

UNDP Turkey Monthly Magazine

MARCH 2019 - ISSUE: 159

NEW HORIZONS

A FIREFIGHTER'S PRAYER:
UNDERSTANDING RESILIENCE AT LOCAL LEVEL

**A NEW GUIDE
FOR CLUSTER-BASED STUDIES**

**ENGINEER GIRLS OF TURKEY
2019 İSTANBUL MEET-UP**

**USE ENERGY EFFICIENT MOTORS
STAND UP FOR YOUR**

Happy 8 March International Women's Day!

5 GENDER
EQUALITY



INDEX

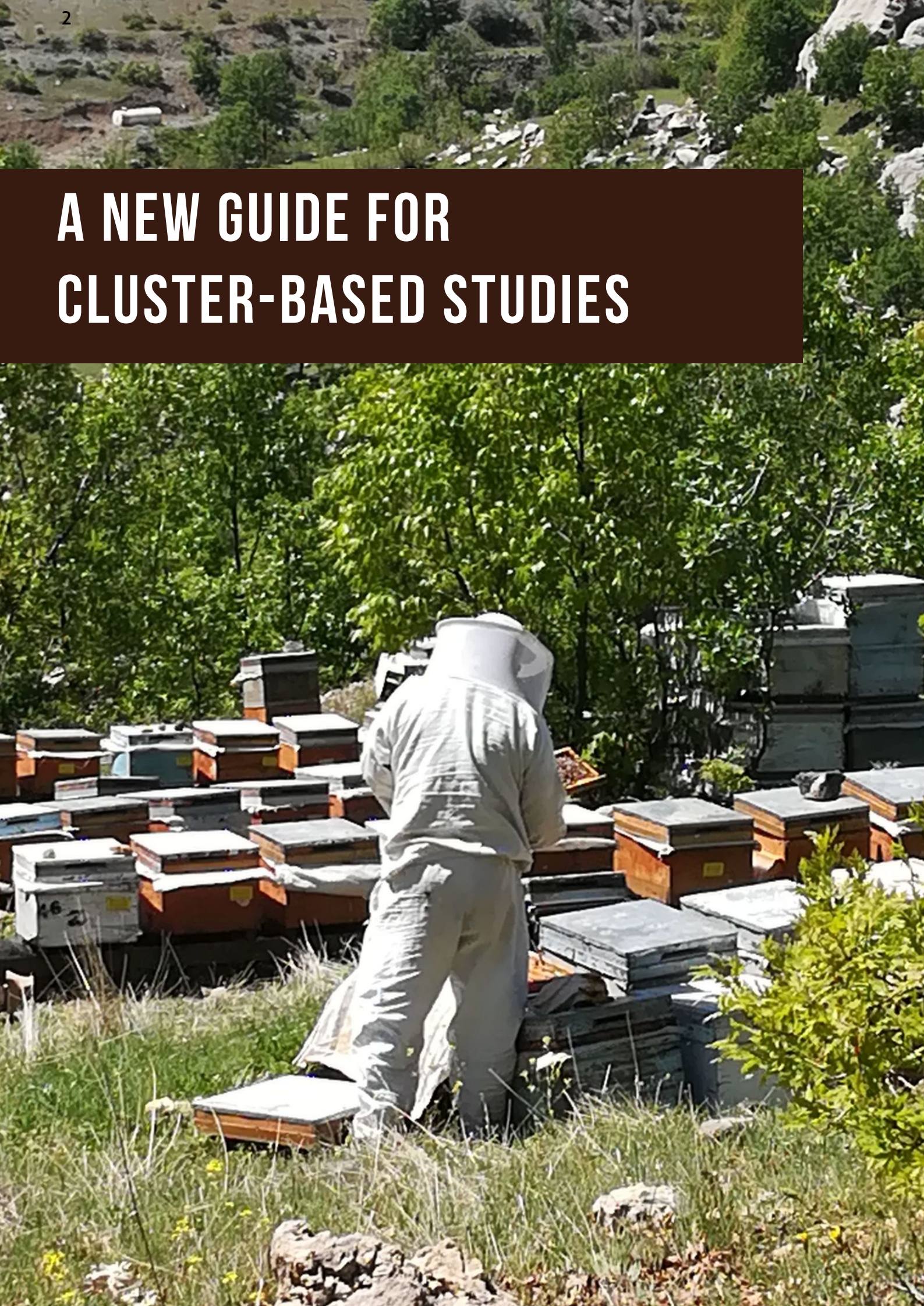
A new guide for cluster-based studies	2
Engineer Girls of Turkey Met in İstanbul	4
A Firefighter's Prayer	10
Use Energy Efficient Motors	22
Yayla Lake Covered in Ice	28

Click on the icons to follow us on social media.



