



GREEN ROUTES | IZMIR

*Learning about sustainable trends in European cities
and promoting sustainable solutions in urban areas*



Green Routes

Erasmus+ Project Key Action 2: Cooperation for Innovation
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How to use the guide?

This guide is accompanied by an Augmented Reality APP: “green routes” which can be downloaded from the Green Routes website at the link: <http://greenroutes.eu>

After download, open the app, select the corresponding city from the menu and frame the photos, to access extra multimedia content.

Green Routes

Learning about sustainable trends in European cities

The deteriorating state of the natural environment, the number of species of flora and fauna threatened with extinction and, last but not least, the accelerating rate of climate change are real threats not only to the fate of future generations. Many of the negative consequences of reckless human activity, which sustainable development measures are trying to prevent, are already affecting us today. These include, for example, natural disasters and the accompanying phenomena of hunger and impoverishment. In the case of global warming, scientists also agree: we must act now. The situation is similarly bad when it comes to natural resources - many deposits are already running out and their extraction is becoming increasingly costly and damaging to the ecosystem.

The idea of sustainable development postulates social and economic progress that takes place without reducing the ability of future generations to meet their needs. At the heart of sustainable development theory is concern for the state of the natural environment and the preservation of its riches for generations to come.

Sustainable development is not just about reducing the negative impact of human activity on nature, but this is undoubtedly its primary objective. Specifically, adult education is a driver in the interconnections of the three dimensions of sustainable development (economic, social and environmental) and can contribute to the UN's 2030 Agenda. Sustainable development is an organizing principle for meeting human development goals while also sustaining the ability of natural systems to provide the natural resources and ecosystem services on which the economy and society depend. There is a real need for education for sustainable development, and especially non-formal education has a very high impact.

The Green Routes project aims to contribute to sustainable development as a small stepping stone towards a better future for ourselves and our children. Our main goal of Green Routes is to create a toolkit to promote sustainable solutions and trends in urban areas. How do we do it? Through innovative digital tools and creative solutions.

We would like all participants of the project to be conscious about being more sustainable as a community, organizations and individuals. We expect them to be ready to share their new knowledge, to teach and encourage others and to get involved.

That is why we have chosen 5 interesting stops in each partner city, which will show the best sustainable innovators in our city. The Green Route consists of a short description and covers a map. Each stop covers at least 3 sustainable development goals out of 17. The 17 SDGs are no poverty, zero hunger, good health and well-being, quality education, gender equality, clean water and sanitation, affordable and clean energy, decent work and economic growth, industry, innovation and infrastructure, reduced inequality, sustainable cities and communities, responsible consumption and production, climate action, life below water, life on land, peace, justice, and strong Institutions, partnerships for the goals.

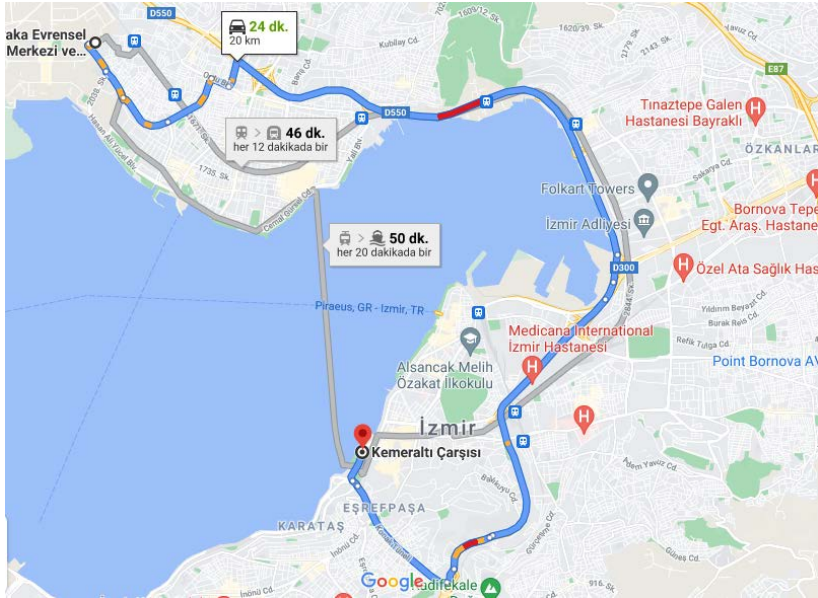
You can find more information about tours, further project results and project on the web page <http://greenroutes.eu/>

Do not forget to check your knowledge on sustainable development and sustainable innovators in your city here <http://greenroutes.eu/#>

Please enjoy the tour!

