

People's Democratic Republic
of Algeria



Country Report

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PRESENTATION PLAN

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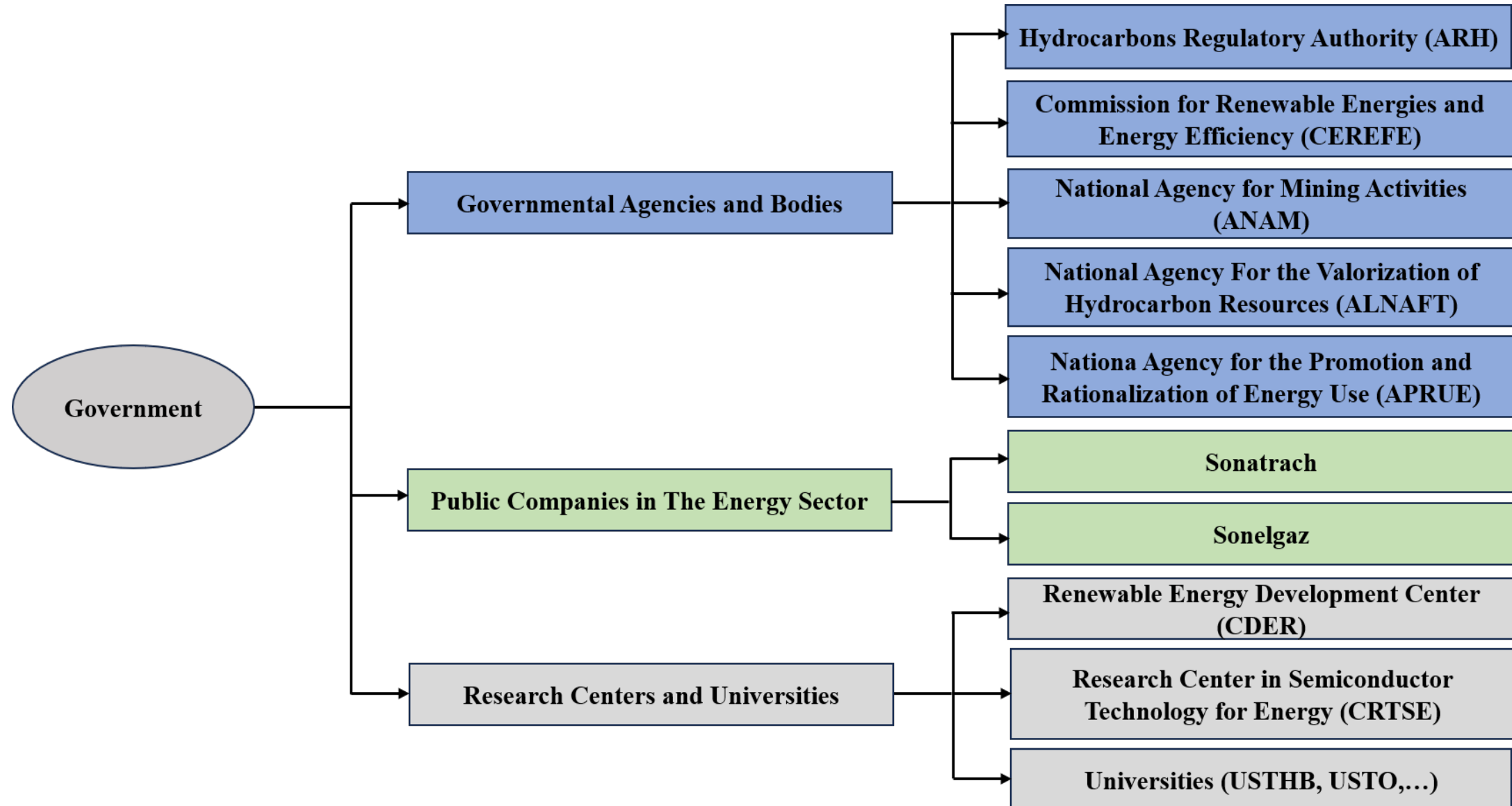
Country profile

Category	Data
Country Name	People's Democratic Republic of Algeria
Capital	Algiers
Currency	Algerian Dinar (DZD)
Official Languages	Tamazight, Arabic
Population (2025)	≈ 47,4 million
Total Area	2,38 million km ²
Number of Households	≈ 9 million
Administrative Divisions	69 Provinces

Economic Indicators

Indicator	Value	Period
GDP (Nominal)	288 Billion (USD)	2025
GDP (PPP)	826,1 Billion (USD)	2024
Nominal GDP per capita	5580 (USD)	2024
GDP (PPP) per capita	17 718 (USD)	2024
Human Development Index (HDI)	0,763 (High)	2023