Cover: @UNDP Turkey

A NEW GUIDE FOR CLUSTER-BASED STUDIES



A new study is published within the scope of GAP Organic Agriculture Cluster Project: The Scalability and Replicability Toolkit. This toolkit, which is prepared within the partnership of GAP Regional Development Administration, UNDP Turkey and Boğaziçi University Centre for Innovation and Competition Based Development Studies, is expected to be a guideline for leading cluster-based local socio-economic development studies and conducting comparable studies.

The Scalability and Replicability Toolkit analyzes the GAP Organic Agriculture Cluster Project within the framework of triple helix, which is one of the cluster and multi-stakeholder cooperation models, under scalable and replicable success stories factors, and provides a method for scalability and replicability studies for cluster projects.

In line with this model and inferences from pilot projects and based on the relevant literature review, a scaling roadmap that can be used as a guide for implementation in similar cluster projects is also included in the toolkit. This roadmap defines 15 main steps and it will be possible to adapt the successful projects in different geographies to wider and different groups and to get value added results by applying the acquired methods according to the dynamics of new target group. Through the Scalability and Replicability Toolkit, it is aimed to increase the number of studies in this field and to guide the determination of policies that will contribute to the improvement of regional development.

The GAP Organic Agriculture Cluster Project was implemented by GAP Regional Development Administration (GAP RDA) with the technical assistance of United Nations Development Program (UNDP).

You can find the guide through this link.

ENGINEER GIRLS OF TURKEY MEET FOR THE FOURTH TIME IN ISTANBUL

Scholars under the project “Engineer Girls of Turkey” jointly implemented by Limak Foundation, Ministry of Family, Labour and Social Services and United Nations Development Programme (UNDP) met for the fourth time in Istanbul.



Having started four years ago to increase the number of women engineers, and ensure that women be more effective in business life and decision-making, the project “Engineer Girls of Turkey (TMK)” continues to grow. Under the project, 110 scholarship students in various engineering disciplines in 35 state universities in 25 provinces of Turkey came together with their mentors, who were experienced women engineers, for the first time in Istanbul over the weekend. In the two-day programme, young candidate engineers got acquainted; told about their social responsibility activities as required by the project, how they were engaged with the project, and shared their dreams.

The event hosted leading figures in the sector including Ms. Gülser Ustaoğlu, General Director of Status of Women; Ms. Ebru Özdemir, Chair of Limak Foundation Board of Trustees; Mr. Claudio Tomasi, UNDP Turkey Resident Representative; Ms. Yaprak Yapsan, Founding Director of Ideon; Ms. Serpil Gümüş, Deloitte Digital Lead Consultant; Mr. Agah Uğur, Board Member of Borusan Holding; and journalist-author Ms. Ayşe Arman who conveyed their experience to university students through inspiring presentations and motivating conversation. Students also had the chance to watch “The Crocodile”, a Dostoyevsky adaptation by Tom Basden, a leading figure of British satire; and visited historical sites, museums and exhibitions in Istanbul.



We are leading the efforts to educate women leaders and engineer candidates

Ms. Ebru Özdemir, Chair of Limak Foundation Board of Trustees, stated in her opening remarks that TMK project, in its fourth year and becoming a brand, was leading the efforts to educate women leaders and engineer candidates. She said: “Our adventure started with 40 students in the first year, enlisted 65 in the second year, then 100 in the third year, and 110 this fourth year. Our pool of mentors expanded. Coaches and graduates of our programme joined us as well. We acquired “new friends” to our TMK Family through new partnerships.”

Noting that the goal of TMK was to raise responsible, responsive, entrepreneur, leader engineer candidates of tomorrow, Ms. Özdemir emphasised that “our aim is to inspire women engineer candidates who are capable of leading us in the future, and identify women leaders who will guide the future of our country, and shatter the so-called ‘glass ceilings.’”

Mr. Claudio Tomasi, UNDP Turkey Resident Representative, gave various examples of outstanding women who had contributed to scientific advances through the history, and asked the girls to find their own sources of motivation.



