

# BEBKA News

Bursa Eskişehir Bilecik Development Agency

[www.bebka.org.tr](http://www.bebka.org.tr)

PUBLISHED QUARTERLY

• Year 2 • Issue 7 • July-August-September 2013

## Scientific and technological bases of development: Universities and technoparks

### DEVELOPMENT BOARD MEETING WITH THE NEW MEMBERS

The new members of the development board, undertaking the duties of support, recommendation and consultation, will serve until 2017.

### 2023 TARGETS WILL BE ACHIEVED WITH THIS PLAN

2014-2023 Draft Regional Plan considered as the road map of regional development for the next 10 years has been completed.

### ASSOC. PROF. DR. CEVAHİR UZKURT, GENERAL DIRECTOR OF SCIENCE AND TECHNOLOGY

'You cannot be a worldwide brand with traditional methods'



## 2023 targets will be achieved with this plan

**2014-2023 Regional Plan Draft, characterized as the road map of regional development for the next 10 years has been completed. The Plan submitted to Ministry of Development for receiving opinion will finally be approved by Regional Development High Commission.**

Bursa Eskişehir Bilecik 2014-2023 Regional Plan Draft conducted under the coordination of Bursa Eskişehir Bilecik Development Agency has been prepared with the great contribution of public institutions and organizations, non-governmental organizations and private sector representatives. The plan is a strategic document having contents and strategies that will shape the regional

development.

The problems and potential of the region have been analysed by carrying out detailed current situation evaluations regarding economic, social and cultural sectors within the scope of plan preparation works.

First of all, district visits have been conducted within the scope of participatory meetings. As a result of meetings and survey studies carried

out in districts, 33 district reports have been prepared. 18 Advisory Committee meetings have been conducted under the titles of 'Industry', 'Tourism', 'Agriculture, Agro-industries and Forestry', 'Environment Energy and Natural Resources', 'Spatial Development and Accessibility' and 'Social Structure'. Advisory Committee reports have been prepared. In Region Plan

Workshop where all region shareholders have gathered together, vision of region and projects regarding the vision have been discussed. Surveys have been conducted through internet and e-mail about regional development priorities. Opinions of over 1500 people on regional development priorities and targets have been received.

## An increase observed in investments with new incentive system

**One-year-practice results of the new incentive system were announced. 239 incentive certificates in Bursa, 61 incentive certificates in Eskişehir, 31 incentive certificates in Bilecik of TR41 Region were prepared within the period.**

One-year-practice results of the new incentive system, which are also technically called Investment Incentive Program and entered into effect last year in June, have been announced publicly. Bursa and Eskişehir are in 1th region, and Bilecik is in 3rd region in the new incentive system. In this system during one-year-period, the anticipated investment amount in TR41 Region

has been declared 6 billions 201 million TL. Anticipated investments for one-year-period are estimated to provide a high level of employment including 12.941 people.

According to the report; in the past 1 year 331 new Investment Incentive Certificates were prepared in many sectors such as vehicles, weaving, clothing, energy and glass in Bursa, Eskişehir and Bilecik. Bursa is the



second province after Istanbul with the highest number of incentive certificates prepared. Thus, Bursa takes place near the top in the country not only for employment, but also for investment amount.

7.689-person-employment and incentive certificated investment valuing 3 - thousand - 101 - million - TL are estimated in Bursa for the the year. Although certificate number in

Eskişehir is less than the one in Bursa, it is observed that there is 2 - billion - 183 - millions - TL investment amount thanks to large-scale energy and mining investments. Bilecik has come to prominence with its growing industry in recent years. And in Bilecik, incentive certificated investment decisions valuing 917 - million - TL have been made.



# Academic support to industry



Total of 6 universities in Bursa, Eskişehir and Bilecik carry out successful projects showing the university-industry cooperation. Moreover, BEBKA is supporting this university-industry and university-public cooperation with the protocols signed with these universities.



