



This Project is co-financed by
the European Union and the Republic of Türkiye.

Climate Change Adaptation Grant Program



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE of
CLIMATE CHANGE



Climate Change
Adaptation





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The project “Enhancing Adaptation Action in Turkey” started on 8 October 2019, and is funded by the European Union and the Republic of Türkiye under the Instrument for Pre-Accession Assistance-II (IPA II) Funds. The project is implemented by the United Nations Development Programme (UNDP) Türkiye Country Office, and the Contracting Authority is the Directorate General for European Union and Foreign Affairs of the Ministry of Environment, Urbanization and Climate Change. The final beneficiary is the Directorate of Climate Change of the Ministry of Environment, Urbanization and Climate Change. The budget of the project is 4,225,000 Euros.

The general objective of the project is to increase societal resilience through strengthening climate change adaptation, particularly at the sectoral and urban levels.

In the context of creating an enabling environment for the implementation of climate change adaptation actions in Türkiye, the specific objectives of the project are defined as follows:

- Developing better decision-making tools for national climate change adaptation policies
- Providing urban adaptation planning solutions (local climate change adaptation strategies and action plans)
- Capacity building and networking activities for climate change adaptation with the EU and the international community
- Launching the Climate Change Adaptation Grant Program.

It was created to support the implementation of climate change adaptation actions at the local and

regional levels in Türkiye.

The Climate Change Adaptation Grant Program aims to enhance the resilience of communities, protect natural resources and ecosystems, and increase the adaptive capacities of vulnerable social groups, cities, and economic sectors.

Through the call for proposals, the program addresses municipalities, regional and provincial directorates, regional development agencies, civil society organizations, universities, research institutions, community-based organizations, chambers, and unions in Türkiye and the EU. The overall objective of the call for proposals is to improve climate change adaptation in Türkiye.

The specific objective is to increase the resilience of communities and cities, protect natural resources and ecosystems, and enhance the adaptive capacity of vulnerable economic sectors.

The budget of the Climate Change Adaptation Grant Program is approximately 6,800,000 Euros, divided into Lot 1 (€100,000 - €150,000) and Lot 2 (€150,000 - €450,000). Applications for the Climate Change Adaptation Grant Program were accepted starting from October 14, 2020, and closed on December 28, 2020. During this period, a total of 1000 applications were received, and 29 projects were selected for grants under Climate Change Adaptation Grant Program and began implementation in December 2023.

In line with these priorities, 29 projects from 16 different provinces (İstanbul, Kocaeli, İzmir, Ankara, Tekirdağ, Kırklareli, Bartın, Mersin, Van, Hatay, Antalya, Eskişehir, Balıkesir, Niğde, Malatya, Sinop) were awarded grants.

The implementation periods for the projects range from 12 to 18 months.





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PROGRAM PRIORITIES

Priority 1

Developing local climate project plans and strategies and/or preparing decision-making tools (modeling, impact and vulnerability analysis, etc.)

Priority 3

Increasing the resilience of sectors affected by climate change

Priority 2

Avoiding and reducing exposure to climate-related risks (water scarcity, drought, forest fires, floods, extreme weather events, etc.)

Priority 4

Enhancing the exchange of knowledge and experience on adaptation among organizations and cities in Türkiye and/or the EU for the creation and/or implementation of innovative technologies and systems compatible with climate change





Table 1. Climate Change Adaptation Grant Program: Budget

Project	Project Duration (Months)	EU Funding (Euro)	Co-funding (Euro)	Total Budget (Euro)
CCAGP/041 – Strengthening the Climate Change Adaptation through the Mapping of Seagrass Meadows for Marine Protection Areas in the Black Sea	18	143,846.42	159.82,94	159,829.36
CCAGP/055 – C’Localization – Localization for Climate Change Adaptation	18	132,000.00	18,000.00	150,000.00
CCAGP/067 – Malatya Metropolitan Municipality of Social Consciousness and Awareness Raising Project with the Preparation Climate Change Adaptation Action Plan	15	317,780.3	56,078.88	373,859.19
CCAGP/073 – Application and Expansion of Climate Change Resilient Agricultural Production Model in Eskişehir Province	18	134,904.35	15,056.02	149,960.38
CCAGP/081 – Development of Polatlı Climate Change Adaptation Action Plan	18	359,118.96	39,990.80	399,109.76
CCAGP/085 – Implementing a Climate Change Adaptation Strategy to Create Economic Opportunities for Rural Women	18	130,936.54	14,548.50	145,485.04
CCAGP/088 – Land Degradation Neutrality for Climate Change Adaptation in TR21 Trakya Region	18	311,915.7	34,657.30	346,573.00
CCAGP/090 – STORMLOG (Sustainable Transportation and Water Management in Local Governmental Services) Project	18	449,913.57	49,990.40	499,903.97
CCAGP/094 – To Improve the Competitiveness and Climate Change Adaptive Sustainability of Rural Areas, Young and Women Farmers	18	98,990.83	10,998.98	109,989.81



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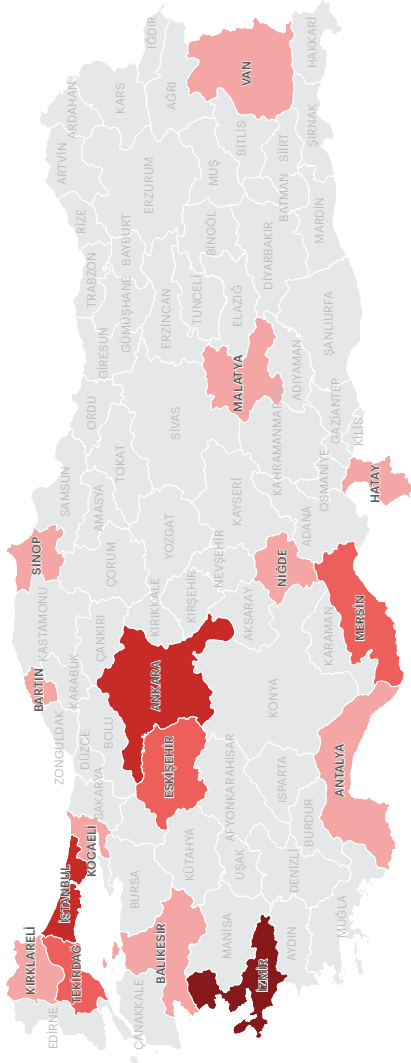
Project	Project Duration (Months)	EU Funding (Euro)	Co-funding (Euro)	Total Budget (Euro)
CCAGP/095 – Cleaner Production for Climate Change Adaptation	18	98,911.07	10,990.12	109,901.19
CCAGP/097 – All in Green Creation a Climate – Resilient Neighborhood in the Industrial Town	18	206,879.32	22,986.60	229,865.92
CCAGP/121 – Climate Change Vulnerability Assessment of Urban Coastal Districts in Izmir	18	147,644.21	16,404.91	164,049.12
CCAGP/133 – Enhancing Adaptive Capacity of Manufacturing Sectors Vulnerable to Climate Change Through Risk Assessment (ClimaTech 4 Industry)	18	149,008.68	16,574.92	165,583.60
CCAGP/135 – Masters of the Drought	18	130,255.38	14,472.82	144,728.20
CCAGP/141 – Improving Efficiency & Reliability in Urban Water Distribution Systems for Combating Climate Change	18	371,898.57	61,347.67	433,246.24
CCAGP/158 – Make A Move For Adaptation To Climate Change	18	404,138.05	44,904.23	449,042.28
CCAGP/206 – Assessment of Climate Change Impacts on Food Safety and Enhancing the Resilience of Rural Communities	18	449,418.1	60,473.10	509,891.20
CCAGP/231 – Building Community Resilience to Natural Hazards and Climate Change in Local and Regional Areas (Resilience Action Academy)	18	435,198.96	48,355.44	483,554.40
CCAGP/251 – Forest Ecosystem Services for Societal Adaptation in Istanbul Regional Directorate of Forestry	18	419,999.6	93,407.80	513,407.40