20,000 High-schoolers outreached

Engineer Girls of Turkey has granted tertiary scholarships to 310 students since 2015, and provided internships to 80 students at Limak Group and other firms. Currently, 110 students from 35 universities are actively enrolled in the project. The high school component of the project reached out 20,000 high-schoolers in 10 provinces in 2018 through the educational content in three subjects, awareness raising plays and virtual reality applications, and role-model meetings at every school. The high school component will continue in 25 schools in 10 provinces in cooperation with the Teacher Academy Foundation (ÖRAV). In addition, the cooperation with the People Management Association of Turkey (PERYÖN) further strengthened the TMK Project in terms of educational programmes and career opportunities.



A FIREFIGHTER'S PRAYER:

UNDERSTANDING RESILIENCE AT LOCAL LEVEL

Even if it means risking their lives, brave firefighters in Hatay are among the first responders in emergency situations in a vast geography. Often putting every day, the lives of others before their own to prevent casualties in fires and any other natural disasters, traffic accidents, or even a naughty little kitten, stuck on the top of a tree; Hatay's firefighters are the true heroes of the city with a population of around 1,6 million, out of which 447,884 are Syrians under Temporary Protection (SuTPs); fleeing war, conflict and tragedy. Serving relentlessly with honour to both local communities and refugees, we witnessed a day of a firefighter when we visited the province at the occasion of the delivery of new firefighting vehicles; provided under Turkey Resilience Project in Response to the Syria Crisis (TRP).





The fire alarm bell rang, as we were leaving the place. The fire fighters were rushing into the vehicles, and fully equipped red-trucks were launching out from the Central Fire Station, as we were edging away slowly. I silently said, “Good luck friends” and send my best thoughts to the people I recently met with. They were going on another mission; another emergency situation God knows what and where. It was an exceptional day for us, as we were present at Hatay Metropolitan Municipality Central Fire Fighting Station, for the delivery ceremony of three newly purchased vehicles under “Turkey Resilience Project in Response to the Syria Crisis (TRP)”, but it was an ordinary day for the brave fire brigade crew of Hatay Municipality to continue saving lives. At the end of the day, saving lives doesn’t wait.

As UNDP team, we witnessed the round-the-clock challenging tasks of the firefighters at Hatay Metropolitan Municipality Fire Department's Station in central Antakya. And how well-equipped emergency intervention and firefighting vehicles could create a difference in public services in the southern province of Turkey, Hatay, where the existing capacities were already deficient, with the ongoing Syria crisis now in its eight year. It was a sunny December afternoon in Hatay, a city most famous with its culture, gastronomy and architecture; being the cradle of many civilisations in the past. The province has always been famous when it comes to the very rich culture of living together, respect for others and tolerance, putting the region a must see place and experience for visitors, tourists and travellers.

A candid ceremony was just held at the forecourt of Hatay Municipality Central Fire Station. Both Turkish and European Union (EU) flags were waving, just beside the United Development Programme (UNDP) banners. Firefighting vehicles were decorated and placed one next to another, with young crew members explaining us how the equipment works in which emergency situation.

Members of the Municipality, public officials and other people from the Metropolitan Firefighting Department were making sure that everything was proper and ready, before the arrival of the Mayor for the delivery ceremony of the newly purchased and equipped vehicles.

We were excited to be part of something important, not exactly witnessing before what a fully equipped firefighting vehicle meant; when it comes to emergency intervention situations. Neither of us got stuck in car, desperately waiting to be rescued from a squeezed metal after a serious accident. None of us had waited in that bunch of battered metal for hours, despite the help had arrived, but there was no proper equipment at the intervening emergency vehicle; such as cutting machines, or hydraulic clippers. Nor had we rushed onto a rooftop and waited for help during a fire incident, but the fire ladder was short, so the help meant nothing because we were beyond reach and thus, saving.



Newly purchased firefighting vehicles were delivered to the Municipality, and the Hatay Mayor, Mr. Lütfü Savaş had just finished his remarks, extending gratitude to UNDP, implementing UN agency of the Turkey Resilience Project in Response to the Syria Crisis (TRP), and the European Union (EU), the donor of the TRP; underlining the value of burden sharing in a city where the influx of Syrian refugees in Turkey had also resulted in an unprecedented demand for municipal services, including waste management and fire-fighting services.

As a matter of fact, additional demand for municipal services is always difficult for any city. However, it is even harder for the municipalities, where infrastructure and service delivery capacities were already stretched before the arrival of the refugees. According to the recent data, around thirty percent of the population in Hatay province are Syrians under Temporary Protection, who have fled the tragedy in their home country and took shelter in the bordering Hatay. The sudden and significant increase in population have worsened the existing challenges and have led to even higher levels of underserved communities, risking further deterioration of social cohesion.

