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NEWSLETTER

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Together for Climate

EU Partnership for Local
Climate Action in Türkiye



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**PREPARATIONS FOR LOCAL CLIMATE CHANGE
ACTION PLANS STARTED IN 6 PILOT
PROVINCES**

CLIMATE PROJECTION STUDIES CONTINUE

**CURRENT SITUATION ASSESSMENT SURVEY
FOR LCCAP STUDIES**



**534
STAKEHOLDERS**



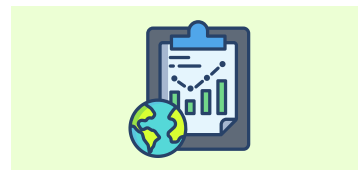
**2
WORKSHOPS**



**1
CONFERENCE**



**6
CITIES**



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REPORTS**



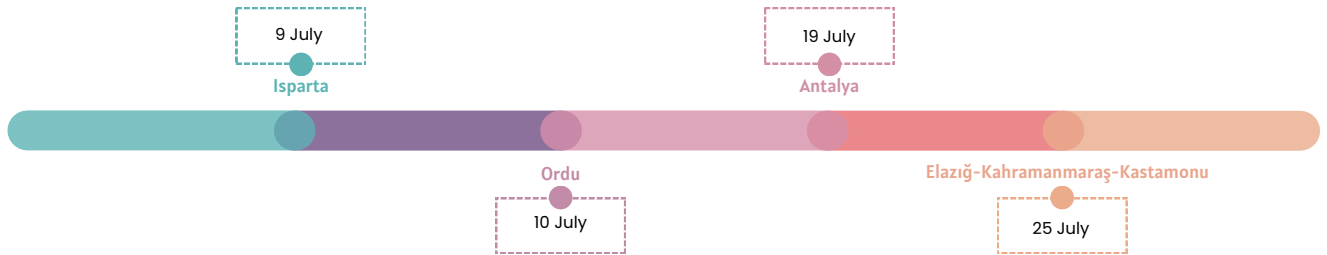
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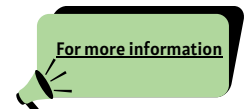
PREPARATIONS FOR LOCAL CLIMATE CHANGE ACTION PLANS STARTED IN 6 PILOT PROVINCES

Within the scope of the EU Partnership for Local Climate Action in Türkiye Project, activities have started in 6 pilot provinces to develop a Local Climate Change Action Plan (LCCAP). During the online information meetings held with relevant local stakeholders in Isparta on 9 July, Ordu on 10 July, Antalya on 19 July, and Elazığ, Kahramanmaraş and Kastamonu on 25 July, the necessity of taking important steps at the local level in combating climate change was emphasized.



Neslihan Ağartan and Esra İnce, experts from the Directorate of Climate Change of the Ministry of Environment, Urbanization and Climate Change, emphasized that climate change adaptation and greenhouse gas mitigation should be planned locally. The experts stated that local climate change action plans to be prepared in 6 pilot provinces will be disseminated to 81 provinces after the Climate Law enters into force. UNDP Türkiye Project Manager Ceren Özkan informed the stakeholders about the activities to be carried out within the scope of the project and the targeted results. Prof. Dr. Osman Balaban, Urban Climate Change Expert in the project, provided detailed information on the scientific basis of climate change and its impacts at the local level, and he discussed local climate actions and planning strategies in a comprehensive manner.

During the meetings, local stakeholders shared their observations and studies on climate change in their provinces. Within the scope of the project, surveys were organized to measure the current situation and guide capacity building activities. As an output of the meetings, the feedback received from local stakeholders contributed to a more effective understanding of regional priorities for the preparation of climate change action plans.





