People's Democratic Republic of Algeria

وزارة البيئة وجودة الحياة

ⵓⵖⵏⴻⵣ ⵏ ⵜⵍⵍⴰⵢⵜ ⴷ ⵜⵖⵓⵔⵉ ⵏ ⵜⵙⴷⵓⵜ

Ministry of Environment and Quality of Life

Algeria's 1st BIENNIAL UPDATE REPORT (BUR1)

21th workshop of the facilitative sharing of views (FSV)

UNFCCC Antalya, Turkiye – November 2026

National Context

Livestock
- cattle: 1.7 million

GDP growth
- 3.4% (2021)

Climate zones
- mediterranean humid
- semi-arid desert
- Saharan climate

Population
- 43.85 millions



Area
- 283.2 million ha

hydrographic network
- 17 watersheds

Total agriculture area
- 15 % ⇨ 43 million ha

Forest area
- 1,5 % ⇨ 4.1 million ha

Desert
87.0%

Data provided: 2020

Institutional arrangements

Support by UNDP Algeria

Ministry of Environment and Life Quality

National UNFCCC FOCAL POINT
Ministry of Foreign Affairs

National Agency of Climate Change (ANCC)

National Inventory Compiler (NIC)

QA/QC representative

NIR coordinator

Coordinator
KCA and uncertainty analysis

Coordinator
Documentation and Archiving

Energy sector

IPPU sector

Agriculture sector

LULUCF sector

Waste sector

Data Exchange

Data Exchange

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Data Exchange

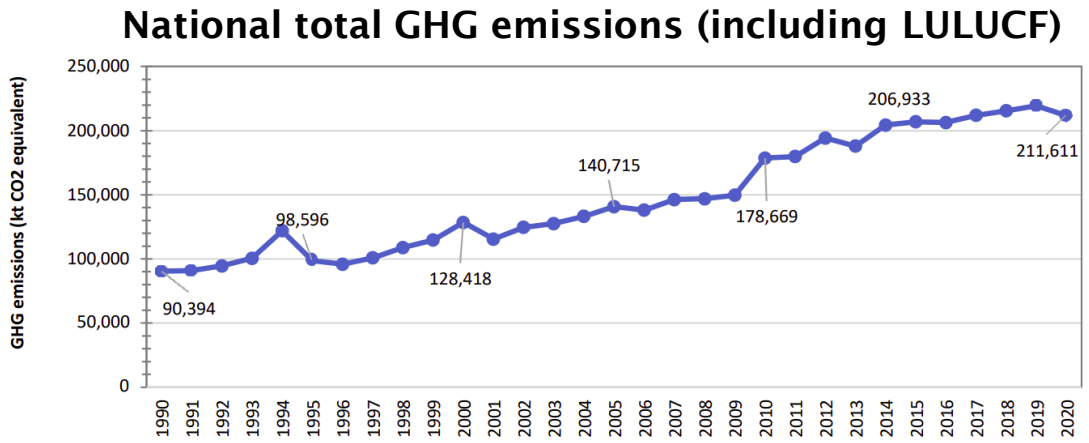
Data Exchange

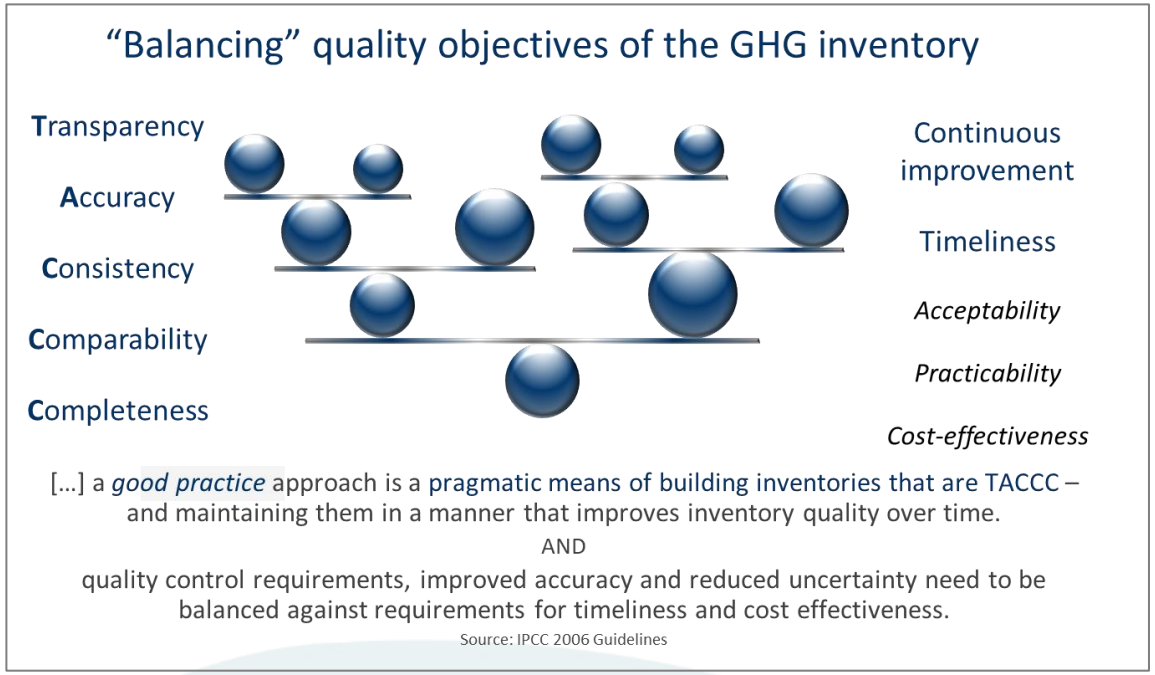
DATA Providers

Ministry of Hydrocarbons, Ministry of Energy and Renewable Energies, Ministry of Agriculture, Rural Development and Fisheries, Ministry of Industry, Ministry of Interior, Local Authorities and Transports, National Statistics Office, Institute meteorology , etc.

International data sources (UN Statistics, FAO, ...)