Organizational Structure of the Algerian Energy Sector



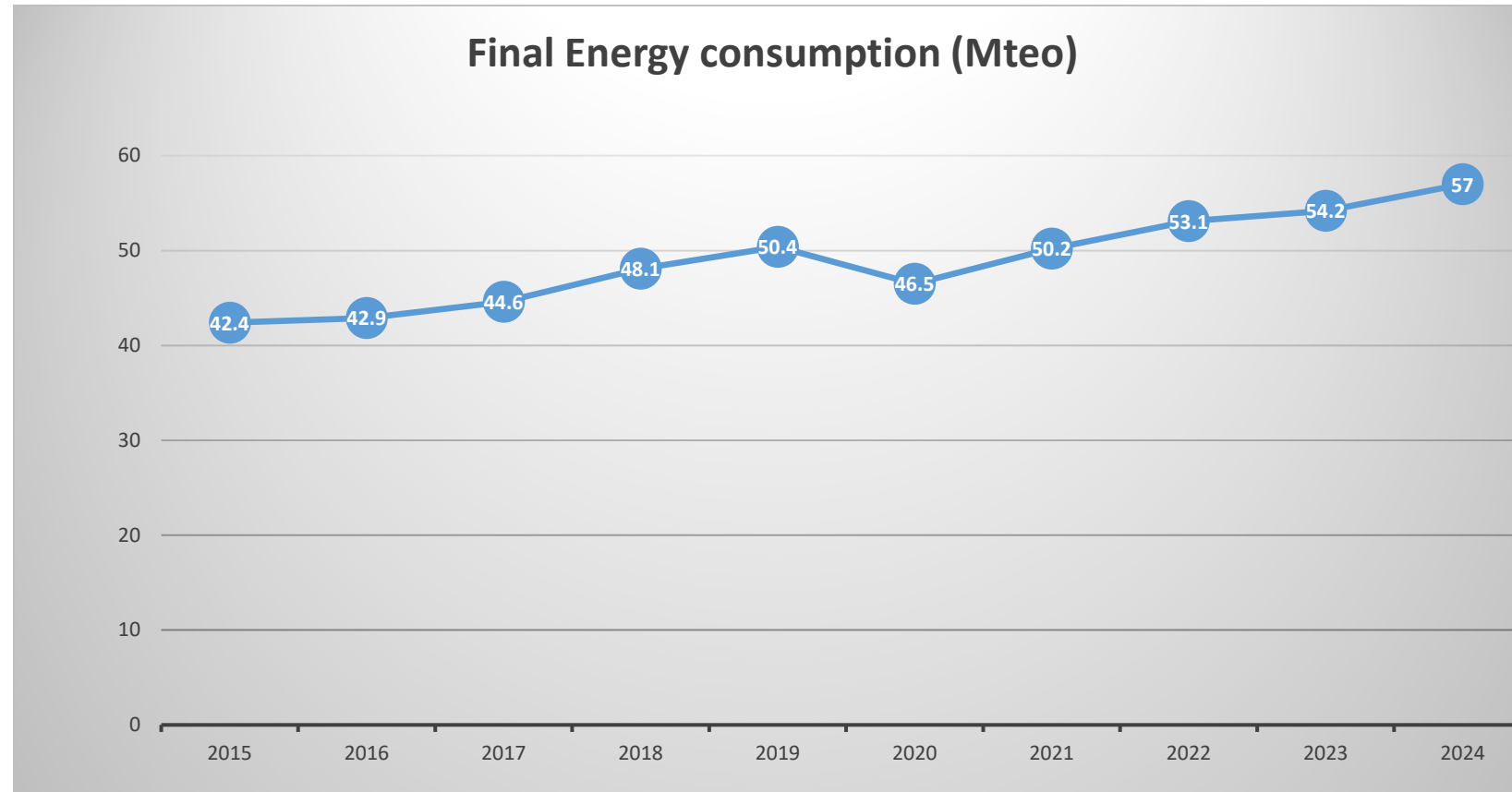
Primary energy supply : production, imports and exports (2024)

Primary energy supply	Units : Mtoe
Production	169,5
Imports	1,2
Exports	93,5

Primary energy supply by energy source (2024)

Product	Total : 169 525 Ktoe
Natural Gas	98 371
Crude Oil	51 908
Condensate	9 118
Field LPG	9 960
Primary Electricity	168

Final Energy consumption in Algeria (2015-2024)



