7.c Other Metal Production
  - 2.C.7.d Storage, Handling and Transport of Metal Products
- 2.D Other Solvent and Product Use
  - 2.D.3.a Domestic Solvent Use including fungicides
  - 2.D.3.b Road Paving with Asphalt
  - 2.D.3.c Asphalt Roofing
  - 2.D.3.d Coating Applications
  - 2.D.3.e Degreasing
  - 2.D.3.f Dry Cleaning
  - 2.D.3.g Chemical Products
  - 2.D.3.h Printing
  - 2.D.3.i Other Solvent Use
  - 2.D.3.i Stationary Use of Lubricants
  - 2.D.3.i Mobile Use of Lubricants
- 2.G Other Product Use
  - 2.G.4 Use of Fireworks
  - 2.G.4 Use of Tobacco
  - 2.G.4 Charcoal
- 2.H Other (Pulp & Paper, Food)
  - 2.H.1 Pulp and Paper Industry
  - 2.H.2 Food and Beverages Industry
  - 2.H.3 Other Industrial Processes
- 2.I Wood Processing
- 2.J Production of POPs
- 2.K Consumption of POPs and Heavy Metals
- 2.L Other Production, Consumption, Storage, Transportation or Handling of Bulk Products
  - 2.L(a) Handling of Bulk Products
  - 2.L(b) Diffuse Emissions From Industrial Establishments

## 5 - Agriculture (NFR 3)

- Chapter 5: Agriculture (NFR 3)
  - 3.B Manure Management
  - 3.D Agricultural Soils
  - 3.F Field Burning Of Agricultural Residues
  - 3.I Agricultural: Other

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# Authors

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