Green Routes IKCU Route in Izmir

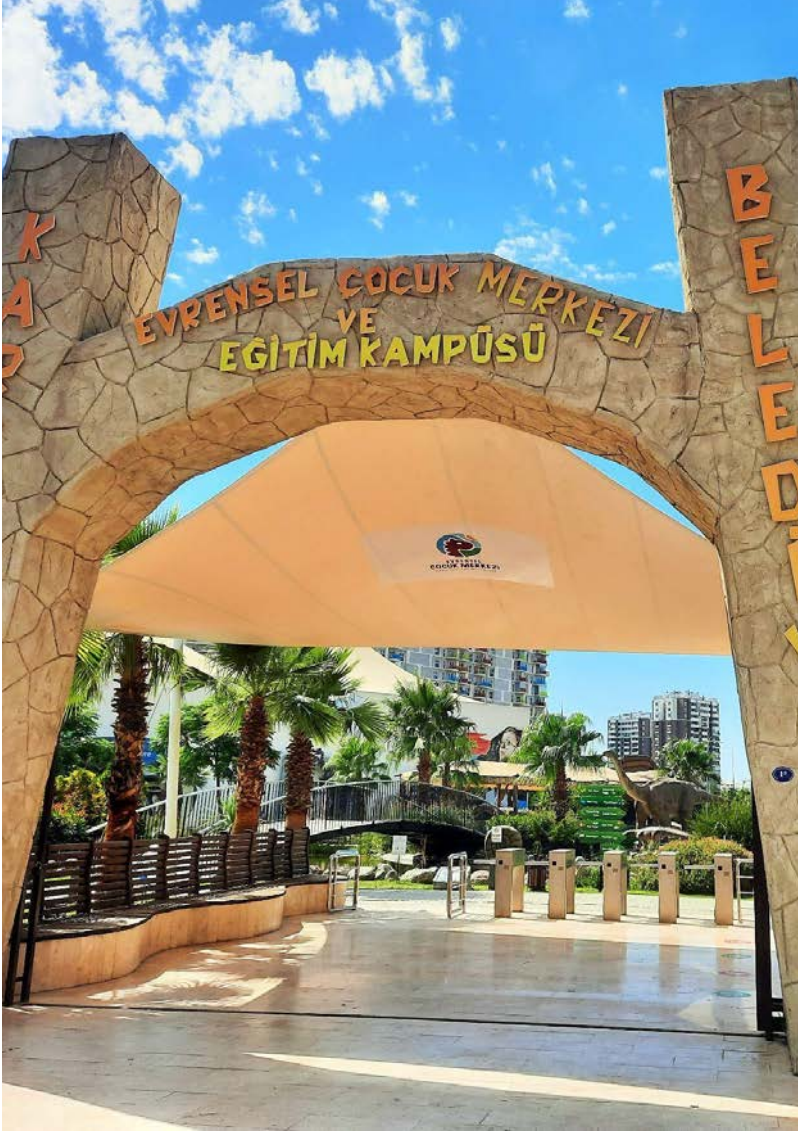
by walking, tram & ferry 10 km, 4 h - 5 stops



Izmir began to develop economically in the late 16th century and became one of the most important trading ports of the East for European trade from the beginning of the 19th century. Its population grew rapidly in direct proportion to its economic importance and it became the most developed city of the Ottoman Empire after the capital Istanbul. During this period, Izmir's cosmopolitan commercial life was dominated by the French, English, Dutch, German, Italian, Austrian and Levantine merchant groups who settled in Izmir, as well as Russians, Jews and Greeks. By the end of the 19th century, the population of Izmir, which was mostly composed of non-Muslims, was estimated to be around 230,000. In addition to the buildings constructed by the Ottoman administration, many buildings belonging to non-Muslims were also built or renovated during this period. Many public buildings,

commercial buildings such as caravanserais or khans, civil buildings such as cortejos and Levantine mansions, and religious buildings such as mosques, synagogues and churches have survived as cultural heritage from this period. Izmir's population, which barely exceeded 1 million in 1960, has reached nearly 4.5 million as of 2021 due to the migration. Dense urbanization, growing industry and port trade, and growing population make the need for the use of renewable energy sources on a city scale, zero-carbon economy, and environmentally friendly waste management more and more apparent every day. In this context, in order to raise awareness of future generations on issues such as greenhouse gas impact, climate change, sustainable energy sources, low carbon emission, sustainable city, responsible production and consumption, clean energy, recycling, restoration and innovation in line with the United Nations Sustainable

Development Goals, it is aimed to visit the locations of eco-friendly projects in Izmir as part of a 'Green Route'. Thus, it is aimed to raise environmental awareness through practices that contribute to the reduction of greenhouse gas impact and the protection of nature as well as the creation of a culturally sustainable city. In this context, 5 visit points were identified in Izmir city center, namely Universal Children's Centre, Zero Carbon Point Education Centre, Eco-Friendly Bus Stop, Meeting with an Artist within the scope of Garbage to Art and Historical Bazaar of Kemeraltı. Students between the ages of 11-13 studying in 5th, 6th and 7th grades constitute the target audience of the tour. While Homer from Izmir was the main character of the tour, other characters including a scientist, an environmental engineer, a bus driver, an artist and an art historian were portrayed by the students of Izmir Kâtip Çelebi University, Faculty of Tourism, Department of Tourism Guidance.



