CLIMATE CHANGE & DISASTER RISK REDUCTION SNAPSHOT

Turkey



Key Facts

In 2011, every citizen of Turkey emitted on average **4.4 tCO**₂ which is lower than the world average of **4.98 tCO**₂

	Population:	78.74 million
(\mathbf{A})	Surface Area:	783,560 km²
	Capital City:	Ankara
	GDP (2014):	\$ 798.4 billion
	GDP p.C.(2014):	\$ 10,515
	HDI (2014):	0.761 (72)

Intended Nationally Determined Contribution (INDC)*

Mitigation: Type: Deviation from BAU, economy wide

> Up to 21% from the Business as Usual level by 2030

* The Republic of Turkey is an Annex I Party to the UNFCCC. However, decision 1/CP16 recognized the special circumstances of Turkey.

Energy Consumption and Intensity





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CLIMATE CHANGE MITIGATION

GHG Emission by Sector over Time







Oil reserves: **294.8** million barrels



Gas reserves: **6.82** billion standard m³



In 2012, the **Energy Sector** accounted for **87%** of the total GHG emissions.



One tonne of total supplied energy causes **2.44 tonnes** CO₂ emissions.

Compared to **1.96 world average** and **2.36 regional average**.

GHG Emissions Scenarios



GHG Emissions by Type¹



1 HFC data for 1990 is not available.

CLIMATE CHANGE ADAPTATION & DISASTER RISK REDUCTION



Global risk assessment for humanitarian crises and disasters

	Hazard & Exposure	Vulnerability	Lack of Coping Capacities	Country Rating
Global average	3.3	3.6	4.7	49 out of 191
Regional average	3.6	2.9	4.4	2 out of 18
Country	6.2 🛦	4.9 🛦	3.3	

Source: Sixth National Communication to the UNECCC (2016), RCP4.5 scenario,

Spring

Summe

Autumn

Winter

FURTHER INFORMATION

References²

Center for Research on the Epidemiology of Disasters (CRED). (2016). Emergency Events Database EM-DAT.

Central Intelligence Agency, 2014: the World Factbook.

Government of the Republic of Turkey, 2016: Turkey's Joint First and Second Biennial Report under the UNFCCC.

Government of the Republic of Turkey, 2016: Turkey's Sixth NC under the UNFCCC.

Government of the Republic of Turkey, 2015. Intended Nationally Determined Contribution (INDC).

Government of the Republic of Turkey, 2013: Turkey's Fifth NC under the UNFCCC.

IEA Energy Atlas, 2012. "CO₂ Emissions from Fuel Combustion".

International Energy Agency (IEA) and the World Bank, 2015. "Sustainable Energy for All 2015 – Progress Toward Sustainable Energy", June. World Bank.

UNDP Human Development Reports, 2014: Data Catalog.

World Bank, 2014: Data Catalog. World Energy Council, 2013. "World Energy Resources: Coal".

2 The links to the references are available in the webversion of the snapshot at http://www.eurasia.undp.org/

For more information, visit: http://www.eurasia.undp.org/



United Nations Development Programme Istanbul Regional Hub for Europe and CIS Key Plaza, Istiklal Sk. No: 11 Sişli, 34381, Istanbul, Turkey

Policies and Strategies

Republic of Turkey Ministry of Development Tenth National Development Plan 2014-2018 (English)

- Republic of Turkey National Climate Change Strategy 2010-2023 (English)
- Republic of Turkey National Climate Change Action Plan 2011-2023 (English)
- Republic of Turkey National Climate Change Adaptation Strategy and Action Plan 2011-2023 (English)
- Republic of Turkey National Earthquake Strategy and Action Plan 2012-2023 (Turkish)
- Republic of Turkey National Disaster Response Plan (Turkish)
- National Renewable Energy Action Plan for Turkey (English)
- Republic of Turkey Ministry of Energy and Natural Resources 2015-2019 Strategic Plan (English)
- Republic of Turkey Ministry of Transport, Maritime Affairs and Communications Transportation and Communication Strategy Target 2023 (Turkish)
- Republic of Turkey National Intelligent Transport Systems 2014-2023 and Action Plan 2014-2016 (Turkish)
- Republic of Turkey Ministry of Science, Industry and Technology National Recycling Strategy Document and Action Plan 2014-2017 (Turkish)

UNDP's Climate Change and DRR related interventions

- Promoting Energy-Efficient Motors in Small and Medium Sized Enterprises (SMEs) Sustainable Energy Financing Mechanism for Solar PV in Forest Villages in Turkey Project Promoting Energy Efficiency in Buildings in Turkey Project Market Transformation of Energy Efficient Appliances in Turkey Project Improving Energy Efficiency in Industry in Turkey Integrated Approach to Management of Forests in Turkey, with Demonstration in High Conservation Value Forests in the Mediterranean Region Support for the Preparation of the Turkey's First Biennial Report (FBR) to UNFCCC Project Planned initiatives for supporting Turkey in its reporting requirements under UNFCCC (i.e. Third Biennial Report, Seventh National Communication) Planned initiatives for supporting climate change mitigation and adaptation strategy development and planning processes at national and local levels Planned initiatives for establishing climate change adaptation solutions with private sector involvement Planned initiatives for developing actions and plans on climate change mitigation, INDCs and MRV systems Planned initiatives for developing a climate finance framework that is catalyzing public - private capital for low-carbon and climate-resilient investments Planned initiatives for establishing a risk-centered integrated disaster management system
- Planned initiatives for strengthening relations among central and local authorities for effective disaster management
- Planned initiatives for enhancing capacity of the units responsible for disaster management at local level

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October, 2016