

MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE

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

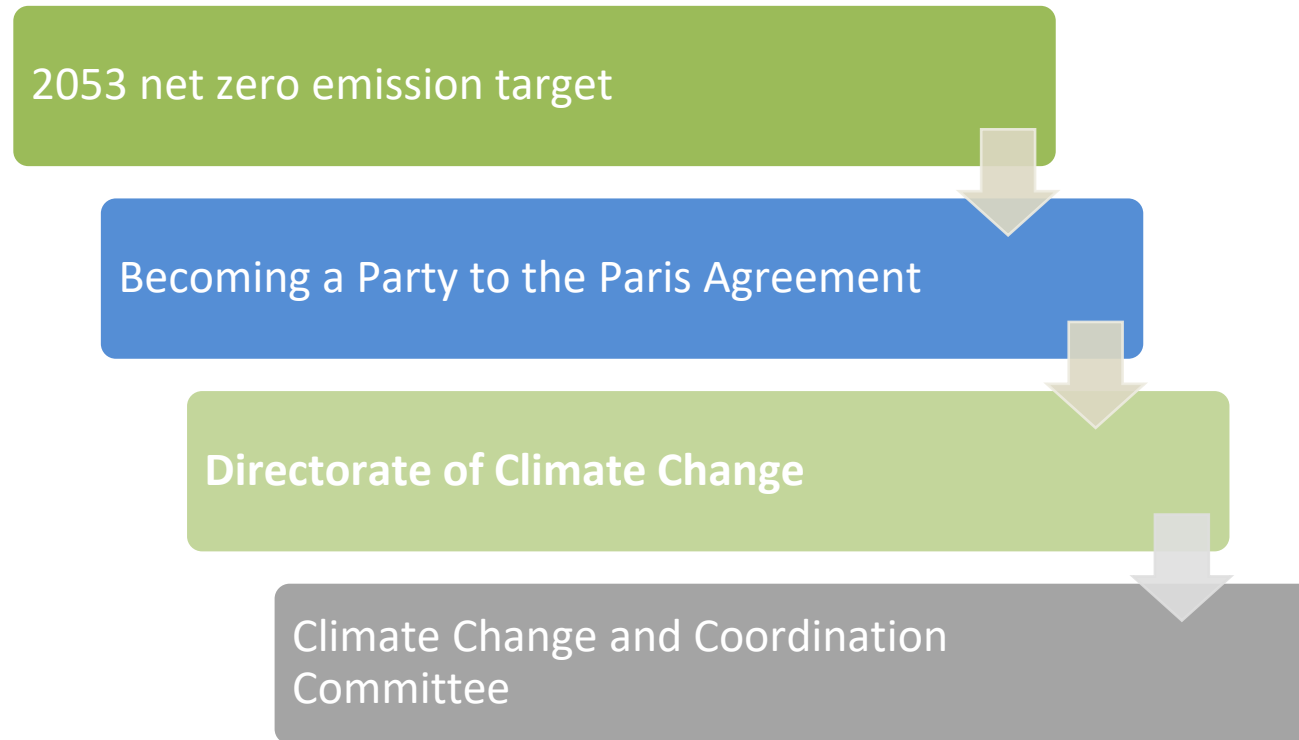




Responsibilities of the Directorate of Climate Change



INSTITUTIONAL & POLICY FRAMEWORK



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



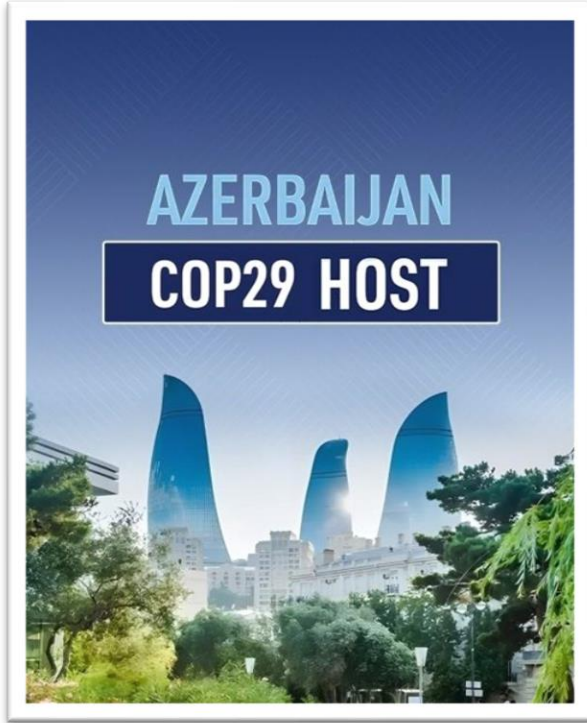
- Project on **Enhancing National Reporting System for Supporting Global Efforts on Climate Change** (IPA 3) (aimed to be TENDERED in 2024)
- Project on **Preparation of the 9th National Communication and 1st & 2nd Biennial Transparency Reports** (STARTED January 2024)
- Project on **Strengthening Türkiye's 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