Universal Children's Centre

Universal Children's Centre

ADDRESS: Mavişehir Mahallesi, 6500 Sokak No: 1 Karşıyaka, İzmir



It was established in 2017 as the children's educational campus with the theme of 'Universal Values' by Karşıyaka Municipality. All activities and education courses within the Karşıyaka Universal Children's Centre have been prepared by the Ankara University Faculty of Fine Arts and Ankara University Children's Culture Research and Application Centre Board Presidency with content in accordance with the curriculum of the Ministry of Education. This project, which started with the idea of education, entertainment and imagination, has become a center of attention that visitor children want to come back not only once, but at different times. In the Environment and Respect scenario room, information about recycling, waste, renewable energy sources and organic agriculture is shared with the children.

www.evrenselcocukmerkezi.com



Zero-carbon Point Education Centre

Zero-carbon Point Education Centre

ADDRESS: Mavişehir Mahallesi, Aziz Nesin Bulvarı, 35590
Karşıyaka, İzmir



The Zero Carbon Point Project, prepared in partnership with Lifelong Learning, Vocational Education and Development Association, Aegean Forest Foundation, Germany-based RENAC energy & climate GmbH and Karşıyaka Municipality, was implemented in 2020. Zero Carbon Point Education Centre aims at raising awareness at the public level on environment and energy, low carbon urbanization, green economy, sustainable development. The aim of the project is also to develop sustainable dialogue between organizations in Germany and Turkey for cooperation about environmental issues. With the project, on-site observation of activities that will contribute to the reduction of greenhouse gas emissions, the adaptation of components in the renewable energy sector to daily life and the efficient use of natural resources will be exhibited. Training modules on combating climate change, sustainable energy resources, zero carbon economy, waste management and green economy were created in the center. The students are trained with new generation learning technologies by the Aegean Forest Foundation. The educational content includes climate change, conservation and consumption balance of natural resources, ecology,

forest, zero carbon technology, renewable energy, energy efficiency, and low carbon urbanization. There are solar panels and a wind turbine to generate electricity with renewable energy in the center. Visitors can charge their small electronic devices by converting kinetic energy into electrical energy with two bicycles in the garden. Creating a visual feast by storing the energy it receives from the sun, illuminating its surroundings at night, the 'Sun Tree' reveals an innovative and modern design in which renewable energy sources are used on a city scale. While guests are resting in the shade of the tree, they also have the opportunity to charge their small electronic devices.

www.egeorman.org.tr/en



Eco-friendly Bus Stop

Eco-friendly Bus Stop

ADDRESS: Bahribaba Aktarma Merkez, Konak, Izmir



The bus stop called “Green Bus Stop” was developed by Metropolitan Municipality of Izmir in line with the strategy to develop green infrastructure. The first sample of it was located in a very busy hub. This stop helps to decrease the effect of heat island in the hub of municipal busses by absorbing carbon dioxide from the air. It has a roof garden which provides natural habitat for the creatures and uses rainwater collected. In the garden, plants which catch dust and cleans the air were used.

www.izmir.bel.tr/tr/



From Rubbish to Art (Meeting with an Artist)

From Rubbish to Art (Meeting with an Artist)

ADDRESS: Bahri Baba Parkı Yeşiltepe, 35360 Konak, İzmir



Today's society generates an enormous amount of waste. As a result, recycling has become an essential action to protect the environment. Within this area, two approaches have emerged, downcycling and upcycling. In the former, the resulting objects lose quality as a result of the process, while in the latter they acquire value thanks to the creative intervention. The environmental benefits of recycled art include, for example, its contribution to the use and extending the useful life of materials and, as a consequence, by reducing the amount of waste generated. Recycled art can be found in a painting, in a sculpture or in the furniture in a house. Dilek Saygı, graduated from Çanakkale Onsekiz Mart University, Department of Handicrafts, transforms waste such as paper, cardboard, wood, glass, plastics, metals and rubber into works of art. Her first solo exhibition “from Rubbish to Art” was held in 2019 with thirty pieces of works. The artist draws attention to global pollution and emphasizes how the materials that evolve into works of art can actually be used for different purposes with the understanding called upcycling.



Kemeraltı Historical Bazaar

Kemeraltı Historical Bazaar

ADDRESS: Hisarönü, 35250 Konak, İzmir



Kemeraltı is a historical market (bazaar) district of İzmir, Turkey. It remains one of the liveliest parts of İzmir. It dates back to the 16th century and houses many historical buildings, commercial buildings such as caravanserais or religious buildings, synagogues, mosques. Some of these buildings are intact, some of them are in ruins. However, one by one they are restored and retain their previous function or gain new functions. There are a lot of shops selling different local products, foods etc. through the narrow streets of these historical bazaar. Kızlarağası Inn is located inside the colourful Kemeraltı Market. Kızlarağası is a beautiful historical inn that dates from the 18th century. Visiting Kızlarağası, a favourite among İzmir locals and tourists, is like taking a journey back in time.

www.izmir.ktb.gov.tr/EN

Referring partner:



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Project:



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<http://greenroutes.eu>