“It is so important for us to be always ready for any kind of emergencies” said Cengiz, one of the members of the brave fire brigade crew. “And being ready means being trained, well equipped with latest technology when attempting to saving lives.” Cengiz said that the new equipment, provided under TRP, has provided them to make life-changing interventions in his duty in recent months. “Cutting machines and hydraulic sorting machines let us make the earliest interventions in traffic accidents, where people are jammed inside their cars. With this new technology, we can intervene as quickly as possible, cut the squeezed metal and sort the parts out, then have access to passengers and accident victims before it is too late”. I have never thought before, that the technological developments in firefighting equipment have such crucial importance to human life, when seconds matter at a time of an emergency. Same applies to fires, earthquakes, floods and other kind of emergency situations. For an ordinary person, fire fighting vehicles are just big red tankers with sirens and red lights and ladders on them; flushing water into a fire incident. But it is not that simple...



Training and awareness raising, prevention and supervision, firefighting and responding to fire and rescue-related incidents are the main concerns of the firefighters in Hatay. The changing nature of the emergency situations; meaning earthquakes, landslides, floods and especially fires and other fire and rescue-related incidents in Hatay province, with its already strained capacity, have caused before, loss of life and injuries, along with financial losses and other unrecoverable losses leading to damages to national wealth, welfare and cultural, historical and natural heritages.

Recently released metropolitan municipality regulations have also expanded metropolitan municipalities responsibilities to cover district and village level firefighting services, which has added new pressure to the demand side. Municipalities in the Southern provinces have indicated a significant increase in terms of the demand for firefighting services, particularly in urban settings.

Fevzi Bey, who devoted his life to the service of the people of Hatay, at Municipal Firefighting Department, now a senior advisor to the Mayor, explained the situation; “We are serving both local communities and Syrian refugees with limited resources. It’s been eight years since the Syria crisis began, but our needs have grown faster than what we got”. When drinking his tea in the meeting room while briefing us on the capacities and needs of the Firefighting Department, he added “UNDP’s support is most valuable to us, not only providing vehicles that increased our capacity, but also infrastructure development and technical support with respect to municipal services”



UNDP had been the only UN agency in Turkey so far, providing direct support to municipalities on waste management and municipal services, including infrastructure development and technical support. The TRP expands those efforts allowing delivery at scale and expansion to other municipalities. In addition to that, the Project complements infrastructure support with technical capacities for municipalities, in terms of planning and design of services delivery.

Based on a UNDP conducted Municipal Need Assessment, Hatay and Şanlıurfa provinces are most in need of support because of their lack of required firefighting vehicles and equipment. The TRP, therefore, supports these two municipalities with the provision of hardware and first response multipurpose firefighting vehicles.

“It takes three minutes, to put off a fire when it begins. This is the base-line. After that, you cannot do it on your own, that’s where we step in. That’s what the science says” added Fevzi Bey; when telling us about the importance of early and fast intervention in seconds when an emergency situation arises. Taking a sip from his tea, we witnessed the true respect he spreads around, and how young firefighters looks at him with great admiration. “When seconds do matter in these situations, your vehicle park is of crucial importance; because faster you are, closer you are to save lives of your fellow countrypeople. And these new vehicles enable us to revert faster and intervene more effectively” he said and added; “Listen, it is still indeed a small city, and everyone knows each other. Years at the service of our people, when we got a call sign for an accident, or a fire; every time we get one these red trucks, we know that we are going to help someone we know, and we wish that we are not too late. Now we are serving to our Syrian sisters and brothers as well. It is our duty, and worth risking our own lives”. I remembered what one of the crew from the brigade told me outside in the courtyard while chatting: “Starting our shift every day, we first read the firefighter's prayer that goes, ‘My God, give me strength so that I can come to the help of an endangered creature, especially a small child or elderly person before it is too late.’”

The brave firefighting brigade of Hatay Municipality serves both Syrians under Temporary Protection and their host communities despite limited resources. They don’t complain, they don’t rest, they don’t make excuses. Their duty is to help people and communities. Their communities. Regardless of nationality, race, ethnic origin. They save lives every day. Just like in their prayer; “give me strength so that I can come to the help of an endangered creature...”



