The supply of energy in a continuous, safe, economical, and environment-friendly manner is key for economic and social development, improvements in quality of life, and an increase in welfare. Based on this and inspired by Turkey’s increasing role as an energy hub and importance in the global energy equation, I was honored to accept the offer to become the Director of IICEC in January 2017. Since then IICEC has:

- published the IICEC Energy Market Newsletter, providing our insights on natural gas, petroleum and renewable market developments;
- developed a new series of IICEC Energy and Climate Research Papers to be published in 2018, to be authored by our in-house research associates, Sabancı University faculty members and IICEC’s network of international energy experts;
- began building an advanced Turkish energy model (IICEC-Sabancı University TIMES Energy Model - ISTEM) to produce flagship publications and be the analytic underpinning for a variety of research projects;
- hired in-house research associates to work in IICEC’s office in Karaköy; and
- increased collaboration with the Sabancı University that will result in a variety of joint papers and projects.

IICEC aims to inform policy makers, industry executives, academics and opinion leaders on key energy challenges and provide them with objective and in-depth analysis. We work with industry, international organizations, think tanks and other research bodies, establishing a network of cooperation with other universities in the region and in the world. We foster the exchange and development of ideas by providing a distinguished platform gathering key stakeholders involved in energy and climate fields.

High-level events, such as the IICEC International Energy and Climate Forum and World Energy Outlook Turkey Launch will, of course, continue. We will also develop seminars on particular energy and climate policy topics. These will include both specialists in priority policy issues as well as Turkey’s top business, government and academic leaders.

Ms. Güler Sabancı’s vision for IICEC drives our energy and climate research agenda. IICEC research agenda is also inspired by Dr. Fatih Birol, Executive Director of the International Energy Agency and IICEC’s Honorary Board Chairman. In line with Ms. Sabancı and Dr. Birol’s guidance IICEC has also established closer collaboration with Sabancı University working with President Zehra Sayers to fulfill a bigger role in Sabancı University’s energy and climate research agenda and graduate education.

I am pleased to provide this forward to the IICEC Annual Report 2017. It describes our current research agenda, the background and works of our research staff, our 2017 events and highlights from our previous events. We expect that each subsequent IICEC Annual Report will reflect the returns we will earn on our current investments that allow IICEC to grow and realize our vision and mission:

Istanbul International Center for Energy and Climate (IICEC) is a future-oriented independent research and policy center designed to conduct objective, high-quality economic and policy studies in energy and climate. IICEC efforts will help the development of solutions to a sustainable energy future for the region and the world.

Prof. Carmine Difiglio, Director

About Prof. Carmine Difiglio

Prior to becoming IICEC’s Director, Professor Difiglio served as the Deputy Assistant Secretary for Policy Analysis at the U.S. Department of Energy and Head of Technology Policy at the International Energy Agency (IEA). He is a featured speaker on topics ranging from the international oil market, improving energy security, how to reduce greenhouse gas emissions and the prospects for avoiding the worst consequences of global climate change. His speaking engagements include Chatham House, the Aspen Institute, the International Seminars on Planetary Emergencies and numerous conferences in London, Istanbul, Paris, Vienna, Amsterdam, Lisbon, Geneva, Madrid, Rome, Milan, Delhi, Mexico City, Rio de Janeiro, and many American cities. Professor Difiglio also serves as Co-Chair of the World Federation of Scientists’ Permanent Monitoring Panel on Energy and as a Distinguished Associate of the Energy Futures Initiative. He has chaired several professional committees in various organizations including the U.S. National Academy of Sciences and the International Energy Agency. His publications include a wide variety of modelling and policy assessments concerning energy efficiency, motor-vehicle fuel economy, alternative energy supplies, greenhouse gas emissions, international oil markets and energy security. Professor Difiglio received his Ph.D. from the University of Pennsylvania.
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Analytic Activities 2017
**ENERGY MARKET NEWSLETTER**

The Energy Market Newsletter is a unique product of intended to provide up-to-date insights and accurate information to business executives, academia and government, on key global and regional energy challenges. This is in line with the IICEC mission of helping the development of solutions to a sustainable energy future for the region and the world.

The Newsletter accounts for the strategic position of Istanbul, where Europe and Asia meet, located at the crossroads of almost all current and emerging energy players, both on the producing and consuming sides of global energy markets. Hence, utilizing this strategic position, with the IICEC Newsletter, we are providing up-to-date information and data within a reader-friendly publication.