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Project	Project Duration (Months)	EU Funding (Euro)	Co-funding (Euro)	Total Budget (Euro)
CCAGP/311 – An Urban Water Resilience Approach to Enhancing Climate Change Adaptation in Turkish Cities	18	126,709.77	14,172.79	140,882.56
CCAGP/342 – Promoting Resilience And Adaptation To Climate Change By Preventing Water Lost	18	149,815.59	16,668.01	166,483.60
CCAGP/418 – Increasing Adaptation of Hatay to Climate Change Particularly in Terms of Forest Fires	15	147,440.7	16,382.30	163,823.00
CCAGP/420 – Climate Smart Farms: A Model for Adaptation of Agriculture to Climate Change	18	149,366.08	16,596.23	165,962.31
CCAGP/469 – Adaptation Of Agriculture And Fisheries Sectors To Climate Change	18	261,797.33	40,125.55	301,922.88
CCAGP/558 – Hear the Plants’ Voice, Adapt for Climate Change	18	134,990.02	14,998.89	149,988.91
CCAGP/560 – Plan Bee: Increasing the Adaptation Capacity of Istranca Beekeeping to Climate Change	18	145,357.17	17,965.49	163,322.66
CCAGP/611 – Predicting the Distribution of Future Basic Forest Tree Species Using Different Climate Projections and Developing Adaptation Strategies for Türkiye	18	177,286.37	19,698.49	196,984.86
CCAGP/746 – Climate Change Adaptation Strategies: Reducing the Risks of Flooding and Water Scarcity in Bartın	18	398,695.92	85,334.57	484,030.49
CCAGP/867 – Adapting Our Future to Climate Change	12	142,716.06	16,903.74	159,619.80

Provinces Receiving Grants



Grant Distribution (Number of Grants)



Total

Beneficiary	Number
University	19
Municipality Public	7
Institution	18
CSOs	32
Development Agency	1

In addition, the status of

Co-Beneficiary:

11 University

1 Municipality

12 Public Institutions

24 CSOs

Statistics

Beneficiary	Number
University	8
Municipality	6
Public Institution	6
CSOs	8
Development Agency	1



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Projects





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CCAGP/158 Make a Move for Adaptation to Climate Change	CCAGP/206 Assessment of Climate Change Impacts on Food Safety and Enhancing the Resilience of Rural Communities	
CCAGP/231 Building Community Resilience to Natural Hazards and Climate Change in Local and Regional Areas (Resilience Action Academy)	CCAGP/251 Forest Ecosystem Services for Societal Adaptation in İstanbul Regional Directorate of Forestry	
CCAGP/311 An Urban Water Resilience Approach to Enhancing Climate Change Adaptation in Turkish Cities	CCAGP/342 Promoting Resilience And Adaptation To Climate Change By Preventing Water Lost	CCAGP/418 Increasing Adaptation of Hatay to Climate Change Particularly in Terms of Forest Fires
CCAGP/420 Climate Smart Farms: A Model for Adaptation of Agriculture to Climate Change	CCAGP/469 Adaptation Of Agriculture And Fisheries Sectors To Climate Change	CCAGP/558 Hear the Plants' Voice, Adapt for Climate Change
CCAGP/560 Plan Bee: Increasing the Adaptation Capacity of Istanca Beekeeping to Climate Change	CCAGP/611 Predicting the Distribution of Future Basic Forest Tree Species Using Different Climate Projections and Developing Adaptation Strategies for Türkiye	
CCAGP/746 Climate Change Adaptation Strategies: Reducing the Risks of Flooding and Water Scarcity in Bartın	CCAGP/867 Adapting Our Future to Climate Change	



Strengthening the Climate Change Adaptation through Mapping of Seagrass Meadows for Marine Protection Areas in the Black Sea

Project Objective

The objective of the project is to identify marine protected areas through mapping seagrass meadows in the Black Sea (off the coast of Sinop), to prevent risks related to climate change, reduce exposure, and increase the resilience of the fisheries, biodiversity, and environmental sectors. This involves developing local climate strategies for the main fishing industry and expanding the knowledge base of society on climate change adaptation in Türkiye through awareness-raising activities, as well as increasing the exchange of adaptation knowledge and experience between organizations within Türkiye and the EU for the implementation of Marine Protected Areas (MPAs) covering seagrass meadows.

Preparation of a guidebook including i) proposed MPAs, ii) seagrass maps, iii) seagrass abundance, and iv) biodiversity in seagrass habitats along the coast of the Black Sea in Sinop.

- Determination of sea surface temperature (SST) and chlorophyll pigment concentration from past to present in the Black Sea.
- Seminars (for fishermen, local governments, and relevant CSOs) and training (75 hours for 300 students).
- An award-winning photo contest themed "Life of the Black Sea, Seagrass Meadows, MPAs, and Climate Change Adaptation."

Main Project Activities

- Identification and establishment of MPAs: Determining the distribution of seagrass meadows along the coast of Sinop, mapping the distribution of seagrass meadows along the coast of Sinop, and developing a good MPA implementation supported by Artificial Reefs (ARs) along the Sinop coast, preparing and initiating ARs. Preparation of a book containing seagrass maps and MPAs.
- Monitoring: Monitoring the distribution and abundance of seagrass meadows along the coast of Sinop. Monitoring biodiversity in the habitats of seagrass meadows along the coast of Sinop.

Beneficiary

Sinop University

Project Location

Sinop/Türkiye

Co-Beneficiaries

Mare Nostrum Organizatia Ecologista Neguvernamentala "Mare Nostrum" Constanta (Romania)

Sinop Provincial Special Administration

Project Duration

18 months

Project Budget

€159,829.36

CCAGP/041





C'LOCALIZATION

Localization for Climate Change Adaptation

Project Objective

The objective of the project is to develop a participatory climate change adaptation strategy for the Konak district, to increase the resilience of the sectors operating in the Konak district against climate change, and to transform this process into a national and international information and experience sharing network through innovative digital channels that will guide local strategies.