According to recent data on 2018 provided by the Municipality, Hatay Metropolitan Firefighting Department intervened to 7,671 emergency cases out of which 5,722 are fires, and 1,949 are rescuing missions. Even only two of the vehicles provided by the UNDP under TRP were used in 233 cases, which means sixteen percent of the overall interventions in fire incidents in province-wide, and twenty five percent in county-wide. According to the available data, more than 480,000 people have benefited from the newly purchased vehicles.

I was deep in thought, in our car with my teammates, and the ceremony ended minutes ago, when the emergency bells rang, and the rushing inside the forecourt of the Hatay Central Firefighting Department had begun. We were witnessing an emergency situation, where lives could be saved, and UNDP and the EU had the opportunity to jointly contribute in the situation. That was real. That wasn’t in another technical report, or in a documentary, or even in the news. We all looked for the last time, at the brave members of the brigade rushing in their red trucks and vehicles breaking out of ceremony order and going out one by one. There I remembered what Cengiz had told me “Listen brother, the next time we go on an emergency mission, I will make a video of how these vehicles and equipment make a difference and save lives”. I was not sure if I wished to receive that video, but I finally understood his point.

USE ENERGY-EFFICIENT MOTORS STAND UP FOR YOUR ENERGY!

T.R. Ministry of Industry and Technology and UNDP Turkey started a project in 2017 to increase the use of energy-efficient electric motors in small and medium-sized enterprises (SMEs) in Turkey: Promoting Energy-Efficient Motors in Small and Medium-Sized Enterprises (SMEs) in Turkey or TEVMOT



Energy demand in Turkey is increasing, and transition to energy efficiency is becoming inevitable for all sectors. By investing in energy efficiency, it is possible to meet Turkey's future energy demand and reduce greenhouse gas emissions that causes climate change. This may also be a potential driving force for Turkish economic growth.

Accounting for 47.2% of net electricity consumption in Turkey and mostly using inefficient motors, the Turkish manufacturing industry is expected to enjoy considerable decrease in electricity consumption if the market is transformed by using energy-efficient motors. In this context, the "Programme for Transition to Energy-Efficient Electric Motors in Industry" in line with the Energy Efficiency Law, Energy Strategy Plan and Tenth Development Plan set important objectives; and various activities were started with the initiative of Turkish Ministry of Industry and Technology.

As a step of the said transition, TEVMOT Project aims to achieve a "market transformation" in Turkey through replacing old, inefficient electric motors at SMEs with new, energy-efficient motors. This means taking the first step for the transition by replacing the AC motors currently used in industry with energy-efficient motors that will contribute 8.5 billion TL to the Turkish economy and ensure sustainability.

Scheduled to end in June 2022, TEVMOT Project rolled out various technical work and activities to make a market transformation in electric motors. Experts from the Ministry, technical experts of the project, project partners and a broad range of national and international stakeholders continue to make significant contributions in the phases of design, implementation and evaluation of such actions.

TEVMOT supports the strengthening of the legislative and regulatory framework both for new and existing energy-efficient motors in Turkey

TEVMOT builds a national database of electric motors with a view to developing a market monitoring system. In this context, technical experts of the project are already engaged in comprehensive work coordinated by the Directorate-General for Industry and Productivity of Ministry of Industry and Technology in cooperation with the Directorate-General for Industrial Product Safety and Inspection; Directorate-General for Product Safety and Inspection of Ministry of Trade; Ministry of Energy and Natural Resources; Turkish Statistical Institute (TURKSTAT); Association of Electric Motor Producers (EMOSAD); Energy Efficiency and Management Association (EYODER); and Organized Industrial Zones Senior Organization (OSBÜK).

TEVMOT held a technical consultative meeting on 18 October 2018 for the market players (manufacturers, suppliers, importers and users) to strengthen the investment environment for electric motors in close collaboration with Ministry of Energy and Natural Resources to design minimum energy performance standards (MEPS) in line with EU Directives and international best practices. With support from technical experts of the project, the participants reviewed and assessed the relevant national and international legislation on the updates of eco-design implementation measures and new legislation.



TEVMOT develops cooperation with U4E and ICA

The Directorate-General for Industry and Productivity of Ministry of Industry and Technology and UNDP Turkey hosted on 28-29 May 2018 the discussion meeting with the United for Efficiency Initiative* (U4E) and International Copper Association (ICA). As a result of the discussion meetings participated by project partners and stakeholders, TEVMOT and U4E initiated an international cooperation on such significant areas as “financing mechanisms” to encourage the use of energy-efficient motors at SMEs, “market transformation”, and “monitoring, verification and enforcement”.