The IICEC Energy Market Newsletter includes a roundup of industry news, business changes that impact customers, statistics and data. There are legislative and policy updates, monthly business recaps, news articles on and analyses of relevant energy issues, reports on IICEC activities, notices of upcoming events, contributions from IICEC Members and a behind-the-scenes look on global energy developments. Most of all the Newsletter provides unique analytic insights to global and regional energy developments that distinguish it from an ordinary news blog.

**ENERGY AND CLIMATE RESEARCH PAPERS**

During 2017, IICEC has laid the foundation for the upcoming Research Paper Series by hiring in-house research staff. Outputs comprise forthcoming IICEC Energy and Climate Research Papers authored by prominent international energy experts and are also co-written in collaboration with Sabanci University faculty.

While the papers include engineering research, scientific and economic analysis, their main purpose is to convey accessible energy and climate policy messages to our stakeholders and the larger IICEC audience. The series began with research projects initiated in the Fall 2017 Academic Year working with new IICEC in-house research staff, faculty at Sabanci University and outside experts.

The resulting reports and policy papers are being published in 2018 and, at the time of the publication of this IICEC Annual Report 2017, The Return of Boom-Bust Oil Price Cycles by Robert McNally, President of Rapidan Energy Group, has been published. McNally contradicts the usual narrative we have seen and shows why oil price volatility is a permanent feature of the oil market, when it lacks a strong oil price manager like John Rockefeller or the Texas Railroad Commission. McNally’s combination of economics and his historical narrative shows that the world economies will continue to be buffered by sharp oil price swings and provides some policy advice to help avoid them and their worst consequences.

Papers that will be published:

- Using Natural Gas as an Environmentally Sustainable Power Source with Solid Oxide Fuel Cells
- Building Sector Energy Efficiency, What is Holding it Back and What to Do About It
- Carbon Capture Storage and Utilization in Turkey
- Supply Dynamics Among the Big Three Oil Producers: Russia, Saudi Arabia and the USA
- Fuel Cells in Transportation
- Understanding the Evolving Turkish Power Market
- Costs and Benefits of Electric Vehicles in Turkey

**IICEC-Sabanci University TIMES Energy Model (ISTEM)**

During 2017, one of the major IICEC projects was the new IICEC-Sabanci University TIMES Energy Model (ISTEM), an international energy technology and energy trade model that particularly focuses on the Turkish and regional economies. ISTEM is a technology-rich bottom-up optimization model under development by IICEC and Sabanci University that represents energy dynamics over a multi-period time horizon in the context of Turkish energy system.

Similar to other bottom-up models, ISTEM requires comprehensive information about each and every aspect of energy systems: 1) Primary energy resources and technologies (including domestic supply, imports, and exports); 2) Conversion and transmission technologies; and 3) Energy service consumption (energy-using technologies in the residential, commercial, industrial and transportation sectors). Since a more detailed model can provide more precise results, ISTEM will have a Reference Energy System with an advanced level of detail. For example, in the power sector, technologies are not specified as classes of electricity-generating technologies, but as separate power plants with specific information for each plant. This provides several
advantages that make the more extensive data collection effort a good investment. A model characterized at this much information will more likely accurately represent and predict the characteristics and performance of the Turkish power sector as a whole. In addition, this level of detail can accommodate knowledge about planned additions to Turkish electricity capacity (tenders, contracts, etc.). It will also provide a more accurate prediction of what the Turkish Reference Energy System will look like in future periods, since the optimization conducted for those periods will already accommodate what is expected about future power additions instead of just trying to estimate them without taking into account all current information. The same emphasis to achieve a detailed Reference Energy System is also being applied to the other energy sectors (transportation, industry, residential and commercial).

To provide enough input for the proposed data-rich model, we rely on a wide variety of databases, such as ETSAP-Technology data, IEA reports, TURKSTAT documentations, Turkish State Meteorological Service, and information about business developments that are not yet reflected in statistical databases.