Main Project Activities

- Monitoring visits by the project team to four local administrations in two EU countries that develop and implement climate change adaptation strategies
- Preparation of the "Guide and Exercise Set for Preparing Climate Change Adaptation Strategies" in line with the EU Climate Change Adaptation Strategy, the UN Framework Convention on Climate Change, and the Climate Change Adaptation Strategy and Action Plan (2011-2023) of the Ministry of Environment, Urbanization and Climate Change of the Republic of Türkiye.
- Dissemination of such implementation to sector representatives affected by climate change (private sector, municipal units and affiliated organizations, trade unions, CSOs, etc.) and groups affected by social injustice (women, children, youth, disabled people and refugees, etc.).
- Organizing modeling workshops to develop separate climate change adaptation strategies for sectoral representatives and horizontal adaptation groups.

- Preparation of the "Konak Climate Change Adaptation Strategy".
- Preparation of an implementation plan in line with the strategy and conducting field studies.
- Conducting a promotional campaign to ensure the visibility of the strategy at the local level
- Adding the information obtained from monitoring studies, the "Konak Climate Change Adaptation Strategy," visibility materials for implementations to be carried out in line with the strategy, and a guide for institutions wishing to prepare local climate change adaptation strategies to the digital portal to be created within the context of the project.
- Including national and international studies on the digital portal and sharing information and experiences for climate change adaptation.

Beneficiary

Konak Municipality

Project Location

Konak/Izmir/Türkiye

Co-Beneficiaries

Social Climate Association (Türkiye)

Project Duration

18 months

Project Budget

€150,000.00

CCAGP/055





Malatya Metropolitan Municipality of Social Consciousness and Awareness Raising Project with the Preparation Climate Change Adaptation Action Plan

Project Objective

The objective of the project is to plan and develop actions to improve the adaptation and resilience of Malatya province to climate change, to increase the operational capacity of the organization by reducing exposure to climate change-related risks and adverse effects, and to expand the knowledge base in society by raising awareness and consciousness about climate change in Malatya province.

Main Project Activities

- Increasing the operational capacity of Malatya Metropolitan Municipality by purchasing 30 motor pumps and 30 submersible pumps and equipment to ensure water drainage in buildings during floods and heavy rains
- Implementing measures to prevent energy fluctuations at signalized intersections during extreme weather conditions such as heavy rain, floods, storms, extreme cold or hot weather
- Conducting a pilot project on smart agricultural irrigation systems over an area of 10,000 m² to mitigate the risk of water scarcity (automatic soil moisture measurement and controlled irrigation)
- Promotion and visibility activities
- Implementation of the climate change adaptation action plan for Malatya Metropolitan Municipality, including mitigation activities
- Providing awareness-raising training on climate change and its impacts (training 200 women living in rural areas on the impact of drought on agriculture)

Beneficiary

Malatya Metropolitan
Municipality

Project Location

Malatya/Türkiye

Project Duration

15 months

Project Budget

€373,859.19

CCAGP/067





Application and Expansion of Climate Change Resilient Agricultural Production Model in Eskişehir Province

Project Objective

The objective of the project is to implement and disseminate a climate-resilient agricultural production method at the village level, using conservative agricultural techniques such as soil conservation, rainwater harvesting, direct planting methods, efficient use of water with limited resources, and increasing biodiversity and control.

Main Project Activities

- Pilot implementation of conservative agriculture in Eskişehir province
 - Procurement of direct seeding machines for use in agricultural activities, and provision of agricultural inputs such as seeds, fertilizers (water trap, Leonardite, etc.), and pesticides after production planning, followed by planting applications
 - Construction of ditches, feeding and geomembrane ponds, and installation of pressurized irrigation systems in designated areas
 - Implementation of agroforestry practices in agricultural environments and afforestation with trees, fruit trees and shrubs
 - Planning for the implementation of biological control methods
 - Planning to increase biodiversity, creating reserve areas
 - Pasture improvement works

- Training and publication activities
 - Theoretical and practical training for technical staff of the Ministry's
 - central and provincial organizations, as well as co-applicants
 - Workshops for farmer training and Field Days for publications
 - Procurement of necessary equipment for use in training and publication activities
 - Printing and distribution of brochures, leaflets and booklets

Beneficiary

Eskişehir İl Tarım ve Orman Müdürlüğü

Project Location

Eskişehir/Türkiye

Co-Beneficiaries

Eskişehir Odunpazarı Chamber of Agriculture,
Sakaryabaşı Irrigation Union (Türkiye)

Project Duration

18 months

Project Budget

€149,960.38

CCAGP/073





Development of Polatlı Climate Change Adaptation Action Plan

Project Objective

The objective of the project is to facilitate progress in implementing various measures to increase Polatlı Municipality's climate change adaptation actions within the scope of climate change.

roadside afforestation, recreation areas, parks, and bike paths, implementing pedestrian walkways, green spaces, and afforestation practices, etc.)

- Evaluating the socio-economic, socio-cultural, and socio-ecological development status of the area before and after demo activities
- Enhancing institutional capacity based on visibility, awareness, and the implementation of climate change adaptation measures
 - Identifying target groups for awareness and capacity-building activities
 - Developing a curriculum and work plan for awareness and capacity-building activities
 - Conducting at least 10 capacity-building and awareness-raising activities on climate change adaptation (250 stakeholders and 1000 citizens)
- Developing a communication and visibility strategy
- Publishing PR materials
- Developing a new web page under the Polatlı Municipality website

Main Project Activities

- Climate profile analyses
 - Reviewing institutional structures and gap analyses to strengthen existing climate actions and conducting gap analyses
 - Assessing the impact of climate change in Polatlı
 - Conducting risk, vulnerability, and opportunity assessments
 - Preparing climate change projections
- Developing climate change adaptation strategies and activities identified by sector
 - Identifying key economic sectors and stakeholders, including disadvantaged sectors and stakeholders
 - Identifying intersecting vulnerable areas and disadvantaged groups and sectors
 - Developing climate change adaptation strategies and defined actions
 - Conducting online stakeholder engagement and consultation meetings ensuring gender equality
- Demonstrating priority best adaptation practices at demo sites
 - Selecting demo sites
 - Developing a business plan and procurement plan for demo sites
 - Procuring goods and services for demo sites
 - Promoting visibility activities (supporting climate-friendly urban practices such as

Beneficiary

Polatlı Municipality

Project Location

Polatlı/Ankara

Co-Beneficiaries

Tohum Education, Culture and Nature Association (Türkiye)

Project Duration

18 months

Project Budget

€399,109.76

CCAGP/081



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Implementing a Climate Change Adaptation Strategy to Create Economic Opportunities for Rural Women

Project Objective

The objective of the project is to increase the resilience capacity of the public and to protect soil for productive agriculture under changing climate conditions through compost production, practical agricultural applications, rainwater harvesting, and educational activities for women and children implemented in selected rural areas of Niğde.