TEVMOT participates in International Motor Summit

TEVMOT actively participates in international events relating to policies and programmes on energy-efficient electric motors, both promoting the project and lending support to increasing the capacities of domestic motor manufacturers to international standards. In this context, TEVMOT participated in the “International Motor Summit 2018” on 14-15 November 2018 in Zurich with the project partner EMOSAD and domestic motor manufacturers including AEMOT Elektrik Motorları, VOLT Motor WAT Motor. The Motor Summit is a top international event for the electric motors sector. Bringing together public agencies; manufacturers of motors, pumps and fans; manufacturers of machinery and equipment; users of motor systems; and international experts on the subject-matter, the Motor Summit helps build cooperation networks. EMOSAD had the opportunity to share experience as well as build new networks of relations for international cooperation.

TSE's Electrical Testing Laboratory upgraded with TEVMOT support

TEVMOT initiated work to upgrade the testing systems and auxiliary equipment of the Electric Motors Testing Laboratory at Gebze Electro-technical Laboratory Directorate of TSE in order to ensure effective market surveillance, inspection and legal compliance of energy-efficient electric motors in Turkey and strengthen testing procedures.

TEVMOT develops innovative approaches to market

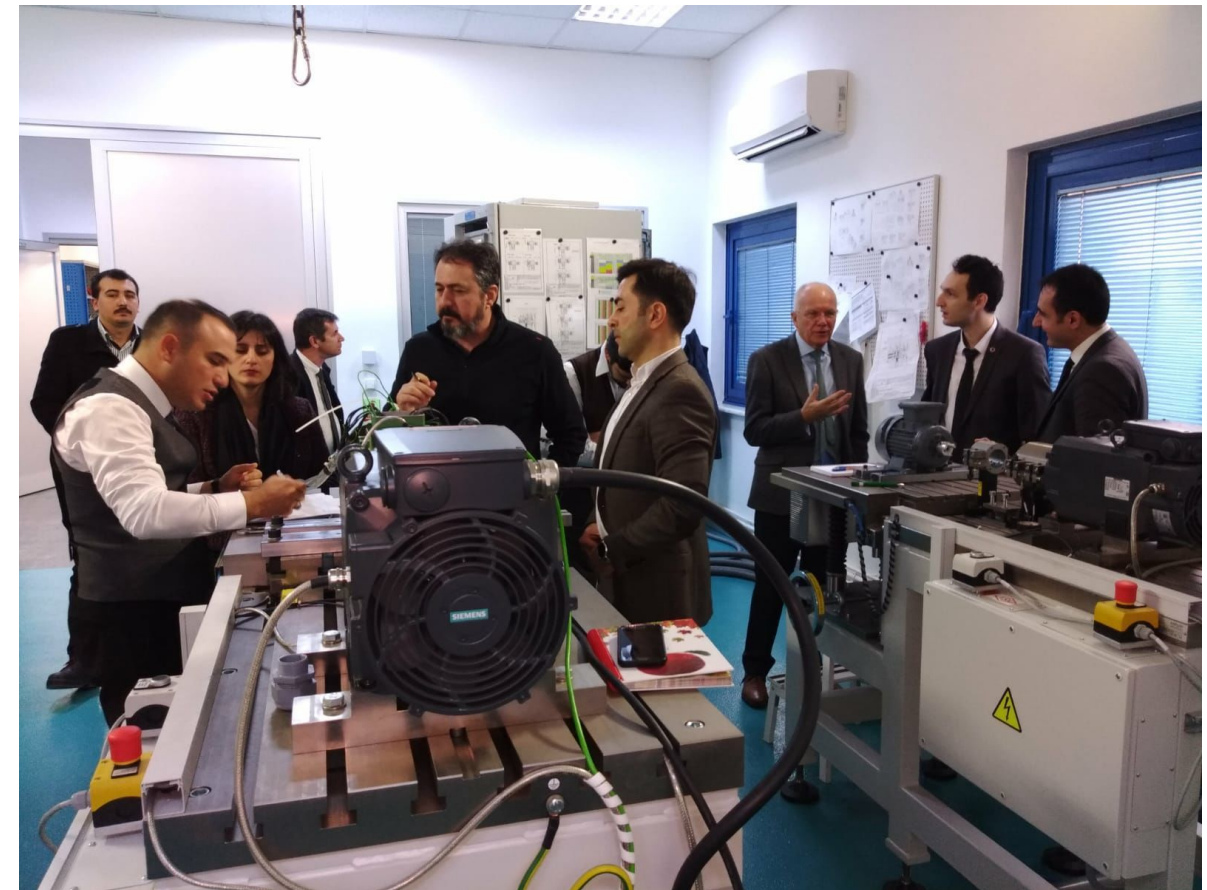
TEVMOT introduces innovative solutions of international calibre to increase the use of energy-efficient electric motors. In the context of technical work of the relevant project partners, experts and Energy Efficiency Consulting Companies (EVD); TEVMOT develops an audit methodology specific to motors in terms of system efficiency at SMEs to ensure replacement of accurately identified motors.