29TH 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



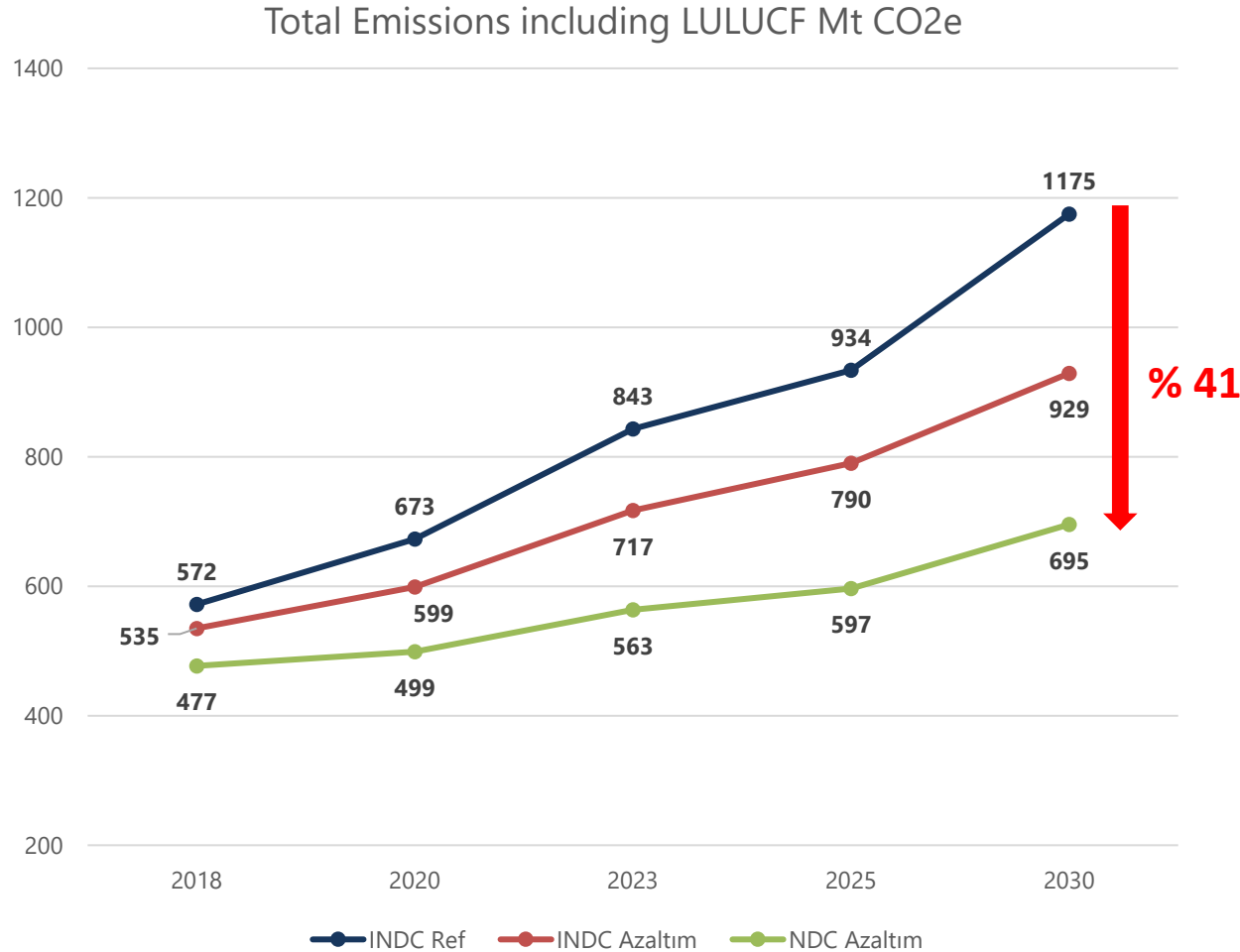
- Preparation of Updated Nationally Determined Contribution (COMPLETED, SUBMITTED)
- The 2024-2030 Climate Change Mitigation Strategy and Action Plan (COMPLETED, PUBLISHED)
- 2053 Long Term Climate Change Strategy (IN PREPARATION, DELIVERY ON NOVEMBER 2024)
- Preparation of 2nd Nationally Determined 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)