- Establishing social media accounts to ensure effectiveness and facilitate the sale of organic products grown by women in rural gardens
- Publicly displaying the composts created at the end of the program
- Supporting climate adaptation efforts through written, visual and social media activities

Main Project Activities

- Organizing training for imams and village headmen on climate adaptation and the importance and efficient use of water resources for the village
- Organizing training in villages and village schools on the efficient use of water resources and rainwater
- Organizing training for women in rural areas on climate adaptation, the importance and efficient use of resources, compost production, and organic farming practices
- Providing practical explanations of composting techniques in rural areas, closely monitoring and implementing applications in women's gardens and compost production (compost workshops in rural women's gardens)
- Conducting analyses to determine the contents of composts

Beneficiary

Niğde Ömer Halisdemir University

Project Location

Niğde/Türkiye

Co-Beneficiaries

Çukurova University

Project Duration

18 months

Project Budget

€145,485.04

CCAGP/085



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Climate Change
Adaptation





Land Degradation Neutrality for Climate Change Adaptation in TR21 Trakya Region

Project Objective

The objective of the project is to prevent and reverse land degradation, combat desertification, and set Land Degradation Neutrality (LDN) targets in line with the UNDP Sustainable Development Goal (Article 15).

Main Project Activities

- Developing a GIS-based software for researching and monitoring land degradation and integrating it into the existing integrated system as a Decision Support System
- Creating an integrated database containing LDN targets and all necessary data for the adaptation of agricultural production to climate change in the Thrace region
- Including public authorities in information exchange and universities in R&D activities for feasible, adequate and sustainable agricultural production
- Raising societal awareness on land degradation and climate change adaptation by developing an action plan and capacity-building program

Beneficiary

Tekirdağ Namık Kemal University

Project Location

Tekirdağ/Türkiye

Co-Beneficiaries

Edirne Provincial Directorate of Agriculture and Forestry

Tekirdağ Provincial Directorate of Agriculture and Forestry

Kırklareli Provincial Directorate of Agriculture and Forestry

Project Duration

18 months

Project Budget

€346,573.00

CCAGP/088





STORMLOG

(Sustainable Transportation and Water Management in Local Governmental Services) Project

Project Objective

The objective of the project is to enhance the resilience of communities and cities to the climate crisis by adapting new technologies and increasing the exchange of adaptation knowledge and experience among institutions and organizations in Türkiye, and implementing innovative climate change adaptation technologies and systems.

- Pilot demonstration actions for the reuse of water in water-intensive public works such as public green spaces and pools
- Pilot actions for the integration of renewable energy on-site for public works and the transformation to Electric Vehicles in urban areas
- Capacity-building activities for municipalities and the public sector (workshops and webinars)
- Disseminating best practices through field trips and workshops by collaborating with cities within Türkiye and the EU

Main Project Activities

- Identifying and monitoring the impact of climate change at the local level
- Developing a Guide for Urban Assessment Systems for Sustainability
- Developing local climate action plans and strategies for highly urbanized areas using the Bornova Municipality Example
- Conducting awareness-raising workshops, webinars and short training sessions for different age groups and youth
- Creating guides and practical application books on reducing water usage for different stakeholder groups: the general public, farmers, public institutions
- Developing a roadmap for Urban Electrification
- Developing a roadmap for adapting infrastructure to water scarcity
- Exchanging knowledge and experience on climate adaptation between Europe and Türkiye

Beneficiary

Bornova Municipality

Project Location

Bornova (Izmir and Aegean Region)

Co-Beneficiaries

Energie Cites (France),

Yaşar University

Project Duration

18 months

Project Budget

€499,903.97

CCAGP/090





To Improve the Competitiveness and Climate Change Adaptive Sustainability of Rural Areas, Young and Female Farmers

Project Objective

The objective of the project is to establish a production portal adapted to climate change for young and female farmers, to prepare the necessary documents to implement the EQF (European Qualifications Framework) recommendations in vocational training for the agricultural sector, to establish a communication network for Balıkesir farmers, and to create a structure that will sustain climate change and its effects on agricultural production.

- Organizing a workshop on sustainable competitive agriculture and climate change, conducting awareness activities in schools, and organizing a competitive agriculture fair
- Visiting one of the best agricultural examples in Europe with one project team member and four young farmers selected through a competition
- Creating a sustainable, competitive, and climate-adapted agricultural portal for young and female farmers
- Organizing national dissemination activities related to ongoing project outputs

Main Project Activities

- Establishing the project management structure
- Setting up and sharing systems for electronic data and information sharing (internal communication, restricted area portal, digital conferences) along with administrative guidelines and operations
- Providing access to the database for young and female farmers in Balıkesir
- Establishing an online communication network with the target group
- Collecting sustainable and competitive information and documents compatible with climate change, including good practice examples from national and international arenas

Beneficiary

Balıkesir Businessmen and Industrialists Association (BASİAD)

Project Location

Balıkesir/Türkiye

Project Duration

18 months

Project Budget

€109,989.81

CCAGP/094





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Cleaner Production for Climate Change Adaptation

Project Objective

The objective of the project is to determine the needs and requirements of local industry in terms of climate change adaptation, to increase the technical capacity of chambers and producers on climate change adaptation, to reduce incorrect and inefficient industrial practices that contribute to climate change, to raise awareness among chamber staff and member companies about climate change adaptation, and to enhance social dialogue and sharing among project partners and target groups.

- Developing a Capacity Building Module in Industrial Symbiosis (IS Training and Consultancy Program)
- Organizing a delegation visit to examine good practices in Spain
- Establishing a climate change adaptation support desk at Eskişehir Chamber of Industry

Main Project Activities

- Conducting a survey to analyse climate change adaptation needs
- Transferring good practices from the project partner
- Developing a Capacity Building Module in Clean Production (Clean Production Training and Consultancy Program)
- Developing a Capacity Building Module in Eco-Efficiency (Eco-Efficiency Training and Consultancy Program)

Beneficiary

Eskişehir Chamber of Industry

Project Location

Eskişehir/Türkiye – Barcelona/Spain

Co-Beneficiaries

Cambra Oficial De Comerç, Indústria i Navagacio De Barcelona (Spain)

Project Duration

18 months

Project Budget

€109,901.19

CCAGP/095





All in Green Creation a Climate – Resilient Neighborhood in the Industrial Town

Project Objective

The objective of the project is to enable Çerkezköy create its own climate change adaptation plan with the cooperation of all stakeholders and the participation of citizens, to strengthen green practices with various activities to prevent or reduce the impact on sectors and citizens in the district, to increase knowledge and awareness about climate change and adaptation among key groups such as women, youth, children and industrialists, which will result in employment, development of new projects, and collaborations, and to shape the future of the district with the participation of all stakeholders and implement good examples of climate change adaptation with stakeholders.