Contrary to analyses that rely on econometric trends to make longer-term projections, technology scenarios serve as the only practical choice to estimate energy trends beyond a few years. A scenario provides a set of consistent assumptions that describe the main drivers of technology choice and energy use. This leads to a coherent organization of the system under study. In sum, scenarios will reflect:

- Primary resource supplies
- Energy service demands
- Energy technologies, current and future
- Policies
- Demographics and economic growth

Solving different scenarios may lead to contrasting solutions; therefore, comparing these unequal solutions can reveal important information about the role of dissimilar components in the energy system. ISTEM can be used to explore the possible energy futures assuming various contrasting scenarios. Differences among scenarios can concern:

- Government policies that would affect the energy sectors in a variety of ways, some of which would not be apparent without ISTEM analysis. These could involve stricter environmental requirements, tax regimes and incentives, policies aimed at greater Turkish energy security and many others,
- Future improvements in the cost or performance of energy-generating technologies,
- The emergence of new energy technologies or associated technologies (that affect the economic performance of energy-generating technologies),
- Changes in natural conditions that would affect the energy system,
- Turkish economic growth,
- Interest rates, and
- Other factors.

ISTEM will also provide many research opportunities. For example, in the power sector it can be used for:

1. Predicting the long-term development of the dispatched power from each technology and power plant.
2. Observing the impact of regulations\(^1\), technologies\(^2\), and market players' configuration on each energy carrier, technology, and demand.
3. Environmental effects of current technologies on the viability of each technology in the Turkish energy system.
4. Investigating socio-economic factors on interchangeable technologies and the energy demand from each source.
5. Assessing the economic viability of investments in lesser-known future technologies and their success in the context of Turkish energy system.
6. Estimating the most cost-effective combination of technologies that meet specified greenhouse gas (GHG) emission objectives.

\(^1\) Introducing new regulations or changing current ones
\(^2\) Such as breakthrough in introduced technologies or adding new technologies that were not available previously.

Important estimates and insights will also be provided for the transportation, residential, commercial and industrial sectors. For example, in the transportation sector, ISTEM will provide insights on:

1. Future Turkish light vs. medium distillate demand and impacts on the Turkish refinery sector,
2. Scenarios for plug-in electric vehicle (PEV) growth in Turkey,
3. Pressures that PEV growth scenarios could have on the Turkish grid and power supply,
4. Consumer requirements and infrastructure to enable PEV growth in Turkey,
5. Mobility as a service, and
6. Transportation-sector responses to environmental pressures.

ISTEM will address relevant policy and resource questions in all Turkish energy sectors in equilibrium (accounting for all feedbacks among sectors) producing an integrated Turkey Energy Outlook. ISTEM will show which scenarios are both sustainable and realistic, aiming towards long-term growth that can best meet a variety of policy priorities.

### RESEARCH ASSOCIATES

During 2017 IICEC has established an active energy and climate policy research program with new in-house staff and collaboration with the energy experts at Sabancı University. These professionals comprise IICEC’s Research Associates.

#### a. In-House Research Associates

**Dr. Erdal Aydın**

Erdal Aydın obtained his Ph.D. degree in Economics in 2016 from Tilburg University. He worked as a researcher at Maastricht University between 2015 and 2017. Since September 2017, he started to work as an Assistant Professor of Economics at Sabancı University. He works as a research associate at IICEC. His research focuses on different topics that are associated to the assessment and design of energy conservation policies. Some of his current research projects are: “Assessment of energy efficiency potential in Turkish building sector”, “Energy labels and capitalization of energy efficiency potential in Turkish building sector”, “Impact of building energy labels on the time on the market”, “Impact of subsidy policies on the adoption of solar PVs”.

**Dr. Danial Esmaeili Aliabadi**

Danial Esmaeili Aliabadi received his M.Sc. in Industrial Engineering from Qazvin Azad University, Iran in 2011 with high honors. His master thesis focused on the optimization of an integrated multi-item supply chain with multiple supplier and single retailer. While he was working on his M.Sc. thesis, he joined a multidisciplinary research team on the robotic field and participated in international RoboCup competitions from 2009 to 2011. As a result of his collaboration, he received many international awards. He pursued his Ph.D. in the Department of Industrial Engineering at Sabancı University, Istanbul, between 2012 and 2016.
His dissertation is in the area of electricity markets and energy planning, in which he has particularly focused on understanding the dynamics of electricity markets in the case of tacit collusion and existence of market power. Through his contribution, multiple research articles have been published in the prestigious energy journals such as Energy Policy and Applied Energy. His research interests include agent-based simulation, optimization, game theory, and machine learning.