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CLIMATE PROJECTION STUDIES CONTINUE

Studies are underway for climate projections with a resolution of 3 km, which will be conducted for the first time in Türkiye. With the high-resolution projections introduced at the Climate Projections Awareness Raising Conference organized within the scope of the project, the local impacts of climate change will be clearly identified for municipalities and local stakeholders. With the contribution of these projections, detailed sectoral vulnerability and risk assessments will be carried out, and LCCAPs will be prepared. Through the studies conducted in 12 NUTS-1 Regions, municipalities and local stakeholders will gain significant capacity to identify sectors at risk, identify necessary measures and develop effective coping strategies. The initial outputs of the climate projections studies, namely “GCM Validation and Selection Assessment”, “WRF Model Physics Options and Sensitivity Assessment”, “WRF Weak and Strong Scaling Performance Assessment” and “Performances of the Models Previously Used for Climate Projections for Türkiye” reports will pioneer the further processes of the projection studies.

GCM Validation and Selection Assessment

This report assesses the performance of Global Climate Models (GCMs) used to improve the accuracy and reliability of climate projections in Türkiye. The report analyzes in detail the models' ability to analyze temperature and precipitation data as well as extreme climate events.

WRF Model Physics Options and Sensitivity Assessment

This report evaluates how various physical parametrization schemes of the Weather Research and Forecasting (WRF) model affect its forecasts over Türkiye. In order to improve the accuracy of the WRF model's forecasts over Türkiye, combinations of different physical schemes are examined to identify the most appropriate ones.

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WRF Weak and Strong Scaling Performance Assessment

This report examines how to construct a parallelization approach for efficient climate simulations in high-performance computing systems. Parallelization aims to reduce processing time by distributing the computational workload among multiple processors or cores. The report aims to determine the optimal number of cores and execution time for the climate model using weak and strong scaling tests.

Performances of the Models Previously Used for Climate Projections for Türkiye

This report evaluates the performance of Global Climate Models (GCM) and Regional Climate Models (RCM) used in climate projections for Türkiye. The report includes future temperature increases and changes in precipitation regime and analyzes in detail the impacts of climate change on Türkiye under the RCP 4.5 and RCP 8.5 scenarios.

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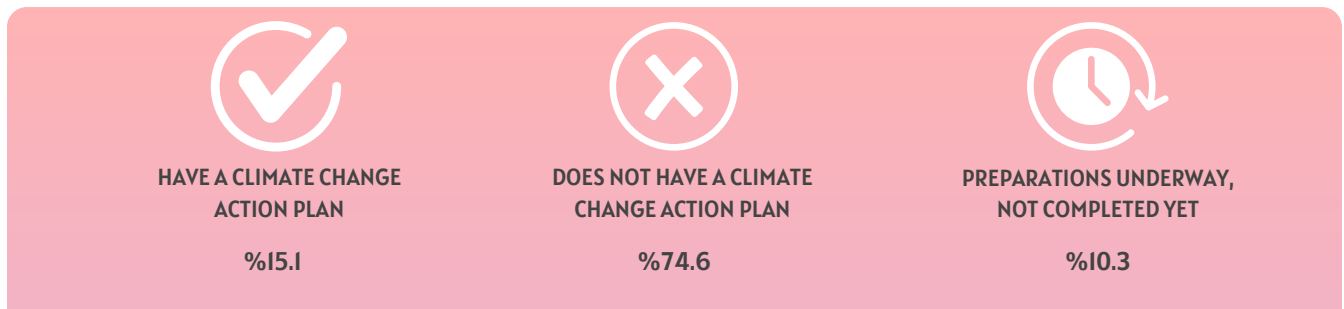
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CURRENT SITUATION ASSESSMENT SURVEY FOR LCCAP STUDIES