Main Project Activities

- Green Urban Infrastructure Applications: Conducting pilot applications on Porous Pavement, Bioswale, Rain Garden,
- Green Roof, and Edible Garden
- Preparing the Çerkezköy Climate Change Adaptation Plan
- Providing Climate Change Adaptation Training
- Establishing an industrial stakeholder platform
- Conducting a study visit to Copenhagen
- Planning awareness-raising activities

Beneficiary

Çerkezköy Municipality

Project Location

Çerkezköy/Tekirdağ/Türkiye

Co-Beneficiaries

Campus Civil Society, Culture and Education Association (KASSKED)

Project Duration

18 months

Project Budget

€229,865.92

CCAGP/097



Climate Change Vulnerability Assessment of Urban Coastal Districts in İzmir

Project Objective

The objective of the project is to identify the impacts and climate risks of climate change in urban coastal districts of İzmir, determine the vulnerability of sectors (urban infrastructures, ecosystems, agriculture, health) due to climate risks, to develop targeted nature-based adaptation options for vulnerable sectors, and to raise awareness about the impacts of climate change and nature-based solutions (NBS).

Main Project Activities

- Analyzing and mapping climate related risks
- Conducting sectoral vulnerability assessments and developing vulnerability maps
- Developing a set of nature-based adaptation options and identifying co-benefits
- Conducting training and awareness-raising activities

Beneficiary

Ege University

Project Location

İzmir/Türkiye

Co-Beneficiaries

Society for Urban Ecology-SURE (Austria)

Project Duration

18 months

Project Budget

€164,049.12

CCAGP/121





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CLIMATECH 4 INDUSTRY

Enhancing Adaptive Capacity of Manufacturing Sectors Vulnerable to Climate Change Through Risk Assessment

Project Objective

The objective of the project is to enhance cooperation between academia and industry to exchange knowledge on climate change adaptation to develop the adaptation capacity of the manufacturing sectors by assessing the expected sectoral vulnerabilities and socio-economic risks of climate change impacts, identifying adaptation options, and strengthening resilience, and to identify climate-sensitive sectors (Textile Products Industry / Wood, Paper, and Furniture Products Industry / Food Products Industry) in the Istanbul-based manufacturing industry.

with sectoral advisory boards, holding climate change adaptation webinars (with 400 participants), evaluating and analyzing data collected from climate-sensitive sectors and companies, and preparing climate change adaptation plans for selected climate-sensitive sectors (with 60 participants)

- Finalizing a report (policy document) for policymakers to facilitate the adaptation of selected climate-sensitive sectors in the manufacturing industry

Main Project Activities

- Conducting fundamental research and needs analysis, establishing sectoral advisory boards, developing a climate change risk assessment methodology, preparing surveys for climate change risk assessment, and preparing surveys and self-assessment guides, providing mini MBA training, developing content and curriculum, and providing capacity-building training for ISO personnel
- Planning and organizing site visits to 40 manufacturing firms in selected climate-sensitive sectors, providing mini MBA training on climate change adaptation (with 60 participants), collecting information from climate-sensitive sectors, conducting roundtable meetings

Beneficiary

İstanbul Sanayi Odası

Project Location

İstanbul/Türkiye

Co-Beneficiaries

Türkiye Bilimsel ve Teknolojik
Araştırma Kurumu Marmara
Araştırma Merkezi (TÜBİTAK MAM)

Project Duration

18 months

Project Budget

€165,583.60

CCAGP/133



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE OF
CLIMATE CHANGE



Climate Change
Adaptation





Masters of the Drought

Project Objective

The objective of the project is to identify local agricultural techniques compatible with climate change to develop existing local/traditional agricultural methods (including livestock farming) that are already adapted to harsh climate conditions by integrating modern technology and knowledge, and to create a database to connect the older generation, who are forced to produce climate-friendly agricultural products, with the new generation.

Main Project Activities

- Working with experienced farmers to utilize existing climate-friendly and climate-type land uses through implemented/local land practices
- Engaging and informing youth in each area
- Producing documentary films with the knowledgeable older generation about climate-friendly agriculture
- Updating local knowledge with the latest technologies
- Creating an online data resource for young farmers
- Disseminating project results with ministries, decision-makers, local farmers and CSOs

Beneficiary

TEMA Foundation - The Turkish Foundation for Combating Soil Erosion, Reforestation and the Protection of Natural Habitats

Project Location

Yeşilyurt, Ereğli ve Beyşehir/Konya/Türkiye

Project Duration

18 months

Project Budget

€144,728.20

CCAGP/135



Improving Efficiency & Reliability in Urban Water Distribution Systems for Combating Climate Change

Project Objective

The objective of the project is to increase the efficiency and reliability of urban water supply systems and to raise public awareness about water conservation.

Main Project Activities

- Selecting/establishing 3 District Metered Area (DMA) in Antalya City as Pilot Study Area (PSA)
- Installing the necessary flow meters and pressure gauges in the selected DMAs and connecting them to the SCADA system, monitoring flow rates and water pressures in the DMAs
- Installing approximately 30 smart water meters in selected public places to monitor water consumption and detect post-meter leakage
- Creating monthly System Water Balance (SWB) tables to analyze water loss components and Non-Revenue Water (NRW) in PSAs
- Using online monitoring results of PSAs for Minimum Night Flow (MNF) analyses, calibration, and validation of the hydraulic model in PSAs
- Analyzing monitored data sets to improve water and energy efficiency
- Implementing hydraulic modeling, smart pressure management, and Advanced Leakage Control (ALC) techniques (simple and complex) to reduce water losses in PSAs
- Analyzing customer meter inaccuracies and replacing faulty meters (approximately 100) with accurate ones for demonstration purposes
- Analyzing monitoring results of smart water meters to determine water consumption and post-meter leakage volumes in public places
- Demonstrating the biased aspects of percentage water loss indicators and implementing the Infrastructure Leakage Index (ILI) as an unbiased performance indicator for PSAs

- Conducting scenario analysis of climate change impacts considering future urban population and water demand increases in PSAs
- Determining the critical operational conditions of the Water Distribution Network (WDN) based on decreasing or increasing NRW levels and the impact of climate change using the calibrated and validated hydraulic model
- Conducting two different needs assessment surveys: one for municipal staff and the other for water consumers in public places
- Organizing a technical visit to Malta for on-site training and gaining experience on EU good practices in leakage management
- Arranging 3 different workshops and on-site training events with the collaboration of experienced experts from Malta for representatives from metropolitan, provincial and district municipalities in Türkiye (approximately 30 participants from different municipalities with gender equality considered)
- Conducting awareness campaigns in public places, including local schools and universities, to raise awareness about water conservation, climate change impacts, and water scarcity issues (considering gender equality)

Beneficiary

Akdeniz Üniversitesi

Project Location

Antalya/Türkiye

Co-Beneficiaries

Antalya Su ve Atıksu İdaresi
Genel Müdürlüğü (Türkiye)

Energy and Water Agency (Malta)

Water Services Corporation (Malta)

Project Duration

18 months

Project Budget

€433,246.24

CCAGP/141



Make a Move for Adaptation to Climate Change

Project Objective

The objective of the project is to enhance the capacity of decision-makers and local actors in Mersin to combat and adapt to climate change, to reduce the impacts of climate change in Mersin, and to raise public awareness on adaptation issues.