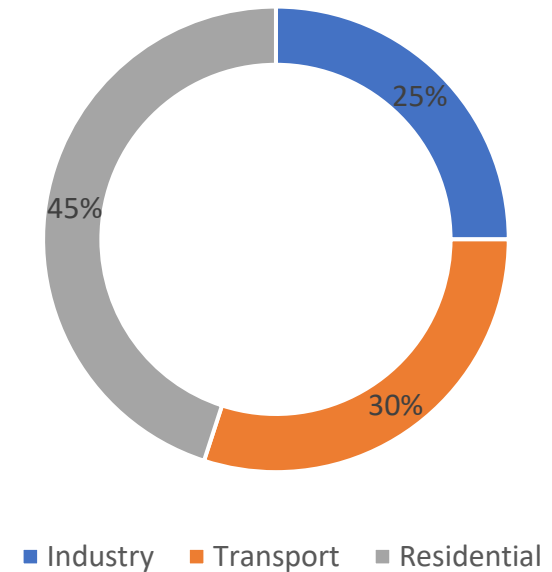
Final Energy Consumption in Algeria (2024)

Final Energy Consumption per Sector

Sector	Units : ktoe
Industry	14 230
Transport	16 976
Residential	25 776
Total	56 982



Final Energy consumption per Sector



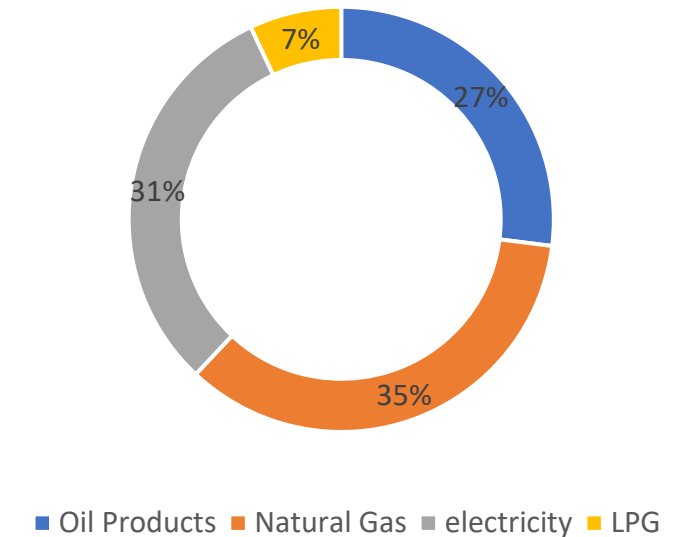
Final Energy Consumption in Algeria (2024)

Final Energy Consumption by Energy Source

Product	Units : ktoe
Oil Products	15 385
Natural Gas	19 944
Electricity	17 664
LPG	3 989
Total	56 982



Final Energy Consumption by Energy Source



ELECTRICITY GENERATION AND INSTALLED CAPCITY

✓ Total electricity **installed capacity** in 2024 : **26,1 GW**

✓ Total electricity **generation** in 2024: **101 386 GWh**

Electricity Generation By Energy Source (2024)

Production By Source	Total : 101 386 (GWh)
Combined Cycle	53 805
Gas Turbines	35 735
Steam Turbines	4660
Diesel Turbines	278
Hydraulic Turbines	41
Renewable Energies	661
Autonomous Production	6 206

Algeria's CO₂ Emissions

Algeria's total greenhouse gas (GHG) emissions (excluding LULUCF) were estimated at :

- 80,7 Mt CO₂ in 1990
- 172,5 Mt CO₂ in 2010
- 240,4 Mt CO₂ in 2022

Algeria's Greenhouse Gas Emissions Per Sector

Sector	Emissions 2022 (Mt CO ₂)
Energy	198,7
Industrial Processes and Product Use (IPPU)	22,1
Waste	10
Agriculture	9,6

Algeria's CO₂ Emissions

Algeria's Greenhouse Gas Emissions For Sector Of Energy

Sector of Energy	Emissions 2022 (Mt CO ₂)
Fuel Combustion	165,4
Fugitive Emissions	33,3