## ULUDAĞ UNIVERSITY

It is at the top like the mountain it is named after

Uludağ University which is the first university of Bursa is one of the most important and respected universities of Turkey.

Uludağ University, which was established with two faculties in 1975; has gradually grown from that day on and now gives service with 12 faculties, 3 junior college, 16 vocational schools, 1 conservatory, 4 insti-



tutes, 18 research and application centres and 5 departments. Uludağ University having approximately 45 thousand students is supporting the socio-economic development of its shareholders by focusing on converting the knowledge it produces into technologic and innovative production with an understanding of entrepreneurial university by go-



ing beyond classical university understanding. The university aims at increasing the number of published articles and patents, giving priority to the projects regarding universi-

ty-industry, university-public cooperation and being a solution partner for the problems of the city.

## BURSA TECHNICAL UNIVERSITY

Brand-new university of the industrial city

**Bursa Technical University, the second state university of Bursa which is one of the most important industrial cities of Turkey, is pulling out all the stops with its academic staff in order to meet expectations.**

In 2010, Bursa Technical University was established as the second state university of Bursa with 6 faculties, 2 institutes and 1 junior college. The



establishment of Bursa Technical University was formed in line with the expectation of the public. The university has over 500 students in Natural Sciences, Faculty of Architecture and Engineering, Maritime Faculty, Faculty of Humanities and Social Sciences, Faculty of Forestry, Communication Faculty, Faculty of Art and Design, Institute of Social Sciences, Institute of Science and The School of Foreign Languages. In University which is continuously developing, the number of faculty member has reached 64. It is targeted that the number of students and faculty members increase with new departments.





**BURSA ORHANGAZI UNIVERSITY**

The first foundation university of Bursa Bursa Orhangazi University has started as the first foundation university of Bursa. University administration has higher targets for the future holds

Bursa Orhangazi University was established in 2011 by the Uludağ Cultural and Educational Foundation. The university giving education in Yıldırım Campus is planning to establish new campuses in future. The university which started education with 240 students in 6 departments under the roof of 3 faculties in 2012 has 300 students registered this year. In university which also has 1 junior college and 2 institutes, the



'Industrial Applied Mechanics Laboratory' under construction with the support of BEBKA will begin providing service next year.



**ANADOLU UNIVERSITY**

The university breaking grounds Anadolu University which has an importance role in Eskişehir's becoming a university city is continuing to be a good example with the projects it carries out.

Eskişehir Academy of Economics and Trade Sciences which was established in 1958 forms the basis of Anadolu University. The institution which turned into Anadolu University in 1982 has taken its place in



education sector as a modern, dynamic and innovative university. The university breaking grounds with 16 faculties, 3 junior college, 1 state conservatory, 4 vocational schools, 9 institutes, 25 research and application centres and 15 research-development-application departments has been taken as an example by



many countries with its success in developing its education system. The student number of three faculties giving distance education has exceeded 2 million and the number of on-campus students is 24 thousand 172.



**ESKİŞEHİR OSMANGAZI UNIVERSITY**

Plane tree of Eskişehir

Eskişehir Osmangazi University which has scientific knowledge of 43 years is among the prominent universities of Anatolia.

The establishment of Eskişehir Osmangazi University dates back to 1970 which is the establishment date of Medical, Engineering-Architecture, Science and Letters Faculties starting the university life in



Eskişehir. In 1993, a new university was established under the name of Osmangazi University and Faculty of Medicine, Engineering-Architecture and Arts, Health Services and Eskişehir Health Services Vocational Schools, Sciences, Metallurgy, Institute of Medical Sciences, School of Economics and Administrative



Sciences and Institute of Social Sciences were connected to this university. In university whose name was changed as Eskişehir Osmangazi University in 2005; over 25 thousand students are receiving education in 10 faculties, 5 institutes, 3 junior colleges, 3 vocational schools and 1 conservatory.



**BİLECİK ŞEYH EDEBALI UNIVERSITY**

Rising science institution in Bilecik

Bilecik Şeyh Edebali University is aiming at creating a new world for the future with strong bonds of the past.