- Selecting two pilot municipal areas with high, medium and low incomes
- Promoting zero waste awareness in at least 3,000 households and installing compost production systems in common areas of selected residential complexes
- Designing a mobile application with content on climate change adaptation and mitigation for various age groups

Main Project Activities

- Preparing the Climate Change Adaptation Action Plan
- Organizing meetings to enhance the capacity of Mersin Chamber of Commerce and Industry (MCCI) sector members on climate change
- and to create climate change adaptation-action projections, and preparing a 'Climate Change Adaptation' training module for all members
- Organizing the Mediterranean Cities Climate Change Adaptation Workshop by MEDCITIES
- Organizing training and a pilot project on guppy fish farming to support women's entrepreneurship
- Constructing and installing a solar energy system, green roof, and rainwater harvesting systems for the Climate and Environmental Science Center
- Providing training on climate change adaptation and greenhouse gas reduction for different age groups, and organizing the 'A Sapling for the Future' tree planting event for participants to prevent urban heat island effect and create carbon sinks

Beneficiary

Mersin Metropolitan Municipality

Project Location

Mersin/Türkiye – Barcelona/Spain

Co-Beneficiaries

Scientific and Technological Research Council of Türkiye Marmara Research Center (TÜBİTAK MAM)

Mersin Chamber of Commerce and Industry

MEDCITIES (Spain)

Project Duration

18 months

Project Budget

€449,042.28

CCAGP/158





Assessment of Climate Change Impacts on Food Safety and Enhancing the Resilience of Rural Communities

Project Objective

The objective of the project is to predict the future conditions of climate and water resources under different greenhouse gas concentration scenarios, to determine the impact of climate change on agriculture and livestock in selected regions, including socio-economic consequences, to strengthen the local rural community through Rural Resilience Community Plans, assess adaptation options, and to enhance knowledge and capacity on assessing climate change-related risks and implementing sectoral measures.

Main Project Activities

- Modeling and forecasting weather and climate extremes
- Modeling the impact of climate change on water resources
- Modeling the impact of climate change on agricultural production
- Determining the socio-economic impacts of climate change on agricultural production
- Evaluating adaptation options for agricultural production
- Dissemination and coordination activities

Beneficiary

TÜBİTAK Marmara
Research Center (MAM)

Project Location

Küçük Menderes River Basin,
Eğirdir-Karacören Lake
Basin Systems, and Beyşehir
Lake Basin/Türkiye

Co-Beneficiaries

Isparta University of
Applied Sciences

Ege University

İstanbul University

İstanbul Technical University

International Agricultural
Research Institute Directorate

Fruit Research Institute
Directorate

Project Duration

18 months

Project Budget

€509,891.20

CCAGP/206





This Project is co-financed by
the European Union and the Republic of Türkiye.



Building Community Resilience to Natural Hazards and Climate Change in Local and Regional Areas (Resilience Action Academy - REMEDY)

Project Objective

The objective of the project is to address the underlying factors of climate change impacts and related natural disasters to develop a framework for local and regional climate action plans and strategies, to disseminate the knowledge base on climate change adaptation within the community and raise awareness through know-how transfers and capacity-building activities from the EU, and to help communities remain healthy, nourished, educated, strong, safe and secure by enhancing resilience infrastructure and developing risk reduction strategies.

- Implementing training activities to increase community resilience against natural disasters and climate change
- Creating an information exchange platform to enhance reliable information related to disasters for the public and disaster management institutions
- Monitoring and Evaluation
 - Monitoring learning activities to improve community knowledge, attitudes and behaviors to build community resilience
 - Reviewing the preliminary results of the project-based on the goals and strategies developed for the region
- Adjust and Transfer
 - Reviewing lessons learned and modifying/ updating the weaknesses of relevant disaster risk reduction activities to sustain the success of long-term implementation of climate change designed activities and planned region-specific actions/strategies
 - Promoting a developed framework as a standard approach for future regional climate adaptation processes through training sessions for professionals, and developing an independent consultancy market for regional climate change adaptation in Türkiye

Main Project Activities

- Data Collection and Analysis
 - Conducting interviews with communities, field visits and local meetings
 - Collecting technical data
 - Analyzing the impacts of climate change to rank regional sensitivities to different types of hazards (drought, water scarcity, heavy rainfall, flash floods, landslides, forest fires, etc.)
- Identification and Planning
 - Identifying potential impacts of climate change on natural and human systems at a regional scale
 - Estimating adaptive capacity and assessing vulnerability to climate change
 - Prioritizing the impacts that regional climate adaptation plans will focus on
 - Identifying and planning region-specific actions/strategies and relevant disaster risk reduction activities for climate change
- Training and Implementation
 - Designing capacity-building activities (learning tools, workshops) within the scope of climate change action plans and strategies for local communities and municipal staff

Beneficiary

Hacettepe University

Eş-Faydalanıcı

Union of Municipalities
of Türkiye

Project Duration

18 months

Project Budget

€483,554.40

Project Location

Eastern
Black Sea
Region/
Türkiye

CCAGP/231



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE OF
CLIMATE CHANGE



Climate Change
Adaptation





This Project is co-financed by
the European Union and the Republic of Türkiye.



Forest Ecosystem Services for Community Adaptation in İstanbul Regional Forest Directorate

Project Objective

The objective of the project is to enhance the resilience of forest ecosystems and community resilience through the effective use of forest ecosystem services, and to increase the capacity of relevant institutions for the effective use of ecosystem services and nature-based solutions in climate change adaptation.

Main Project Activities

- Preparing a spatial database for the İstanbul Regional Directorate of Forestry
- Mapping and characterizing the forests under the İstanbul Regional Directorate of Forestry
- Conducting participatory mapping of ecosystem services in the İstanbul Regional Directorate of Forestry through meetings
- Identifying vulnerabilities in forest ecosystems and forest ecosystem services due to climate change
- Identifying vulnerability points to enhance the resilience of forest ecosystems and ecosystem services
- Preparing a climate change adaptation strategy for the İstanbul Regional Directorate of Forestry in a participatory manner
- Organizing one-day workshops on ecosystem services and climate change adaptation in 10 forest management directorates
- Developing and implementing a training program on climate change adaptation, ecosystem services and nature-based solutions for people and schools in vulnerable areas
- Organizing a one-day workshop on the impacts of climate change and adaptation needs for representatives of the forestry sector in the region
- Preparing and distributing communication materials to emphasize the importance of forest ecosystem services in climate change adaptation
- Initiating the implementation of the climate change adaptation strategy for the İstanbul Regional Directorate of Forestry