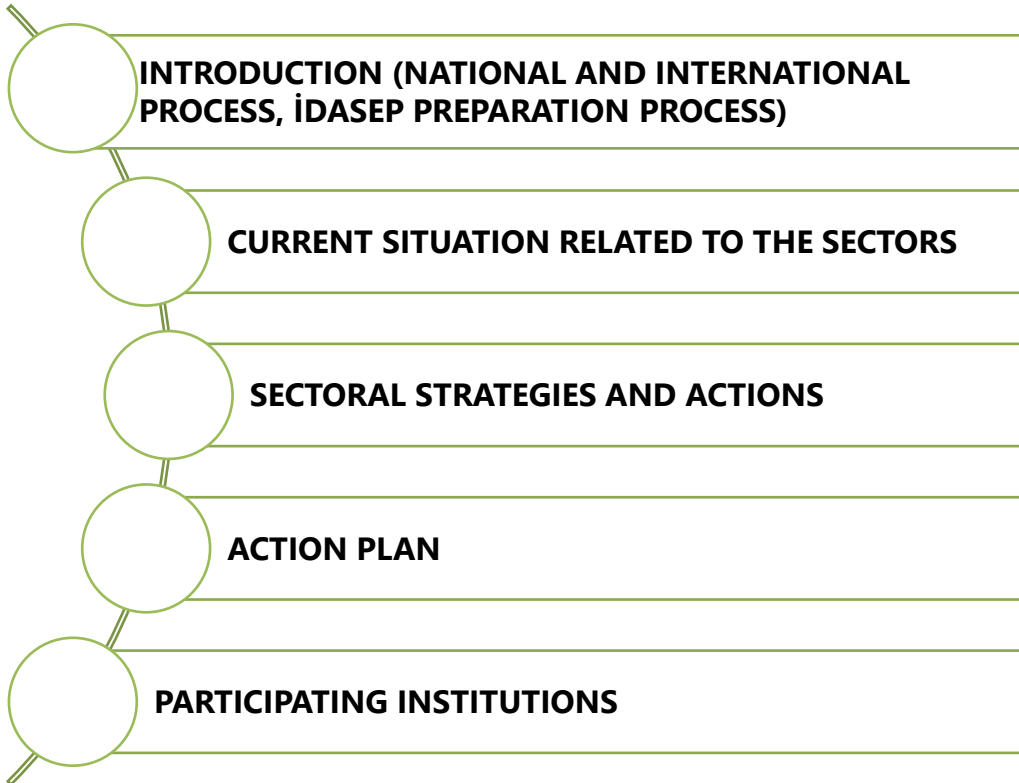
- Intended NDC has been updated and submitted to the UNFCCC Secretariat.
- 7 different sectors are modeled throughout the economy: Energy, Industry, Transportation, Agriculture, Waste, Buildings and Forestry.
- The 2030 reduction target, which was announced as 21% in 2015, was increased to 41%.



Greenhouse Gas Reduction Activities

2024-2030 Climate Change Mitigation Strategy and Action Plan

PLAN CONTENT



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:

