

# DIRECTORATE OF CLIMATE CHANGE



## DEVELOPMENTS ON CLIMATE ACTION IN TÜRKİYE

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2024



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# United Nations Framework Convention on Climate Change (UNFCCC)



Due to the negative effects of human-induced climate change, **197** countries signed the United Nations Framework Convention on Climate Change in **1992**.

The ultimate goal of the convention is to **stop greenhouse gas accumulations in the atmosphere** at a level that will prevent dangerous human-induced effects on the climate system.

**Türkiye became a party to the convention as an Annex 1 country in 2004.**

The convention decisions are taken by the Conference of the Parties held every year. The **29th Conference of the Parties** will be held in Baku in November this year.





# Paris Agreement



## AIM

Global target of keeping global warming well below **2°C**

## THE CURRENT SITUATION

Compared to the pre-industrial revolution period, there has been a **1.1** degree increase in the world and a **1.5** degree increase in the Mediterranean Basin.

Türkiye;

- signed on April 22, 2016,
- Ratified on October 7, 2021 and
- **officially became a party as of November 10, 2021.**

The Paris Agreement was adopted on 12 December 2015. It entered into force on **4 November 2016**. **195 countries** are parties.

From each country:

- Submit a **Nationally Determined Contribution** (NDC) every 5 years, each one stronger than the previous one
- Submit a **Long-Term Low Emission Development Strategy**
- Report **national climate action and submit a compliance statement**

From developed countries:

- **Provide financial and technological support to developing countries** and report





# Responsibilities of the Directorate of Climate Change



## INSTITUTIONAL & POLICY FRAMEWORK

2053 net zero emission target

Becoming a Party to the Paris Agreement

Directorate of Climate Change

Climate Change and Coordination Committee

### Main Responsibilities

- Coordination and determination of national policies, strategies and actions
- Design carbon pricing instruments and financial support systems for green transition
- Development of climate modeling



# Climate Change Legislation



## **Legislation in Force;**

- Regulation on Monitoring of Greenhouse Gas Emissions
- Regulation on Fluorinated Greenhouse Gases
- Regulation on Substances Depleting the Ozone Layer

## **Draft Legislation;**

- **Climate Law**
- Regulation on Local Climate Change Action Plans
- Regulation on Emission Trading System
- Regulation on Carbon Offsetting
- Regulation on National Taxonomy

## **CLIMATE LAW**

- The draft document of "Climate Law" has been prepared, which will strengthen Türkiye's commitments on climate change on a legal basis.
- During the preparation process, the opinions of many public institutions and NGO representatives were taken into account.
- The Law Workshop was held in Antalya in December 2022 with all stakeholders. After these studies, the draft law was sent to the institutions for final opinions.
- Finally; it is expected to enter into force after Parliamentary work.



# Climate Negotiations and International Relations Activities



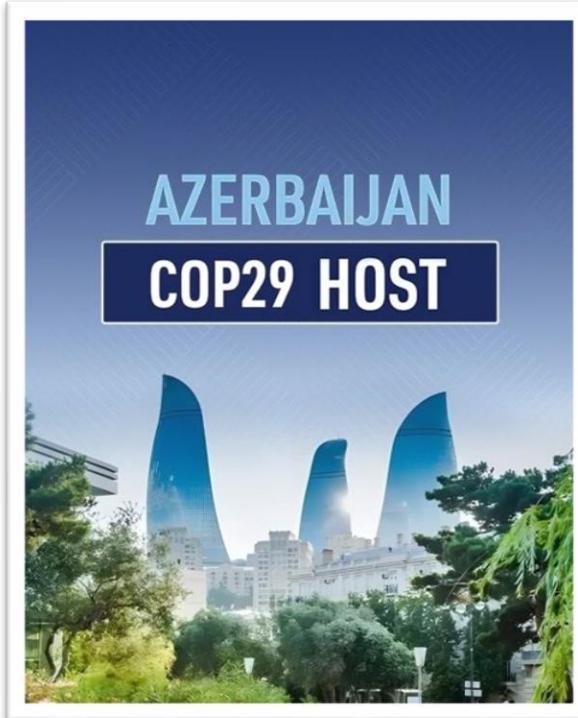
- Project on **Enhancing National Reporting System for Supporting Global Efforts on Climate Change (IPA 3)** (aimed to be TENDERED in 2024)
- Project on **Preparation of the 9th National Communication and 1st & 2nd Biennial Transparency Reports** (STARTED January 2024 )
- Project on **Strengthening Türkiye's Reporting Capacity under the Enhanced Transparency Framework** (planned to be START in 2024 )
- The **8th National Communication (8NC)** has been prepared and submitted to the UNFCCC Secretariat.
- The preparations for the **9th National Communication (9NC)** are currently underway.