b. Research Associates on Campus

- Selmiye Alkan Gürsel (Faculty Member)
- Mahmut Faruk Akşit (Faculty Member)
- Ali Rana Atligan (Faculty Member)
- İzak Atliyas (Faculty Member)
- Fevzi Çakmak Cebeci (Faculty Member)
- Carmine Difiglio (Faculty Member and IICEC Director)
- Umut Ekmeççi (Faculty Member)
- Ahmet Evin (Emeritus Professor)
- Mehmet Ali Gülgün (Faculty Member)
- Serap Hayat Soytaş (Post-doc)
- Gözde Ince (Faculty Member)
- İsmet İnişen Kaya (Faculty Member)
- Murat Kaya (Faculty Member)
- Kemal Köç (Faculty Member)
- Ali Koşar (Faculty Member)
- Yusuf Menceloglu (Faculty Member)
- Buğr Rısrılıoğlu (Faculty Member)
- Ahmet Oztay (Faculty Member)
- Cleva Ow-Yang (Faculty Member)
- Volyan Özgüz (Faculty Member and Sabancı University Nanotechnology Research and Application Center SUNUM Director)
- Asif Şabanovioğlu (Emeritus Professor)
- Kürşat Sendur (Faculty Member)
- Gür Çetin Şahin (Faculty Member)
- Mehmet Doğan Uçok (IICEC Coordinator)
- Füsun Ulgın (Dean of Faculty of Management)
- Serkan Unal (Researcher)
- Serhat Yeshliyr (Faculty Member)
- Mehmet Yıldız (Faculty Member)
- Alp Yurum (Researcher)
- Yuda Yurum (Emeritus Professor)

c. Collective Expertise of IICEC’s Research Associates

The Sabancı University Faculty of Engineering and Natural Sciences, Faculty of Arts and Social Sciences and School of Management are involved in a variety of energy issues and research. For example, the Faculty of Engineering and Natural Sciences is doing cutting edge research on solid oxide fuel cells, batteries for electric vehicles and power sector energy storage, wind turbines, artificial intelligence, other renewable energy generation technologies.

Besides close coordination with the faculties of the University, IICEC’s cooperation with Sabancı University Nanotechnology Research and Application Center (SUNUM) also provide an efficient, highly functional integration of research applications, in accordance with the vision of creating economic added-value and disseminating knowledge within society. Bringing together researchers with expertise spanning advanced materials, nano-engineering, smart structures and materials for energy provides IICEC with valuable in-depth capabilities.

The relationship between IICEC and the University’s faculties also enhance and encourage industry relationships and innovation in the Turkish energy industry.

IICEC’s collaboration with the Faculty of Social Sciences involves energy policy, behavioral analysis, strategy, sustainability goals, supply chain management, decision-making, and the assessment of energy security. This research relies on advanced econometric analyses and other techniques for analysing behavioral data. Geopolitical studies by eminent political scientists also support IICEC’s analytic base.

New energy policy strategies are emerging from IICEC are developed by means of this collaborative work. Hence, IICEC’s role of contributing to a safe, sustainable, and clean energy future, in line with her vision and mission is further enabled.

EVENTS 2017

Throughout the year, IICEC holds a number of regular events. High-level flagship events, such as the IICEC International Energy and Climate Forum and World Energy Outlook Turkey Launch attract distinguished invited speakers, bringing together top-level leaders of the energy world: global CEOs, heads of states, ministers and leading representatives from academia from all over the world.

We have also developed special seminar series on particular energy and climate policy topics. These will include both specialists in priority policy issues as well as new high-level events featuring Turkey’s top business, government and academic leaders. Numerous other events are hosted by IICEC that bring international speakers to present timely energy and climate research at IICEC’s headquarters in Karaköy.

These Forums and Seminars, encompassing the development of policy recommendations on energy and climate, were well received and attracted huge media coverage. State officials, embassies and consulates, industry executives, representatives of international organizations, think tanks, other research bodies and universities follow IICEC events and are among the regular participants.

Visionary perspectives are presented at our events, where the most significant geostategic, economic, and technical aspects of energy issues are extensively discussed. IICEC will continue to make these contributions for decision-makers, investors, and researchers in the field of energy.


IICEC 8th INTERNATIONAL ENERGY AND CLIMATE FORUM, “GLOBAL ENERGY INVESTMENTS: WHAT’S NEXT?”