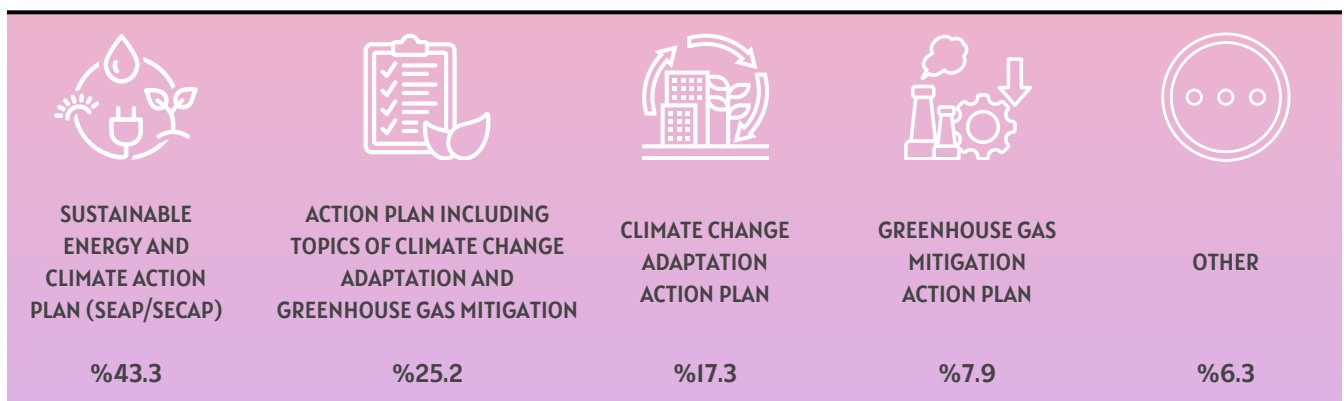
A 'Survey for Determining the Current Situation of Municipalities Regarding Local Climate Change Action Plan (LCCAP) Studies' was organized. The survey was prepared to assess the current work of municipalities on climate change and to identify their institutional capacities and areas of need. Officials from the relevant departments of the municipalities responded to the questionnaire prepared to determine the current situation of 30 metropolitan, 51 provincial and 519 metropolitan district municipalities in Türkiye.

SURVEY RESULTS

HOW MANY MUNICIPALITIES HAVE A CLIMATE CHANGE ACTION PLAN?



HOW WOULD YOU DEFINE THE TYPE OF CLIMATE CHANGE ACTION PLAN?



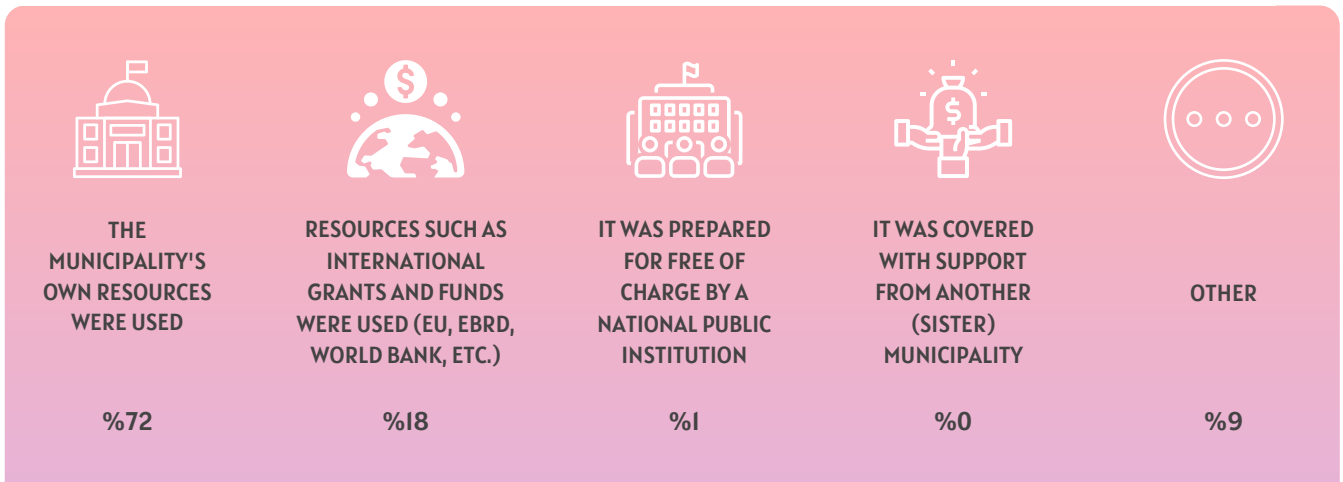
WHO PREPARED THE CLIMATE CHANGE ACTION PLANS?