- Implementing three pilot actions of the adaptation strategy to increase community resilience around vulnerability points
- Preparing a guide for the integration of ecosystem services into forest management planning
- Developing and implementing a training program on preparing climate change adaptation strategies, ecosystem services and nature-based solutions for the central and local units of the General Directorate of Forestry (OGM)
- Preparing and implementing awareness-raising activities on ecosystem services and nature-based to support the development of urban adaptation strategies and action plans
- Organizing a technical visit to an EU country on the use of ecosystem services and nature-based solutions in forest management
- Organizing a two-day international workshop on climate change adaptation through forest ecosystem services and nature-based solutions to facilitate experience sharing and knowledge transfer between regional forestry directorates and municipalities in Türkiye and EU countries

Beneficiary

İstanbul Regional Directorate of Forestry

Co-Beneficiaries

Nature Conservation
Centre Foundation

UICN Bureau auprès de l'Union
Européenne (Belçika) (IUCN)

Project Location

İstanbul,
Edirne,
Kırklareli
ve
Tekirdağ/
Türkiye

Project Duration

18 months

Project Budget

€513,407.40

CCAGP/251



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE OF
CLIMATE CHANGE



Climate Change
Adaptation





An Urban Water Resilience Approach to Enhancing Climate Change Adaptation in Turkish Cities

Project Objective

The objective of the project is to assess the current state and climate vulnerabilities of the water and wastewater management sectors in the target cities, to identify specific needs to enhance the climate adaptation capacity and water resilience of the target cities, and to support target cities in preparing or improving their climate change adaptation strategies.

Main Project Activities

- Identifying specific needs for climate change adaptation in target cities
- Developing and implementing a climate resilience assessment tool
- Supporting target cities in designing and implementing their climate change adaptation strategies
- Disseminating and utilizing the knowledge generated among local and national stakeholders

Beneficiary

Ankara Üniversitesi Su Yönetimi Enstitüsü

Proje Konumu

Türkiye

Co-Beneficiaries

Universiteit Twente (Hollanda)

Project Duration

18 months

Project Budget

€140,882.56

CCAGP/311





This Project is co-financed by
the European Union and the Republic of Türkiye.



Promoting Resilience And Adaptation To Climate Change By Preventing Water Lost

Project Objective

The objective of the project is to raise awareness among companies and beneficiaries about water consumption and the potential impacts of climate change in the manufacturing sectors of chemicals, chemical products, and other non-metallic mineral products, thereby strengthening their climate change resilience, thus to enhance the adaptation capacity and resilience to climate change in the manufacturing sectors of chemicals, chemical products, and other non-metallic mineral products, as well as among other relevant stakeholders, by increasing experience through the transfer of know-how and sharing of best practices in water management and water efficiency through Best Available Techniques (BAT).

- Compiling, designing and presenting urgent intervention techniques as a documentary and guide
- Conducting sectoral BAT study visits abroad
- Preparing an action plan recommendation letter at the ministry level and submitting it to relevant ministries along with project reporting

Main Project Activities

- Promotion and Dissemination Activities
- Conducting climate change impact analyses in identified sub-sectors
- Determining water consumption per unit in relevant sectors
- Conducting a Best Available Techniques analysis to reduce water consumption and create an "online best practices and collaboration" platform
- Conducting technical pre-visits to identified BAT areas and preparing characterization reports for these areas

Beneficiary

İstanbul Maden ve
Metal İhracatçı Birlikleri

Proje Konumu

İstanbul/Türkiye

Co-Beneficiaries

Su Politikaları Derneği

Project Duration

18 months

Project Budget

€ 166,483.60

CCAGP/342



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE OF
CLIMATE CHANGE



Climate Change
Adaptation





This Project is co-financed by
the European Union and the Republic of Türkiye.

Increasing Adaptation of Hatay to Climate Change Particularly in Terms of Forest Fires

Project Objective

The objective of the project is to improve Hatay's climate change adaptation through capacity-building and awareness-raising activities, to enhance Hatay's capacity to combat forest fires, to increase Hatay's resilience to climate change, and to raise public awareness about climate change in Hatay

- Organizing a climate change awareness day in three different locations in Hatay
- Conducting a climate change certification programme for DOĞAKA experts

Main Project Activities

- Developing a drone-supported early warning system for forest fires
- Procuring equipment for the early warning system for forest fires
- Organizing a problem-solving event (Hackathon)
- Developing monitoring software for the early warning system
- Conducting a situational analysis of forest fires (causes, intervention methods, tools and response speed)
- Organizing workshops with relevant stakeholders on the content and cooperation mechanisms of the forest fire response plan
- Preparing the Hatay forest fire response plan
- Making the forest fires and climate change handbook available to the public
- Conducting awareness-raising activities

Beneficiary

Eastern Mediterranean Development Agency (DOĞAKA), Hatay

Project Location

Hatay/Türkiye

Co-Beneficiaries

Hatay Regional Directorate of Forestry

Project Duration

15 months

Project Budget

€163,823.00

CCAGP/418



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE OF
CLIMATE CHANGE



Climate Change
Adaptation





Climate Smart Farms: A Model for Adaptation of Agriculture to Climate Change

Project Objective

The objective of the project is to create a holistic model that can be replicated and scaled, focusing on the three pillars of the food system in İzmir: farmers, consumers and decision-makers. The project is designed to assist farmers in İzmir in transitioning to climate-friendly agricultural practices, protect local ecosystems and establish this success as a replicable model across Türkiye.

Main Project Activities

- Project management and coordination
- Organizing local consultation meetings
- Selecting pilot farms
- Conducting a baseline study
- Preparing a situation analysis report
- Providing training and mentorship for pilot farms
- Preparing a farmer's handbook
- Supporting the establishment of short food supply chains
- Conducting capacity-building activities
- Implementing communication, promotion and dissemination activities

Beneficiary

Buğday Association for Supporting Ecological Living, İzmir

Project Location

İzmir/Türkiye

Co-Beneficiaries

Delegazione Europea per l'Agricoltura Familiare in Asia, Africa e America Latina ETS (DEAFAL ETS) (İtalya)

S.S. İzmir Agricultural Development and Other Agricultural Cooperatives Association

Project Duration

18 months

Project Budget

€165,962.31

CCAGP/420





Adaptation Of Agriculture And Fisheries Sectors To Climate Change

Project Objective

The objective of the project is to mitigate the impacts of climate change on the agriculture and fisheries sectors in Van, to promote the application of sustainable and high-value agricultural practices through innovative Aquaponic Farming Systems in climate adaptation, to build resilience and adaptation capacity among farmers in the agriculture and fisheries sectors, and to empower women farmers in Van.