13 October 2017, Conrad Bosphorus Istanbul Hotel

The 8th International Energy and Climate Forum by the Sabancı University Istanbul International Center for Energy and Climate was held on Friday, October 13, 2017 under the theme “Global Energy Investments: What’s Next?”. The keynote speakers included Republic of Turkey’s Minister for Energy and Natural Resources, HE Berat ALBAYRAK.

Delivering introductory remarks of the Forum, Sabancı University Founding Chairman of the Board of Trustees Güler SABANCı provided the opening address along with IICEC Director, Prof. Carmine Difiglio, and Executive Director of the International Energy Agency and IICEC Honorary Chairman, Dr. Fatih BIROL. The key policy messages provided in these opening addresses were as follows:

- IICEC is a research institute that combines think-tank analysis with business realities.
- IICEC is pursuing this mission with in-house analysis, a new research paper series, our energy market newsletter and by growing our expert network.
- IICEC is a growing energy institute with global reach.

Energy and Economy

- Energy is the backbone of economic growth and technological development.
- Energy is linked with many industries, geopolitics and everyday needs of consumers.
- Progress in energy needed for prosperity and well-being of societies.
• In 2020, solar costs will be one-quarter of what they are causing the rapid decline in renewable energy growth is exceeding all other energy sources especially renewable energy, and by diversifying security through increased use of domestic resources, it is also increasing our proven reserves of petroleum and bringing down oil prices.

• Consumers want clean energy: but, at affordable prices.

• The most successful clean energy technologies will be competitive.

Sustainable Energy Policies

• Government policies will not achieve sound energy outcomes unless they are supported by sustainable actions by industry.
• Consumers want clean energy: but, at affordable prices.
• The most successful clean energy technologies will be competitive.

Energy Security

• National policies also need to improve energy security through increased use of domestic resources, especially renewable energy, and by diversifying sources of imported energy.

Renewable Energy

• As renewable energy costs decline, renewable energy growth is exceeding all other energy sources combined.
• Technological progress and commercial experience are causing the rapid decline in renewable energy costs.
• In 2020, solar costs will be one-quarter of what they were in 2014 and wind will be half.

Renewables will be closing the gap with coal and expected to achieve over 8,000 TWh generation by 2022 (80% of coal).

Energy Efficiency

• Technology has a complex effect on energy efficiency it creates many new ways to use electricity, usually in small amounts that add up.
• Efficiency standards have been very effective to improve energy efficiency with negligible effect on the cost of consumer goods.
• There are more opportunities to improve efficiency. It may be the most important unexploited energy opportunity.
• Energy efficiency is a form of energy supply since it avoids the need to build as many power plants or import as much oil.
• Underpricing energy is the enemy of energy efficiency.
• The share of global energy use covered by efficiency mandates has increased to 75% for lighting, 55% for autos, 35% for appliances but only 15% for trucks.
• Trucks account for the same growth in oil consumption as cars. However, trucks are the forgotten oil use.

Technological Progress

• Technological progress can solve the dilemma of having a cleaner and more secure energy system without increasing the cost of energy services.
• While technological progress is bringing down the costs of wind and solar power, it is also increasing our proven reserves of petroleum and bringing down oil prices.
• Digitalization having a profound impact on the energy sector causing significant technological progress in each energy sector.

Delivering introductory remarks of the Forum, Sabancı University Founding Board of Trustees Chair Gülşen SABANCI gave global messages to the energy sector. Ms. SABANCI expressed her pleasure to be the host of the Forum, especially since IICEC, has been recognized as a global center with its motto “Where global energy connects.”

Sabancı University Founding Chairman of the Board of Trustees Gülşen SABANCI

SABANCI said: “As you all know very well, the energy sector is the backbone of economic growth and technological development; it is vital for ensuring the sustainability of societies. Energy is one of the most strategic sectors worldwide due to its connection with global commodities, the majority of industries, geopolitics, and the everyday needs of societies. We cannot achieve consistent growth and welfare for societies unless we develop sustainable energy solutions.”

Minister of Energy and Natural Resources HE Berat ALBAYRAK

Minister of Energy and Natural Resources HE Berat ALBAYRAK, in his keynote address, said that the global demand for energy would double by 2050, and steps taken towards meeting this demand have led to comprehensive shifts in energy balances recently. Minister ALBAYRAK continued:

“New technologies, persistent innovation and the emergence of new energy resources as a result of access to fields that used to be beyond reach enabled some countries that had been net importers of energy become exporters.