Bilecik Şeyh Edebali University, which was established in 2007, began carrying out its education and training activities after Prof. Dr.



Azmi Özcan was appointed as the Rector in 2007. The university beginning its education and training activities with a faculty and six vo-



ational schools in 2007 completed the administrative and academic structuring of Engineering Faculty, Institute of Social Sciences and Institute of Science in 2008-2009. The university, which has 6 faculties, 2 institutes, 2 junior colleges and 7 vocational schools in total, has 13 thousand 500 students.





## ‘You cannot be a worldwide brand with traditional methods’

**Assoc. Prof. Dr. Cevahir Uzkuurt, General Director of Science and Technology, pointed out the importance of innovation and stated that companies do not have a chance of becoming a worldwide brand by using ordinary production methods.**

General Directorate of Science, Industry and Technology are carrying out works to provide a more competitive structure for industry. General Director Assoc. Prof. Dr. Cevahir Uzkuurt gave information about activities performed by the institution and stated that they support new ideas, and innovation is prerequisite for companies to maintain their busi-

ness in future. In our conversation with Uzkuurt, he said: ‘We cannot be a worldwide brand by using ordinary production methods. Our products must have an innovation, preferability and a chance for competition. Today, the way for all these is to produce information and to transform this information into commercial products.’ And he continued: ‘It

is must for our companies to act in accordance with global competition and to make production according to this. We should improve current science, technology, R&D and innovation ecosystem, and then build institute relations and roles on a solid ground. We should also build more effective supporting mechanisms, manage R&D funds in a correct and

effective way and maintain this structure. As General Directorate, we will continue to lead and will support works in this direction. Any stage of from-idea-to-market processes will be supported, and any invention or idea having chance for commercialization will not be lost or be waited.’

## Sharing Experience in the Competitiveness Institute Global Annual Conference



**16th TCI Global Annual Conference was held in Denmark with the participation of many cluster representatives, academicians, authorities of development agencies and clustering institution representatives from all around the world. In the conference, in which BEBKA also participated, latest developments about clustering were discussed.**

16th Global Conference organized by The Competitiveness Institute (TCI) was held in Kolding (Denmark) between 3-6 September with more than 300 participants from 40 countries.

There were regional development agencies, government officials, cluster representatives and academicians among participants. In the conference, the most remarkable issue was

the adoption of competition perception between clusters by all worldwide clusters. It was analysed that the new trend of the world is heading for cluster competition rather than company competition. It drew the attention that cluster perception has become a culture in many countries; mainly in European countries after the cooperation of regional governments, non-governmental

organizations, universities, public authorities and private companies.

### CLUSTER IN OUR REGION

Eskişehir Bilecik Kütahya (EBK) Ceramic Working Cluster, the first cluster of Turkey with legal entity, is in our region. In addition, Furniture Cluster of Inegöl, Rail Systems and Aviation Clusters of Eskişehir have sample cluster structures and carry

on their activities. BEBKA also supports cluster activities in the region. A study about clusters analysing the region carried out by BEBKA. Awareness studies, training support and financial support programmes are some other activities that BEBKA is working on.





# Technology valleys!

Technology development companies operating within the body of ULUTEK and ATAP are working for the development of Turkey with their all powers. Projects developed after long researches in ULUTEK and ATAP are making a huge contribution to employment and export.



## The star of ULUTEK is shining'

**ULUTEK rising sixth rank among technoparks country-wide with technology and added value that it has created is one of the important technology development regions.**

Prof. Dr. Agaz Uğuz, General Director of Uludağ University Technology Development Region (ULUTEK) which has become prominent recently with its added value and projects created among technology development regions, said that they produce instructive projects for entrepreneurs and those who have ideas, and they made important progress in a short time. Uğuz added that ULUTEK's partners are

Uludağ University, Bursa Chamber of Commerce and Industry, Bursa Metropolitan Municipality, Bursa Provincial Special Administration and Uludağ Exporters' Association, and it makes it unique as a techno park supported by all local authorities. Uğuz also said; 'We will continue to create added value for our city and country increasingly by supporting our young entrepreneurs and inventors. 87 companies operate in ULUTEK.'