GHG Inventory

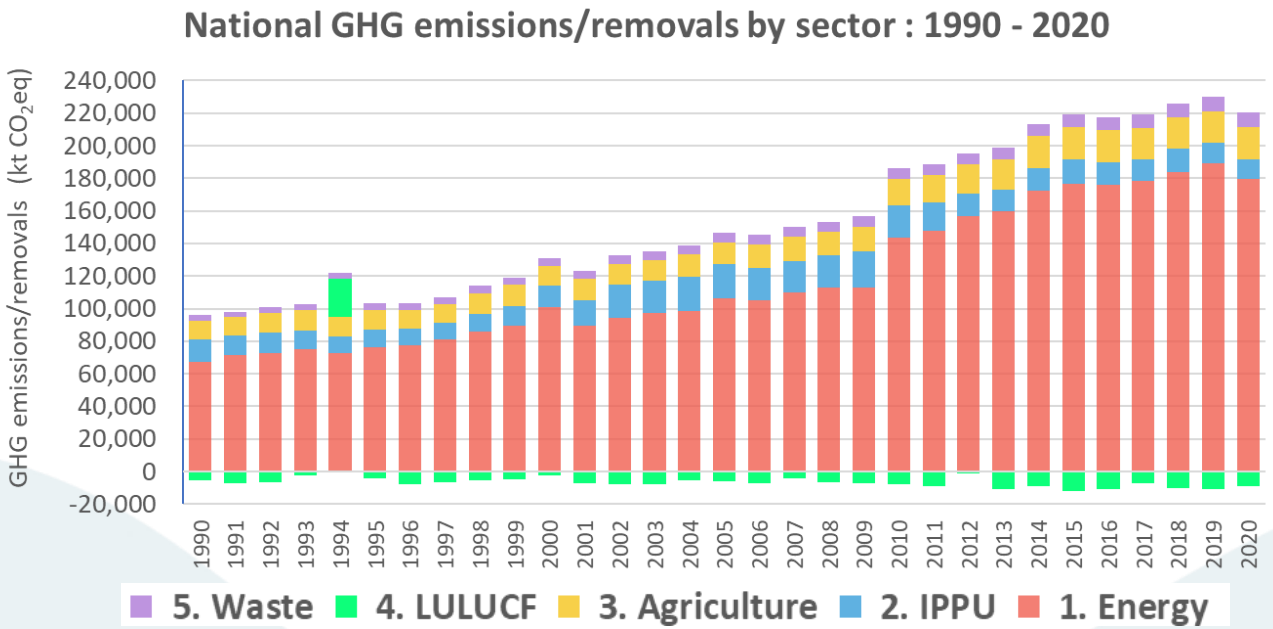




Methods and quality objectives

- IPCC 2006 Guidelines and 2019 Refinement to 2006 IPCC Guidelines;
- Greenhouse gases: CO_2, CH_4, N_2O, HFCs, and SF_6;
- Sectors: Energy, Industrial processes and Product use (IPPU), Agriculture, Land Use, Land-Use Change, and Forestry (LULUCF), Waste;
- Timeseries 1990 – 2020;
- Calculation by mainly Tier 1 but Tier2 for some categories in Agriculture and Cement Use of GWP of IPCC Assessment report (AR4);
- Stand-alone National Inventory Report (NIR).

GHG Inventory



Net emissions/removals	
excluding LULUCF	including LULUCF
$ktCO_2eq$	
220 545	211 611