# Climate Negotiations and International Relations Activities



## 29<sup>TH</sup> CONFERENCE OF THE PARTIES (COP 29) AZERBAIJAN



The 29th Conference of the Parties  
will be held in Baku, Azerbaijan,  
between 11-22 November 2024.

### COP 29 PRIORITY AND IMPORTANT ISSUES

- New Collective Quantified Goal
- Just Transition Work Program
- Mitigation Work Program
- Global Adaptation Goal Metrics
- Transparency and Reporting
- Tracking the Global Stocktake Evaluation



# Greenhouse Gas Mitigation Activities



- Preparation of Updated Nationally Determined Contribution (COMPLETED, SUBMITTED)
- The 2024-2030 Climate Change Mitigation Strategy and Action Plan (COMPLETED, PUBLISHED)
- 2053 Long Term Climate Change Strategy (IN PREPARATION, DELIVERY ON NOVEMBER 2024)
- Preparation of 2<sup>nd</sup> Nationally Determined Contribution (2025 DELIVERY)
- Establishment of the mitigation projection model within the Presidency
- Decarbonization studies in emission-intensive sectors (such as cement)

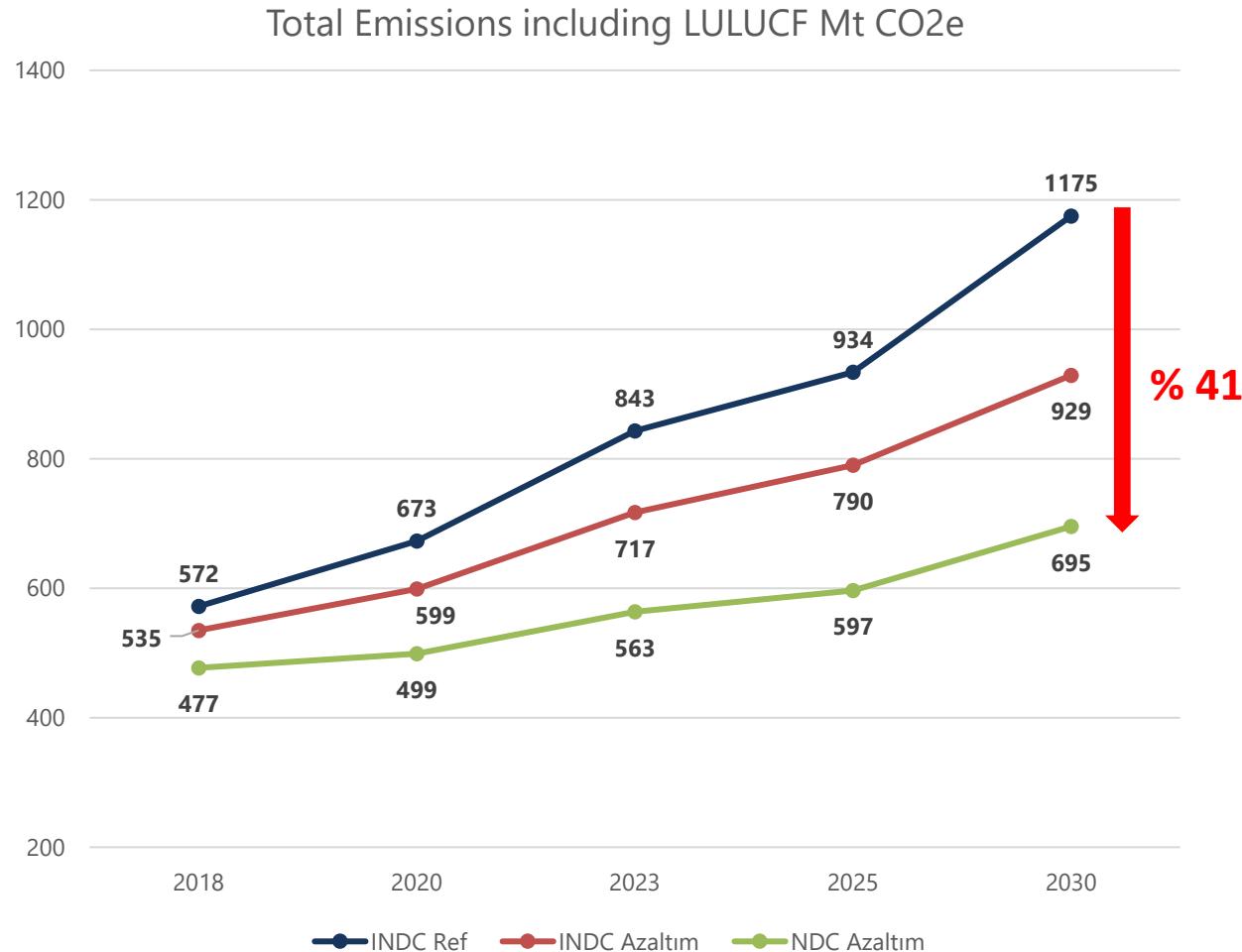




# Greenhouse Gas Reduction Activities



## Nationally Determined Contribution (NDC)



- Intended NDC has been updated and submitted to the UNFCCC Secretariat.
- 7 different sectors are modeled throughout the economy: Energy, Industry, Transportation, Agriculture, Waste, Buildings and Forestry.
- The 2030 reduction target, which was announced as 21% in 2015, was increased to 41%.



# Greenhouse Gas Reduction Activities



## 2024-2030 Climate Change Mitigation Strategy and Action Plan

### PLAN CONTENT

INTRODUCTION (NATIONAL AND INTERNATIONAL PROCESS, İDASEP PREPARATION PROCESS)