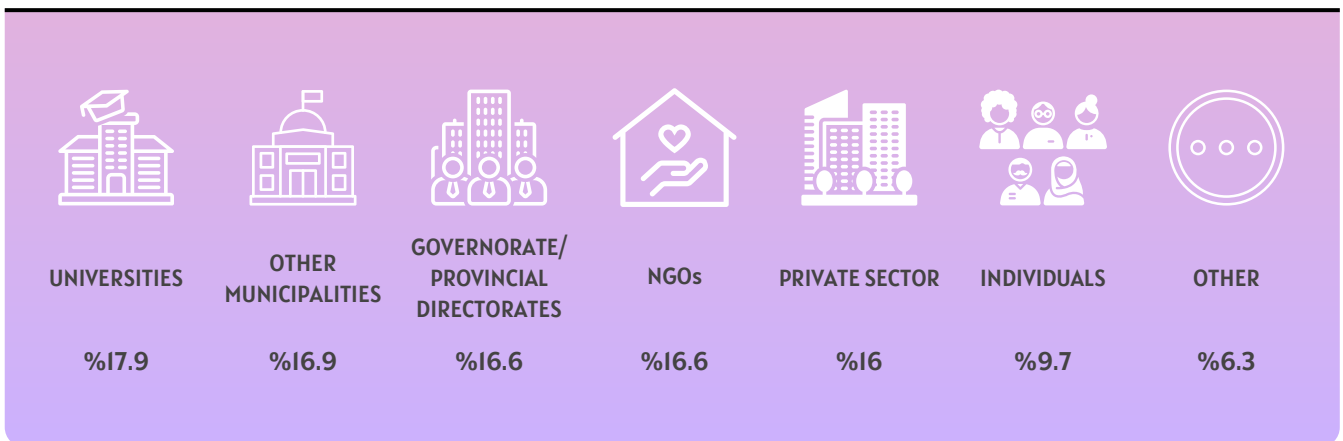


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HOW AND FROM WHERE WAS THE BUDGET FOR THE PREPARATION OF THE CLIMATE CHANGE ACTION PLAN ALLOCATED?



WHICH STAKEHOLDERS PARTICIPATED IN THE PREPARATION OF THE CLIMATE CHANGE ACTION PLAN?



The survey results will also provide important contributions to gap analysis studies to identify legal and institutional gaps for the preparation, implementation and monitoring of LCCAPs. This analysis will help to develop the support mechanisms necessary for local governments to play a more effective role in combating climate change.



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ABOUT PROJECT

EU Partnership for Local Climate Action in Türkiye Project, funded by the European Union under the Instrument for Pre-Accession Assistance-III (IPA III) Funds and implemented by United Nations Development Programme, launched on 1 May 2023. The End Recipient is the Ministry of Environment, Urbanization and Climate Change Directorate of Climate Change.

The project, which has a duration of 60 months, aims to support Türkiye in its efforts to combat climate change through increased implementation capacity at the local level and to sustainable, low-carbon, and climate-resilient development. Project's objectives are to:

- Improve climate risk assessment capacity at local, regional and national levels
- improve local climate action planning capacity
- Enhance local decision-making and implementation capacity for climate action
- Improve public awareness and local stakeholder capabilities and collaboration to implement climate actions
- Provide technical assistance to climate change grant programme

The target groups are the public institutions, municipalities, local administrations, regional and provincial directorates, development agencies, chambers, unions, universities, research institutes and civil society organizations. The target groups of the operation include all relevant local stakeholders and citizens.

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