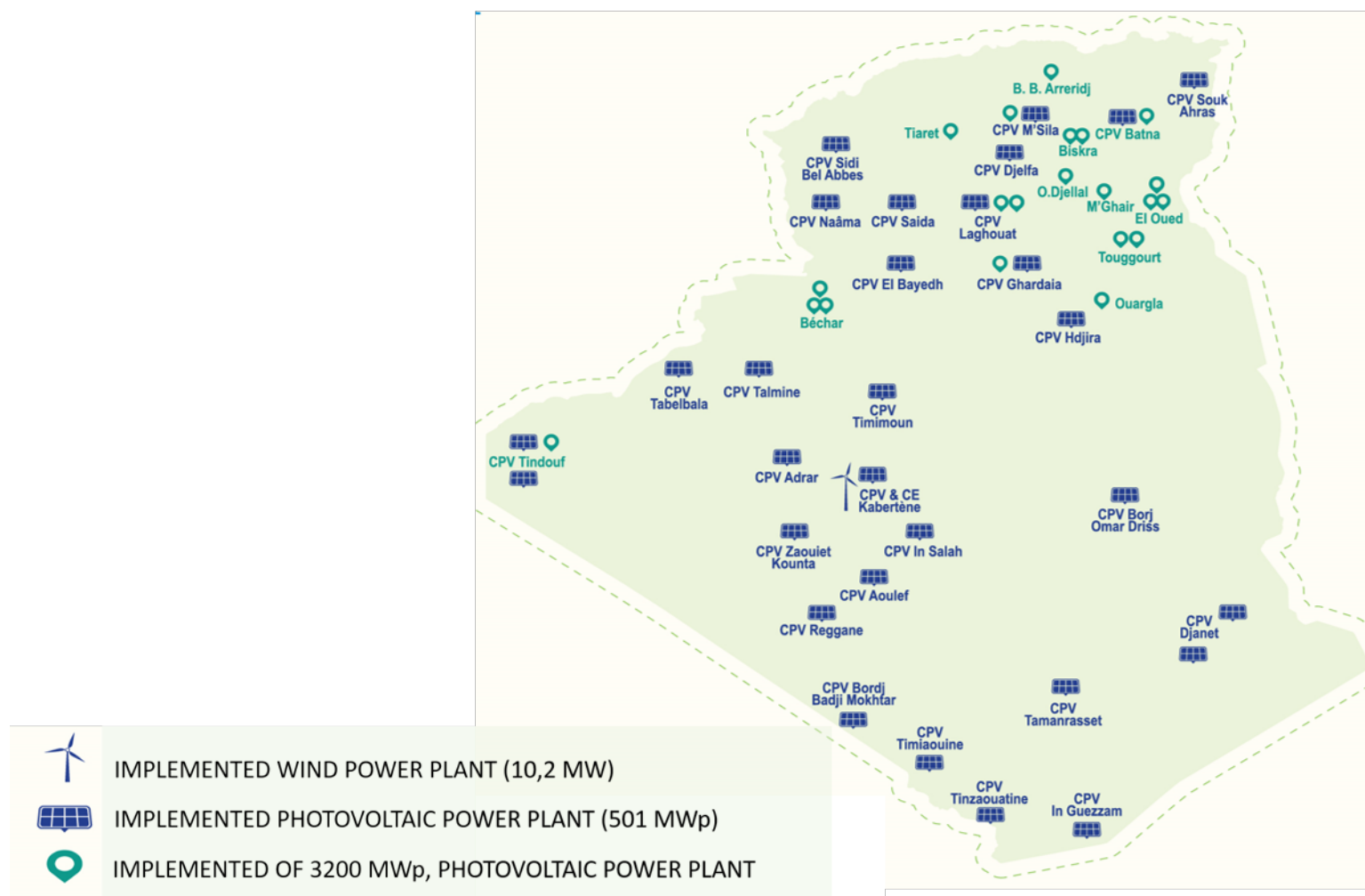
Algeria's Greenhouse Gas Emissions For Fuel Combustion

Fuel Combustion	Emissions 2022 (Mt CO ₂)
Energy Industries	69,3
Manufacturing Industries and Construction	20,1
Transport	43,1
Other Sectors	32,9

Current Energy policy and Energy related investment

- The Ministry of Energy and Renewable Energies is leading Algeria's energy transition program, which aims to develop 15,000 MW of solar photovoltaic capacity by 2035.
- Strategic projects through the deployment of pilot projects and corridors dedicated to the export of green hydrogen to Europe by 2040.
- Trans-Saharan gas pipeline pumping Nigerian natural gas straight to European borders via Algeria.

The national Plan for Renewable Energy program By 2035: 15 GWp, Including 3200 MW Under Construction



Subjects I Would Especially Like to Learn in This Program

- Japan's experience and best practices in the large-scale integration of renewable energy and power system management.
- Long-term energy planning mechanisms integrating renewable energy sources, energy storage systems, and smart grids.
- Acquiring a deeper understanding of Japan's energy policy

Expectation of My Supervisor

- Disseminate the knowledge and skills acquired through workshops, technical reports, and capacity-building activities for colleagues and stakeholders.
- Identify innovative approaches that can be adapted to the Algerian context to accelerate the deployment of renewable energy and energy efficiency measures.
- Establish a professional network with international experts to foster knowledge exchange and future cooperation opportunities between Algeria and Japan.

Thank You