Pilot applications and SME financing support to start in 2019

Field work at the selected pilot Organised Industrial Zones (OIZs) is at the heart of TEVMOT's activities. The pilot intends to enable the Energy Management Units (EMUs) of OIZ to establish and operate One-Stop-Shops (OSS). The One-Stop-Shops will collaborate with such project stakeholders as KOSGEB and TurSEFF as well as various bank and financing alternatives to achieve a rapid, easy market transformation.

One-Stop-Shops at OIZs to accelerate investments by SMEs

The plan is to engage in motor energy efficiency audits by "Energy Efficiency Consulting Companies" (EVD) with TEVMOT support at the SMEs identified through One-Stop-Shops which are located at OIZs and operate in the manufacturing industry. Based on the audit results, inefficient electric motors at the enterprises will be replaced by new energy-efficient motors. A specific TEVMOT Financing Model has been developed to provide financial support to such investment by SMEs. The work on the financing model and "bring in your old motor, take away the new, let the motor pay itself" campaign is underway with feedbacks and contributions of the stakeholders.



Follow TEVMOT for more

Encompassing a wide variety of stakeholders from the private sector and civil society, TEVMOT Project is implemented by T.R. Ministry of Industry and Technology in cooperation with UNDP and funding support from the Global Environment Facility (GEF). Co-financing and technical support are provided by T.R. Ministry of Energy and Natural Resources, Turkish Standards Institute (TSE), Ankara Chamber of Industry (ASO), Istanbul Chamber of Industry (ISO), Association of Electric Motor Producers (EMOSAD), Energy Efficiency and Management Association (EYODER), and domestic motor manufacturers AEMOT A.Ş., Arçelik A.Ş.- WAT Motor., GAMAK A.Ş. and VOLT Motor.

For more information, follow TEVMOT on social media:

www.tevmot.org
 Facebook
 Twitter
 Instagram
 LinkedIn

YAYLA LAKE COVERED WITH ICE LOOKS LIKE A POSTCARD

Yayla Lake is located in the Buldan district of Denizli and 180 bird species call it home. The lake was covered with 15 centimeters of ice and the image of birds on the postcard-like setting became a centre of attention to hikers and photographers



Yayla Lake, located in the Süleymanlı Village, 8 kilometres away from the Buldan district of Denizli; froze due to the cold weather affecting the region. The lake is around 50 hectares and at the altitude of 1,150 m 15 centimetres of ice was formed. The lake became the centre of attention with its natural beauty and 180 different bird species.

Buldan Yayla Lake is one of the most important values of Denizli. Many photographers and hikers from Denizli city centre and surrounding cities and districts visit the lake.