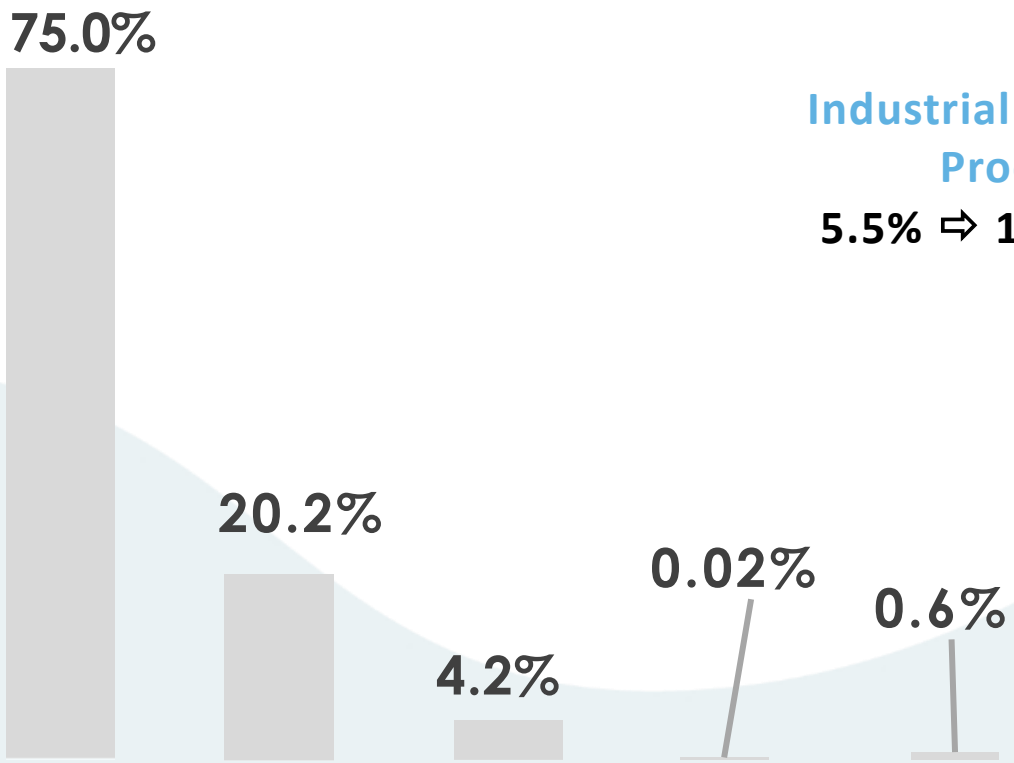


LULUCF
- 8.933 $ktCO_2eq$

Key driver

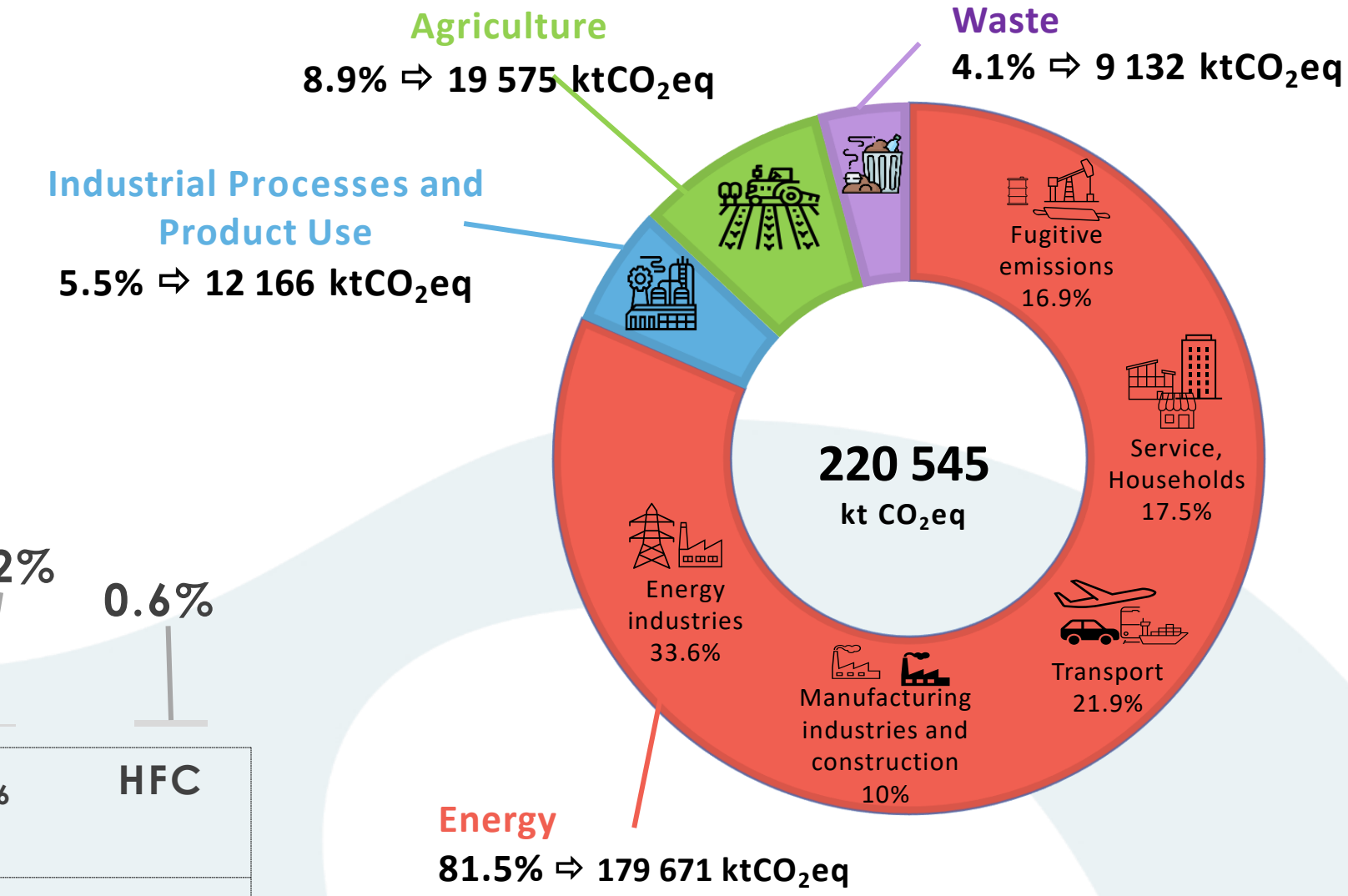
- Population growth
- Expansion of economic and agricultural activities
- Growth in transport performance
- Rising of GHG emissions from IPCC sector 1 Energy driven by higher energy demand, road transport and manufacturing industries and construction
- Increased export of electricity, natural gas and oil, cement