CURRENT SITUATION RELATED TO THE SECTORS

SECTORAL STRATEGIES AND ACTIONS

ACTION PLAN

PARTICIPATING INSTITUTIONS

MORE THAN 150 INSTITUTIONS/ORGANIZATIONS, MORE THAN 100 MEETINGS, 2000 STAKEHOLDER PARTICIPATIONS

PLAN SCOPE: 7 Mitigation sectors and just transition and carbon pricing topics

**49 strategies and 260 actions in total**

Energy

5 strategies, 37 actions

Industry

8 strategies, 32 actions

Buildings

6 strategies, 18 actions

Transportation

4 strategies, 36 actions

Waste

9 strategies, 34 actions

Agriculture

7 strategies, 27 actions

LULUCF

5 strategies, 49 actions

Carbon Financing

4 strategies, 20 actions

Just Transition

1 strategy, 7 actions



# Greenhouse Gas Reduction Activities



## 2053 LONG TERM CLIMATE CHANGE STRATEGY

- It is aimed to present Türkiye's long-term climate vision and sectoral road maps.
- It is planned to be delivered before COP29 (November 2024) to be held in Azerbaijan.

### Draft Contents

- Long-term vision and basic principles
- Mitigation policies
- Compliance policies
- Capacity building, technology and finance
- Benefit-cost analysis
- Application and monitoring

### Sectors and Subjects

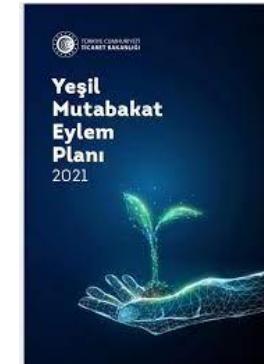
- **Mitigation** (Energy, Industry, Transport, Buildings, Agriculture, Waste and LULUCF)
- **Adaptation and Resilience**
  - Vulnerability Analysis
  - Loss and Damage
- **Other**
  - Gender equality
  - Education
  - Youth participation
  - Health
  - Just transition
  - Local