With projects produced by R&D companies in ULUTEK, it has contributed directly to economy by exportation in addition to technology. Since foundation, total amount of exportation done by companies with Germany, Italy, Singapore, Morocco and England has reached to 612.000 dollars.

## ATAP puts Eskişehir over the top

**ATAP puts Eskişehir over the top; which has important projects related to advanced material technology, ceramic, nanotechnology, biotechnology, aviation and defence industry.**

Anatolian Technology Research Park (ATAP), which is the first techno park of Turkey, was established with the cooperation of Eskişehir Chamber of Industry (ESO) and Anadolu University. The General Director of ATAP Corporation Fazıl Aydınmakina said; 'Today, there are 62 R&D entrepreneurial companies in the region. As Eskişehir Technology Development Region (ETGB) administrative company ATAP we

have broken grounds in our country by carrying out successful efforts and creating a synergic working environment in forming the partnership that will provide the necessary industrial support in converting technological added values obtained from the studies carried out by university faculty members into the product and manufacturing capabilities of companies into technological product and industrial design.

Aydınmakina stated that a perception has been created, which contributed to success and technology for life in Eskişehir. He also added; 'This perception is a symbol for a culture which gives a chance for an advanced technology special to Eskişehir. And this may provide a Technology Valley structure to Eskişehir.'





# Success Stories



## Waste flue gases will turn into cooling energy

With the support of BEBKA, S.A.İ Energy R&D and Engineering established in Bursa has designed a device that produce cooling energy from waste flue gas. Thanks to this device significant saving is gained in electricity consumption of the business.

Another project regarding energy conservation was carried out in with the support of BEBKA in Bursa. Bener Kurt who gives information about the project and is the partner of S.A.İ Energy R&D and Engi-

neering Services Ind. Trade. Co. Ltd, stated that significant electrical savings can be achieved by converting high energy in hot waste gases into cooling energy thanks to the Absorption Cooling Device Appropriate for Low-Temperature Waste Flue Gases. Kurt said that thanks to the replacement of energy with the waste heat the electricity expenditures of the business can decrease.

## The light of old eyes shouldn't dim

**Eskişehir Osmangazi University Medical Faculty Department of Eye Diseases has put a sample project into effect by receiving support from BEBKA for the early diagnosis of retinal diseases causing vision loss in people over 65.**

After realizing the projects supported by BEBKA, Eskişehir Osmangazi



University (ESOGU) Medical Faculty Department of Eye Diseases has succeeded a project that will set an example for Turkey. With the support received from BEBKA, treatments and diagnoses were performed for the early diagnosis of retinal diseases causing vision loss in 4 thousand people over 65. ESOGU Medical Faculty Department of Eye Diseases Faculty Member Prof. Dr. Hikmet Başmak stated that they started their activities in order to raise consciousness about retinal diseases affecting especially people over 65 and to diagnose these diseases early. He also said that the aim of the project was to inform people about diseases causing vision loss in elderly people and protect vision loss with early diagnosis and treatment.

## Bilecik Şeyh Edebali University is working for 'clean water'

**Bilecik Şeyh Edebali University has started producing high performance next generation membrane for purifying industrial wastewater with the support received from BEBKA.**



Bilecik Şeyh Edebali University has put into effect the project 'Preparation and Characterization of Polymer and Metal oxide Matrix Composite Ceramic Membranes and Analysing of their Applicability in Wastewater Purification Technology' with the support it received within the scope of BEBKA's 2011 Environment and Energy Financial Support Program. Project Coordinator Health High School Manager Professor Doctor Erdal Eren emphasized that increasing knowledge about membrane production and qualified manpower in Turkey is necessary. He also said that they aimed at developing high performance next generation membranes that can create solutions according to the water type to be purified in Bilecik Şeyh Edebali University Department of Chemistry.