GHG Inventory



CO_2	CH_4	N_2O	SF_6	HFC
		$ktCO_2eq$		
158 787	42 753	8 829	36	1 206

Total GHG emission by sector (excluding LULUCF) 2020



Mitigation actions

7% of GHG reduction emissions using national resources

22 % conditional with international support

Energy



- Achieve 27% of national electricity production from **renewable energies** by 2030.
- Widespread adoption of **high-performance lighting**.
- **Thermal insulation** of housing between 2021 and 2030.
- Increase the share of **LPG consumption** between 2021 and 2030.
- **Reduce the volume of flared gas** to less than 1% by 2030.

Waste



- **Organic waste recovery**: composting of organic waste and green waste.
- **Recovery and energy conversion of methane** from landfill sites and wastewater treatment plants.

Forest



- **Afforestation and reforestation** ⇨ Algerian green dam.
- Accelerate the **National Reforestation Plan** with an overall reforestation target of 1,245,000 hectares.

Mitigation actions

National Climate Plan

- 76 **mitigation** actions ;
- 63 **adaptation** actions ;
- 16 **cross-cutting** actions.



Sectors	Main Measures	Expected Reductions (Mt CO_2eq, by 2026)
Energy	Gas flaring reduction, combined cycle power plants, renewable energy deployment	≈132
Transport	LPG conversion, metro & tramway expansion, railway electrification	≈8
Housing & Urbanism	Thermal insulation of buildings, residential & tertiary solar PV	≈15
Industry (Cement)	Energy efficiency in cement plants, fuel substitution, lower carbon intensity cement	≈4
Forests	Reforestation, Green Dam project, sustainable forest management	≈10

Support received 2010-2023

43 projects

≈ 315 million USD

13 mitigation
17 adaptation
13 cross cutting

Support needed

Technology: deployment of advanced monitoring systems and low-carbon solutions

Research: knowledge generation, climate finance expertise, and market readiness

Capacity: robust multi-level governance and systemic awareness-raising

Finance: innovative fiscal instruments, green investments, and ecosystem restoration

ETF transition and implementation

Institutional arrangements

- **Institutionalization of sectoral MRV/ETF system** in three ministries (energy, transport, industry) to estimate GHG emission and track mitigation actions (ongoing).
- **Climate change units installed in different ministries** (agriculture and forestry, energy, industry, transport, water resources, …).
- **Capacity building on IPCC 2006 Guidelines & 2019 Refinement**;
- establishment of a National GHG Inventory System.

Reporting

- NIR prepared in accordance to **MPGs** (Decision 18/CMA.1).
- **Key category analysis** (KCA) and **uncertainty analysis** performed.
- Higher-tier methods for e.g. Tier 2 in livestock, cement.
- **QA/QC activities** performed.
- Preparation of **Inventory Improvement plan** prepared.
- Strengthening the **quality objectives** transparency, accuracy, consistency, comparability and completeness.
- Timeseries **1990-2020.**
- GHG inventory system strengthened with support from
  - UNFCCC: voluntary **quality assurance workshop.**
  - UNDP: **in-depth training** on 2006 **IPCC guidelines** and 2019 Refinements.

Archive and data management

- Excel-based **calculation tool** with
  - comprehensive background documentation.
  - Tables & graphs for NIR.
- Development of a **centralized system for GHG data management**, ensuring structured archiving, accessibility, and long-term continuity (ongoing).
- Progress toward **establishing a legal framework to institutionalize data archiving** and guarantee the long-term sustainability of the ETF.

THANK YOU