# Carbon Markets Activities



- Emission Trading System
- Voluntary Carbon Markets
- Green Deal Action Plan
- Paris Agreement Article 6 Applications



National Carbon Pricing  
Specialized Working  
Group Coordination



2023-2028

100 Million TRY



Chaired by the Vice President

Investment Environment Improvement  
Coordination Board

**2023-2025 Medium Term Program:** National Emission Trading System

**Our updated National Contribution Statement:** Carbon pricing as a mitigation tool



# Carbon Markets Activities



## EMISSIONS TRADING SYSTEM STUDIES CURRENT STATUS

- Purpose of Application: 2053 Net-Zero Emission Target & EU Border Carbon Regulation Mechanism Strategy

Scope: Emission intensive sectors

Method: Putting an upper limit on greenhouse gas emissions

Principle: Polluter Pays

- The Market Implementation Partnership became effective as of January 8, 2024.



### Approach:

- Consultation with our stakeholders
- Technical work
- Consistency with other policy areas

### First activities:

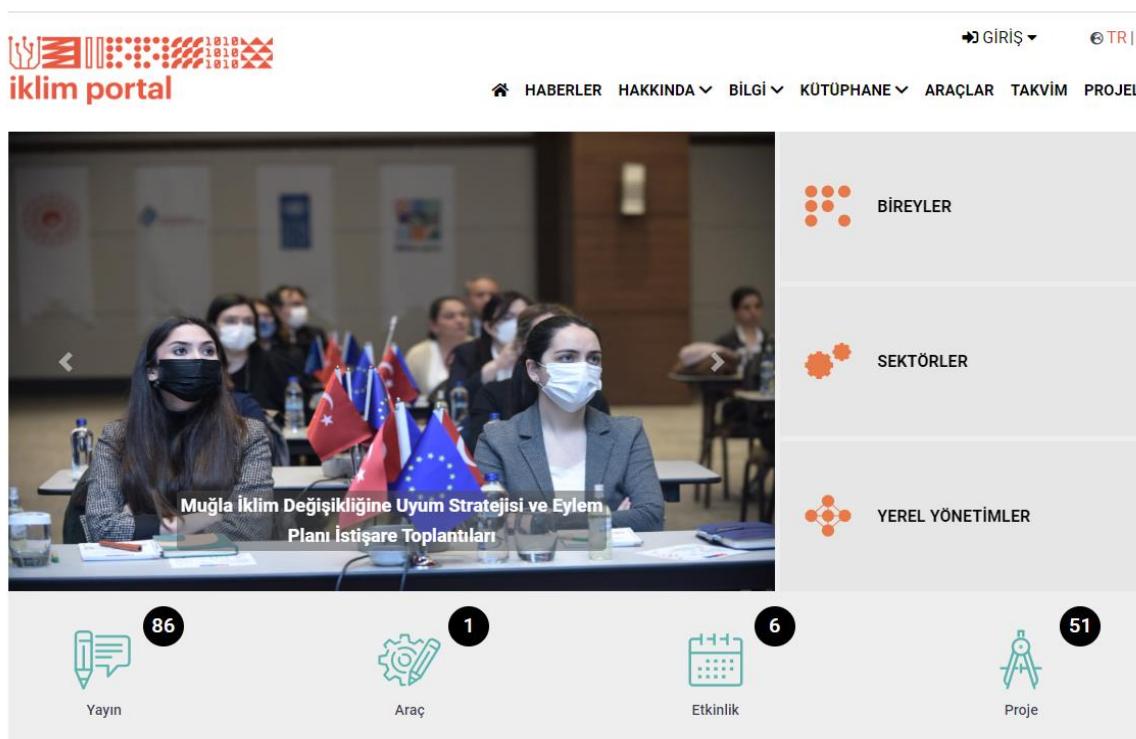
- ETS Design & Legislation Draft Studies
- Economic Modeling Studies
- Carbon Market Registration Strategy