Main Project Activities

- Assessing the current impact of climate change
- Producing a feasibility report for an aquaponic greenhouse
- Undertaking a study visit to Wageningen University in the Netherlands
- Researching marketing and development strategies for aquaponic products
- Implementing aquaponic greenhouse application processes
- Installing aquaponic greenhouse systems
- Developing a smart application for aquaponic greenhouse management
- Preparing aquaponic greenhouse training materials
- Conducting training for the target group and implementing the aquaponic greenhouse promotion program
- Establishing an 'Aquaponic Farming' cooperative
- Dissemination and closing activities,
- Establishing a project website, filming a project documentary, organizing a poster design competition, preparing a project results booklet, and holding workshops, seminars and joint final meetings

- Preparing a guide for the integration of ecosystem services into forest management planning
- Preparing and organizing a training program on climate change adaptation strategies, ecosystem services and nature-based solutions for the central and local units of the General Directorate of Forestry (OGM)
- Preparing and implementing awareness-raising activities on ecosystem services and nature-based solutions for local municipalities
- Organizing a technical visit to an EU country on the use of ecosystem services and nature-based solutions in forest management
- Organizing a two-day international workshop on climate change adaptation through forest ecosystem services and nature-based solutions to facilitate experience sharing and knowledge transfer between regional forestry directorates and municipalities in Türkiye and EU countries

Project Location

Van/Türkiye

Beneficiary

Van Provincial Directorate
of National Education

Co-Beneficiaries

Van Governorship (Türkiye)

Van Yüzüncü Yıl University (Türkiye)

Sustainable Life and Green
Future Association (Türkiye)

Project Duration

18 months

Project Budget

€301,922.88

CCAGP/469





Hear the Plants' Voice, Adapt for Climate Change

Project Objective

The objective of the project is to identify alternative agricultural plant species to increase agricultural resilience and adapt to global climate change in the agricultural sector in Mersin, to determine alternative agricultural plant species and varieties within the region that are economically valuable and suitable for climate adaptation, including existing products, to identify and promote the use of innovative cultivation methods for the specified alternative agricultural plant species, to raise awareness about the cultivation and dissemination of alternative agricultural plant species, to support the sustainability of agriculture and agriculture-based industries through the dissemination of economically viable agricultural plant species that adapt to global climate change, to enhance the climate change adaptation capacity of institutions and organizations in the region, to establish the Climate Change and Agricultural Production Adaptation Center to enhance inter-institutional cooperation and coordination, and to promote the dissemination of alternative crop cultivation.

- Conducting climate change organization and agricultural awareness-raising activities
- Organizing the International Mediterranean Climate Change and Agriculture Conference
- Establishing the Climate Change and Agricultural Production Adaptation Center

Beneficiary

Mersin Chamber of
Commerce and Industry

Project Location

Mersin/Türkiye

Co-Beneficiaries

Mersin Metropolitan Municipality

Boğaziçi University

Directorate of Mersin Alata
Horticultural Research Institute

Project Duration

18 months

Project Budget

€149,988.91

Main Project Activities

- Organizing the Mersin Climate Change and Agriculture Workshop
- Preparing reports on the proposed agricultural plant species and cultivation methods for Mersin

CCAGP/558





This Project is co-financed by
the European Union and the Republic of Türkiye.



Plan Bee: Increasing the Adaptation Capacity of Istranca Beekeeping to Climate Change

Project Objective

The objective of the project is to strengthen the climate change adaptation capacity of beekeeping activities in Istranca.

- Informing and raising awareness among stakeholders, especially decision-makers, farmers, animal breeders and foresters
- Ensuring the protection of the designated conservation area and eliminating threats to sustainable beekeeping activities with high added value

Main Project Activities

- Preventing honey yield and colony losses caused by climate change
- Better understanding the needs and gaps of producers and the sector
- Minimizing economic losses due to yield reduction
- Increasing the capacity of local beekeepers to combat and adapt to climate change
- Preventing climate-induced migration by minimizing climate-related socio-economic problems
- Contributing to the added value and branding of beekeeping activities in Kırklareli
- Presenting successful field applications and innovative examples of climate change adaptation

Beneficiary

Kırklareli Chamber of Commerce and Industry

Project Location

Koçgaz, Lüleburgaz, Vize, Pınarhisar, Babaeski, Pehlivan köy, Demirköy, İğneada/Kırklareli/ Türkiye

Co-Beneficiaries

Demirköy District Beekeepers Association

Project Duration

18 months

Project Budget

€163,322.66

CCAGP/560



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



DIRECTORATE OF
CLIMATE CHANGE



Climate Change
Adaptation





Predicting the Distribution of Future Basic Forest Tree Species Using Different Climate Projections and Developing Adaptation Strategies for Türkiye

Project Objective

- The objective of the project is to predict the future distribution of tree species across the country using regional climate models,
- to map forest areas most affected by climate change and identify tree species that can adapt to climate change,
- and to develop climate change adaptation strategies based on forest management and increase the level of forestry knowledge

Main Project Activities

- Conducting regional climate projections
- Predicting habitat suitability for major forest tree species under climate change scenarios using Maxent and Biomod
- Producing a tree species composition map
- Identifying/classifying forest areas to be affected by climate change
- Developing management and forestry adaptation strategies for the classifications
- Making the generated data available online
- Dissemination

Beneficiary

Marmara Forestry Research Institute

Project Location

All Regions/Türkiye

Co-Beneficiaries

İstanbul Technical University (İTÜ)

Karadeniz Technical University (KTÜ)

Project Duration

18 ay

Project Budget

€196,984.86

CCAGP/611





Climate Change Adaptation Strategies: Reducing the Risks of Flooding and Water Scarcity in Bartın

Project Objective

- The objective of the project is to enhance the resilience of Bartın against climate change,
- and to protect the water resources and ecosystem of the Bartın River basin.

Main Project Activities

- Developing an IoT-based early warning system for flood prevention
- Conducting mapping and planning activities for the creation of climate change adaptation strategies
- Implementing pilot applications for rainwater harvesting
- Raising awareness about the impacts of climate change

Beneficiary

Bartın University (BARÜ)

Project Location

Bartın/Türkiye

Co-Beneficiaries

Co-Beneficiaries Bartın Special Provincial Administration

Bartın Municipality

Project Duration

18 ay

Project Budget

€484,030.49

CCAGP/746



This Project is co-financed by
the European Union and the Republic of Türkiye.



Adapting Our Future to Climate Change

Project Objective

The objective of the project is to increase climate change adaptation in Türkiye by strengthening community adaptation capacity through a nature- and ecosystem-based education center and programme.

Main Project Activities

- Establishing an Ecology Education Center as a resilience tool against climate change and preparing an education program with a biomimicry approach to increase community resilience and the adaptation capacity of vulnerable groups
- Raising awareness about the protection of natural resources and ecosystems by spreading knowledge and experience exchange at the national and international levels

Beneficiary

Lifelong Learning,
Vocational Education, and
Development Association

Project Location

İzmir/Türkiye

Co-Beneficiaries

İzmir Provincial Directorate
of National Education

İstanbul University - Cerrahpaşa

Aegean Forest Foundation

Fundacja Ośrodek Badańczo-Edukacyjny
w Zielonowie (Poland)

Project Duration

12 months

Project Budget

€159,619.80

CCAGP/867



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



Environment and Climate Action
Sector Operational Programme



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CLIMATE CHANGE



Climate Change
Adaptation

