

# CLIMATE CHANGE & DISASTER RISK REDUCTION SNAPSHOT

## Azerbaijan



Empowered lives.  
Resilient nations.

### Key Facts

In 2011,  
every citizen of Azerbaijan  
emitted on average **4.9 tCO<sub>2</sub>**  
which is lower ↓ than the  
world average of **4.98 tCO<sub>2</sub>**



Population: 9.593 million



Surface Area: 86,600 km<sup>2</sup>



Capital City: Baku



GDP (2014): \$ 75.2 billion



GDP p.C.(2014): \$ 7,985



HDI (2014): 0.751 (78)

### Intended Nationally Determined Contribution (INDC)\*

#### Mitigation:

**Type:** Overall GHG emission  
reductions compared to a base year

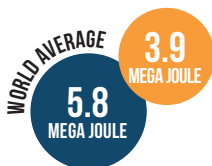
↓ **35%** reduction in  
the level of **GHG  
emissions** compared  
to 1990 by 2030

**Adaption:** The Republic of Azerbaijan  
considers to develop relevant adaptation  
measures for decreasing or minimizing  
the losses that may occur at national,  
local and community levels per sector.

\* The Republic of Azerbaijan is a non-Annex I Party to the UNFCCC.

### Energy Consumption and Intensity

Energy intensity in 2012  
in mega joule per 2011 PPP:



3.9  
MEGA JOULE

RANK

50

OUT OF 189



2012

**2,022 petajoules** of  
the cumulative energy  
consumption was

**AVOIDED**

2011

**Increase** in primary  
energy intensity in **2012**  
compared to **2010**:

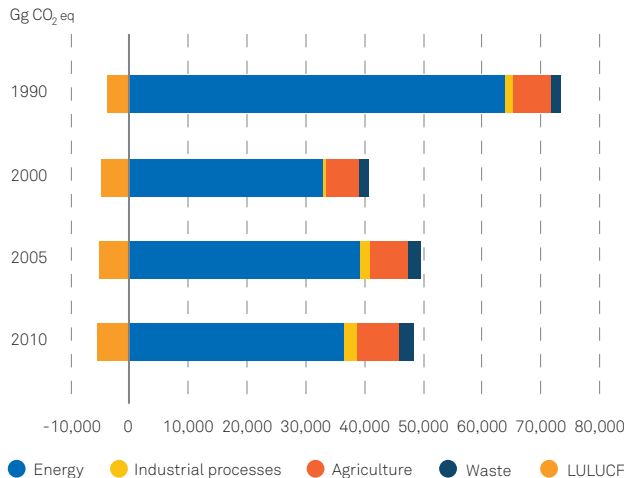
**+7.50 %** ▲

World Average:

**-1.74 %**

# CLIMATE CHANGE MITIGATION

## GHG Emission by Sector over Time



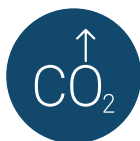
Oil reserves:  
**7,000** million barrels



Gas reserves:  
**1,308** billion standard m<sup>3</sup>



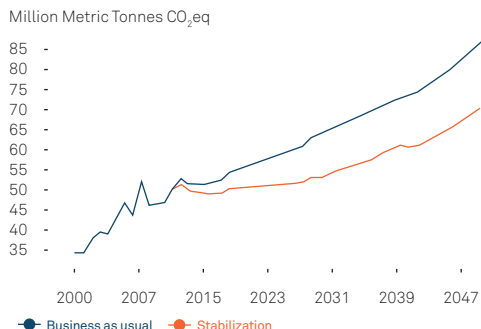
In 2010, the **Energy sector** accounted for over **76%** of the total GHG emissions.



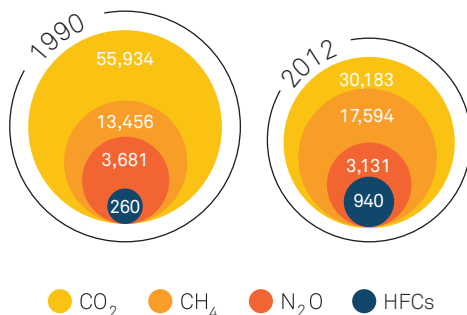
**One tonne** of total supplied energy causes **2.12 tonnes** CO<sub>2</sub> emissions.

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

## GHG Emissions Scenarios



## GHG Emissions by Type



# CLIMATE CHANGE ADAPTATION & DISASTER RISK REDUCTION



## MOST SIGNIFICANT HAZARDS

- Floods and flash floods
- Earthquakes
- Droughts
- Extreme temperatures
- Heavy rain
- Mudflows, debris flows and landslides



Kura River floods in 2010: caused **US\$4 million** damage.

## Priority Areas of UNDP Intervention for 2015–2030 in DRR

● Priorities for Azerbaijan



## INFORM 2016

Global risk assessment for humanitarian crises and disasters

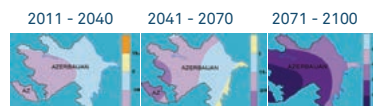
	Hazard & Exposure	Vulnerability	Lack of Coping Capacities	Country Rating
Global average	3.3	3.6	4.7	79 out of 191
Regional average	3.6	2.9	4.4	6 out of 18
Country	2.9	4.5 ▲	4.9 ▲	

An increase of annual average temperature in a range of **3.5– 5.0 °C** in most regions of Azerbaijan is projected by 2100 compared to 1961–1990.

Forecasted changes in temperature in °C for the period between



Forecasted changes in precipitation in % for the period between



Source: Third National Communication to the UNFCCC (2015), HadCM3 scenario

# FURTHER INFORMATION

## References<sup>1</sup>

Central Intelligence Agency, 2014: the World Factbook.

Government of the Republic of Azerbaijan, 2014: The First Biennial Updated Report of the Republic of Azerbaijan to the UN Framework Convention on Climate Change.

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

IEA Energy Atlas, 2012. "CO<sub>2</sub> 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.

Ministry of Ecology and Natural Resources, Republic of Azerbaijan, 2015: Third National Communication to the UNFCCC.

Ministry of Ecology and Natural Resources, Republic of Azerbaijan. 2010: Second National Communication to the UNFCCC.

UNDP Human Development Reports, 2014: Data Catalog.

UNDP, 2016: Water Resource Project.

UNFCCC: Emissions Summary for Azerbaijan.

World Bank, 2014: Data Catalog.

World Energy Council, 2013. "World Energy Resources: Coal".

## Policies and Strategies

Law on Civil Defense

Law On Emergency Situations

Law on safety of hydro-technical constructions

Town Planning & Building Code

Law on Fire Safety of the Azerbaijan Republic

The State Program on Socio-economic Development of the Regions of the Republic of Azerbaijan for 2014-2018

"Azerbaijan 2020: Look into the Future"

Intended Nationally Determined Contribution (INDC) of the Republic of Azerbaijan to the United Nations Framework Convention on Climate Change

State Programme for the Development of the Fuel and Energy Sector (2005–2015)

State Programme for the Socio-economic Development of the Regions of Azerbaijan (2014–2018)

State Programme for Poverty Reduction and Sustainable Development (2008–2015)

## UNDP's Climate Change and DRR related interventions

Nationally Appropriate Mitigation Actions for low-carbon end-use sectors in Azerbaijan

ClimaEast Pilot Project "Ecosystem-based approaches to climate change" (2013–2017)

Integrating Climate Change Risks into Water and Flood Management by Vulnerable Mountainous Communities in the Greater Caucasus Region (2012–2016)



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

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October, 2016

<sup>1</sup> The links to the references are available in the web-version of the snapshot at <http://www.eurasia.undp.org/>