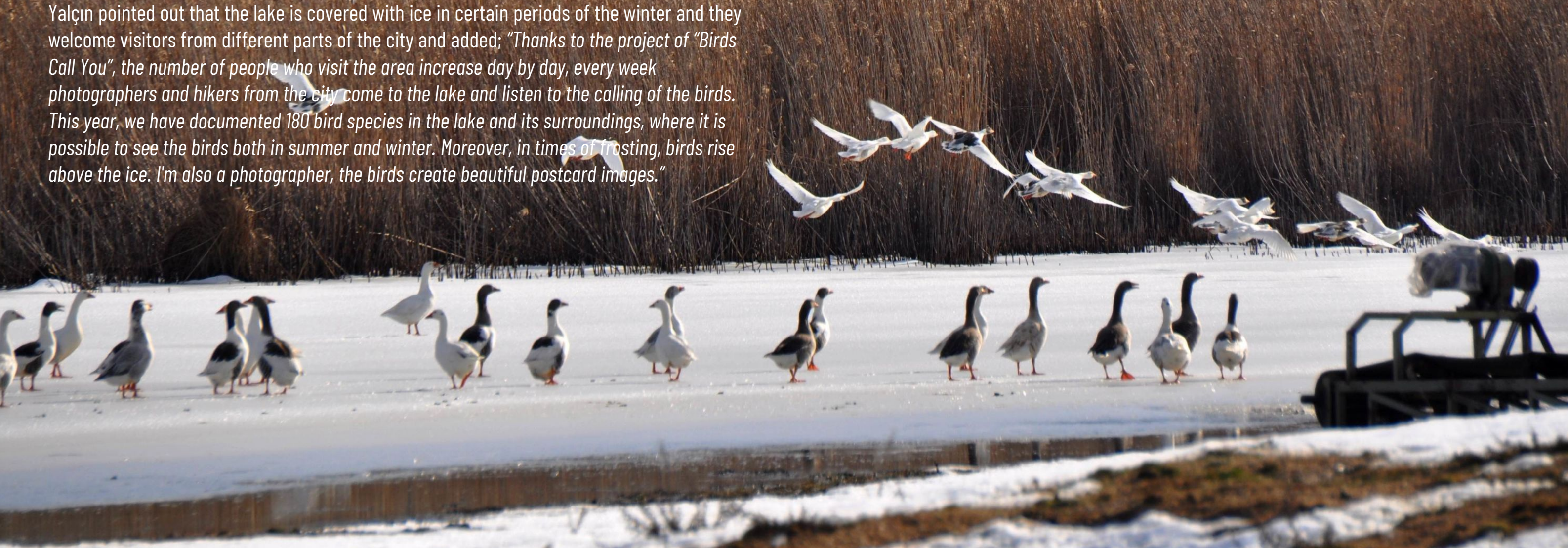
Listening to the sound of birds

The President of Buldan Natural Life Protection Association Sait Yalçın said that, with the support of the “Birds Call You” project implemented under the scope of Future is in Tourism Project, carried out by the Ministry of Culture and Tourism, United Nations Development Programme (UNDP) and Anadolu Efes, Yayla Lake has been drawing attention with its diversity of the birds and the ecotourism potential of the region. Yalçın asserted that, as part of the project, 163 bird species were identified during the process of compiling Buldan Yayla Lake Bird Guide in 2018, and as a result of investigations and bird counts conducted this year, 180 bird species were discovered in the lake and its surroundings.

Yalçın pointed out that the lake is covered with ice in certain periods of the winter and they welcome visitors from different parts of the city and added; *“Thanks to the project of “Birds Call You”, the number of people who visit the area increase day by day, every week photographers and hikers from the city come to the lake and listen to the calling of the birds. This year, we have documented 180 bird species in the lake and its surroundings, where it is possible to see the birds both in summer and winter. Moreover, in times of frosting, birds rise above the ice. I’m also a photographer, the birds create beautiful postcard images.”*

Birds Call You Project

The project aimed to uncover the tourism potential of the natural beauty of Yayla Lake, located in the Buldan district of Denizli. Buldan Yayla Lake Bird Guide was prepared by assessing the bird species of the lake and its surroundings. An alternative hiking route from Buldan to Yayla Lake was created and opened to nature lovers. With the training given to local women, Yayla Lake birds were featured in Buldan type carpet weavings which have an 8000-year-old tradition. “Birds Call You” Project, was supported by the Ministry of Culture and Tourism, United Nations Development Programme (UNDP) and Anadolu Efes within the scope of Future Lies in Tourism Project.



VACANCIES FROM UNDP IN TURKEY

Development Coordination Officer

Development Coordination Officer, Data Management and Results
Monitoring/Reporting

Development Coordination Officer, Partnerships and Development
Finance

UNOCHA - National Information Management Officer

National Consultant for Conducting the Gender Analysis of Fenerbahçe
Sports Club

Impact Consultant

Head of Experimentation

Head of Exploration

Head of Solutions Mapping

Project Assistant

Project Associate

Project Manager

Projects Coordinator – Human Rights and Rule of Law

Two National Local Capacity Building Consultants

Project Assistant

Country Programme Assistant

Partnerships and Resource Mobilization Intern

Editor: Faik Uyanık

Design: Bikem Ahıska

Reporters: Bora Akbay, Deniz Tapan,
Kıvanç Özvardar, Ruşen İnceoğlu, Nil Koza, Tutku Zengin

© 2006-2019 UNDP Turkey

All rights of New Horizons are reserved to UNDP Turkey. Any use
of information should be accompanied by an acknowledgment
of New Horizons as the source citing the URL of the article.



*Empowered lives.
Resilient nations.*