# Climate Adaptation and Local Policies Activities



- **Climate Portal** (The tools to be developed in the Climate Portal aim to monitor Action Plans)
- The 2024-2030 Climate Change Adaptation Strategy and Action Plan (COMPLETED, PUBLISHED)
- Strengthening Climate Change Adaptation Action in Türkiye Project Grant Program (Application period 2024-2025)





## Climate Adaptation and Local Policies Activities



- EU Partnership Project for **Local Climate Action in Türkiye** (Planned application period 2026-2028)
- The **Local Climate Change Action Plans Regulation** is being prepared, based on the Draft Climate Law.
- Türkiye Climate Model → By the end of the century, the potential impacts of climate change in **12 NUTS regions of Türkiye** will be modeled using **6 global climate models based on 2 emission scenarios**, with a resolution of 3 km. Vulnerability and risk analyses will be conducted using the model outputs.

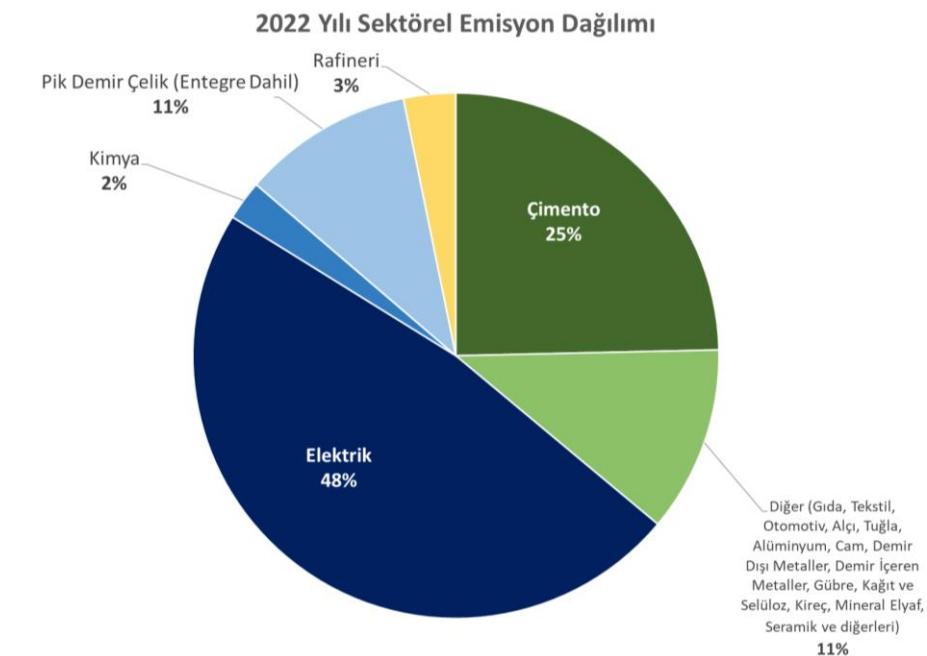


# Monitoring and Reporting Activities



- Within the scope of the Regulation on the Monitoring of Greenhouse Gas Emissions → Greenhouse Gas Monitoring, Reporting and Verification System
- 750 facilities registered** in the system.
- The verified greenhouse gas emissions of these facilities are approximately **50% of our country's** total greenhouse gas emission data.
- The system forms the basis of the Emission Trading System.

Greenhouse gas emissions are monitored → **the electricity generation, cement, iron and steel, aluminum, refinery, ceramics, lime, paper, fertilizer, brick, chemical and glass sectors**





## Climate Finance Activities



- Developing financial tools (National Taxonomy) for green finance access.
- 2021 MoU: \$3.157B in loans, \$66.5M in grants.
- 10 projects from 7 institutions in approval phase (World Bank & Presidency).
- Negotiations for 4 project packages (~\$37M) with IFIs ongoing/completed.
- Identifying support/incentives for private sector and local governments under net-zero target.



# Thank you!

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W W W . İ K L İ M . G O V . T R



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