



Expression of interest

Contact details

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Short description of the organisation

Yalova is the home town the famous “Walking Mansion”, one of the first examples of environmentalism. Instead of cutting the branch of plane tree (*Platanus Orientalis*), which was loved by Gazi Mustafa ATATÜRK (the founding leader of the modern Republic of Turkey), damaging the roof of the building, the mansion was moved by a few meters to save the branch. That went down in the history as the seeding place of the green future spirit on this land. Today, this area is open to the public as a museum. Every year, tens of thousands of children, young people and citizens visit the Walking Mansion museum, enjoying the unique nature and gaining inspiration for a green future. Also, in 2012, “Time and Space Independent Public Administration (ZAMBAK)”, which was put forward with empirical practice in Yalova Municipality, has been proven to be a correct job with remote and flexible working with the Covid-19 pandemic. As far as is known, it was the first local government practice in Türkiye to cover our disadvantaged citizens and women equally, using online data. Hyper connectivity has potential to increase the awareness of societies about climate change and cultural development.

Yalova has an area of 847 km² and the city population in 2018 is 262,234 people, and the urban population is 124,956 people. The prominent sectors in Yalova are shipyards, chemistry (carbon fibre), tourism and agriculture. (Governorship of Yalova: 2020). It is stated that the January-September 2021 period exports of Yalova shipyard region increased by approximately 53.5 percent compared to the same period of the previous year, from 246.675\$ to 378.582\$. It is emphasized that the share of Yalova in the sector's total exports is %38.34¹. (Anadolu Agency: 2021) It has been stated that the total number of employees in the shipyards is around 25 thousand². (Deniz net: 2019).

Specific skills related to the project

Yalova is already started green ve digital projects. Under the guidance of the Ministry of Environment Urbanization and Climate Change, the leadership of the Scientific and Technological Research Council of Türkiye (TÜBİTAK) the “Yalova Climate Change Action Plan” (YIDEP) was prepared with the support of Yalova Municipality. The plan was announced to the public on October 7, 2022. YIDEP consists of 218 pages, 49 reduction plans, 57 adaptation plans with the Key Performance Indicators (KPIs). It has been defined to support in decision making to city managers, industry sector and all city stakeholders and citizens including youth and disabled people.

Proposed activities for the project

A project called “Smart Signage” by Yalova municipality has already commenced where transferring independent building stocks to digital portal works for resilient and smart city

¹ <https://www.aa.com.tr/tr/ekonomi/yalovanin-gemi-ve-yat-ihracati-9-ayda-yaklasik-yuzde-53-5-artti/2394743>

² <https://www.7deniz.net/haber-yalova-tersanelerinde-25-bin-kisi-istihdam-ediliyor-30717.html>



Today, unfortunately, because of its scattered situation, efforts to collect and process climate change and traffic data in Yalova are difficult. YIDEP showed us which data should be collected and developed relevant KPI. YIDEP will be the main source of information for our project for Yalova. As far as is known, no holistic study has been conducted against climate change and traffic in Yalova. The biggest challenge of the project can be considered as obtaining scattered data, digitizing and on-line flow over IoT, artificial intelligence applications and displaying it on the United Nation Sustainable Development Goal (UN SDG)

The "carbon border adjustment tax mechanism" that will be faced by businesses in the near future is gaining importance. In Türkiye, "The European Union (EU) has a share of 41.3% from our exports with 69 billion dollars in 2020 and ranks first in our total exports. The European Green Consensus, which foresees that climate change will penetrate all policies of the EU, including industrial and trade policies, was announced on 11 December 2019. The changes targeted by the European Green Deal cover a range of areas from industry to finance, from transport to energy and agriculture."³ ((Ministry of Commerce:2021). By concretizing the process with the "Fit For 55" study on 14 July 2021, the EU decided to gradually transition to carbon tax on 1 January 2023, to end the gradual transition on 31 December 2025 and to implement tight rules on 1 January 2026. The carbon footprint measurement interface for natural person and legal entity will be studied on the digital web page to be created by the project. It is expected that the enterprises in partner cities can cooperate in the project against climate change. It is also expected that enterprises in both cities will allocate funds to supply equipment (IoT sensors) and share data which is out of scope this project very near future.

In co-operation with our partner working on Voluntary Local Review (VLRs) and sustainability and Smart City Climate Action Plan strategies and roadmaps for digital maturity with an innovative perspective. As part of the process, climate and traffic data will be generated, acquired, standardised, stored and publicized as numerical data. This numerical data will be published on the web portal after simulation process to draw attention. Performing simulation, impact and vulnerability analysis studies on data by utilising Internet of Things (IoT), data mining, Artificial Intelligence (AI), cloud technologies.

References

Previous research project

Project acronym / starting date	Main objectives	Main activities	Role in the project
Time and Space Independent Public Administration (ZAMBAK) 180.000€ (Started date 2012 Finished date 2014)	A digital public administration base, which allows public employees to work remotely and flexibly, was built.	ZAMBAK), which was put forward with empirical practice in Yalova Municipality at 2012, has been proven to be a correct job with remote and flexible working with the Covid-19 pandemic	Leader (Empirical practicals go on)
« Yalova Climate Change Action Plan" (YIDEP) 48.000€ (17 Nov 2022)	YIDEP consists of 218 pages, 49 reduction plans, 57 adaptation plans with the Key Performance Indicators (KPIs).		Coordinator

³ Ministry of Commerce of the Republic of Turkey; (2021) <https://ticaret.gov.tr/dis-iliskiler/avrupa-birligi/sinirda-karbon-duzenleme-mekanizmasi> 02.02.2022



Suoren DAM 17.000.000\$	Yalova Municipality, OSBs, PPP (Public Private Partnership)	An attempt was made to build a 6 million cubic meter dam with solar panels on it.	Coordinator
Drive To Survive (Horizon- Town Twinning)	Portugal, Turkiye	In co-operation with our partner working on Voluntary Local Review (VLRs) and sustainability and Smart City Climate Action Plan strategies and roadmaps for digital maturity with an innovative perspective on climate change.	Leader (the file is in the final)