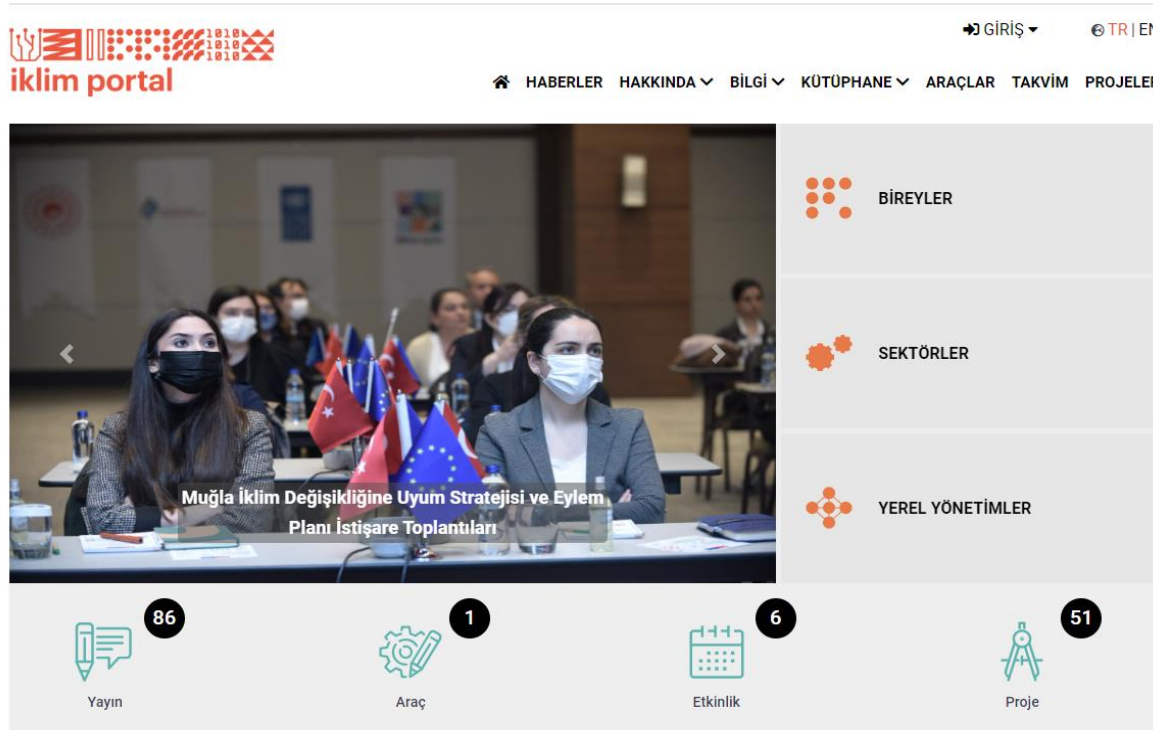
- ETS Design & Legislation Draft Studies
- Economic Modeling Studies
- Carbon Market Registration Strategy



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.

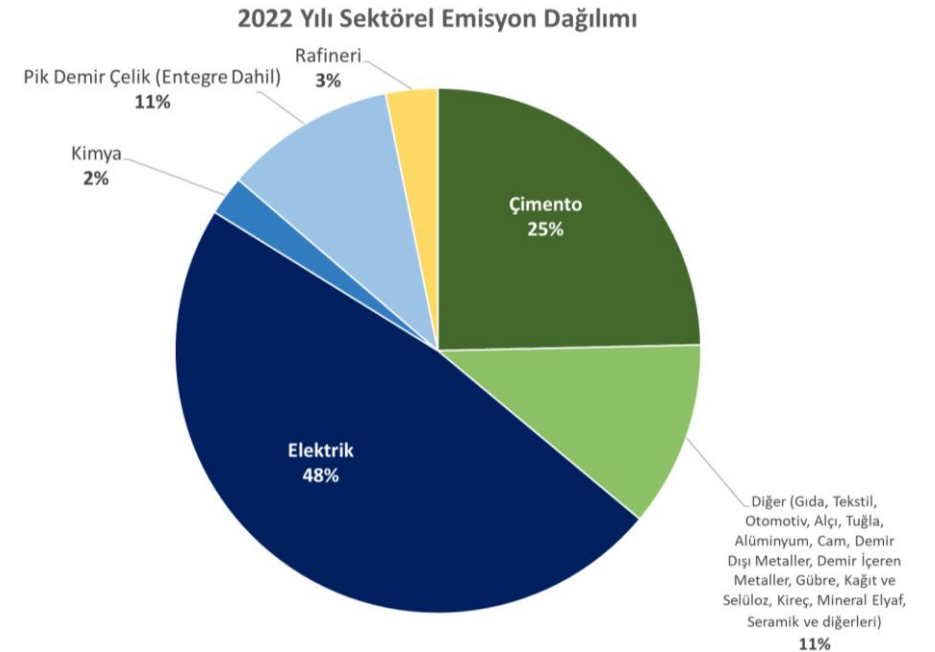


Monitoring and Reporting Activities



- 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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