The demand for energy is rapidly shifting from the West to the East due to economic growth. The growth targets set and achieved by China, India, and economies in the Middle East and Southeast Asia, and the diversification they sought in order to achieve their development targets and provide for the needs of their growing industries bear weight in the energy market.”

Minister ALBAYRAK stated that affordable energy was critical to sustainable growth in countries heavily dependent on imported energy, like Turkey, and continued:

“Since 2002, the Turkish economy has grown by 6% almost every year. Naturally, the growth in the economy brought growth in the need for energy as well. The medium- and long-term energy projections for Turkey are set to ensure security of supply while mitigating our carbon footprint at meaningful levels. In 2016, renewable energy resources accounted for 55% of the new additions to Turkey’s installed capacity. A further 64% of the power plants commissioned in the first 8 months of this year were also based on renewables. Turkey was 7th in the world and 3rd in Europe in terms of commissioned wind energy capacity in 2016.”

IEA Executive Director and Sabancı University IICEC Honorary Board Chairman Dr. Fatih BIROL

International Energy Agency Executive Director and Sabancı University IICEC Honorary Board Chair Dr. Fatih BIROL pointed out that the global investment in energy was 1.7 trillion dollars in 2016, continuing: “Global
energy investments were lower in 2016 compared to the previous year. There is significant decrease in the oil and gas sectors as well. For the first time in history, investments in electricity exceed those in oil and gas. In other words, electricity is more attractive than oil and gas. Large investors are, of course, the US and Europe. However, the leading investment target is China. The United States had remarkable success in the production of shale oil, and production is likely to increase. The production of shale oil in the US alone is on par with oil production in Iraq. Shale oil becomes a major player in the global oil market.

Sabancı University IICEC Director Prof. Carmine DIFIGLIO

Speaking at the Forum, Sabancı University IICEC Director Prof. Carmine DIFIGLIO said that global investments needed to meet the rising global demand, cause less emissions, and provide a return in the ever more competitive global energy market, and continued: “National policies must also take into consideration security of supply achieved through use of own resources and diversification of imported energies. One of the best local energy sources available is renewable energy. This is especially true for countries without fossil fuel reserves. Another significant resource is energy efficiency, which we are not used to thinking as a source of supply. However, energy efficiency may become our best resource as it does not require us to build power plants or import oil. There are plenty of opportunities to further encourage energy efficiency.”

Two panels were held during the forum discussed “Global Energy Policies” and “Technological Future of Energy.”

Global Energy Policies Panel
Speakers in the “Global Energy Policies” panel were HE Christian BERGER, Ambassador of the European Union to Turkey; Prof. Jason BORDOFF, Founding Director, Center on Global Energy Policy, Columbia University; Ladislas PASZKIEWICZ, Senior VP Strategy & Climate, TOTAL; Dev SANYAL, Executive Vice President of Regions and Chief Executive of Alternative Energy, BP; and Dr. Vitaliy YERMAKOV, Head of Center for Energy Policy Research, Energy Institute of Higher School of Economics, Russia. The moderator of the panel was International Energy Agency Executive Director and IICEC Honorary Chair Dr. Fatih BİROL.

Technological Future of Energy Panel
The “Technological Future of Energy” panel was moderated by IICEC Director Prof. Carmine DIFIGLIO, while speakers were Luay AL-KHATTEEB, Executive Director, Iraq Energy Institute; Dr. Tareq EMTAIRAH, Director of the Energy Department, United Nations Industrial Development Organization (UNIDO); Hans Jørgen KOCH, CEO, Nordic Energy Research; Paddy PADMANATHAN, President and CEO, ACWA Power; and Dr. Hans-Holger ROGNER, Senior Scientist, International Institute for Applied Systems Analysis (IIASA).
IICEC-IENE SEMINAR, “ENERGY SECURITY OF SOUTHEASTERN EUROPE”
15 November 2017, Sabancı University, Minerva Palas

Sabancı University Istanbul International Center for Energy and Climate (IICEC) and the Institute of Energy for South East Europe (IENE) organized their first joint-event, Energy Security in Southeastern Europe.

Mr. Costis STAMBOLIS’ (Executive Director of IENE) presentation was followed by a panel moderated by Prof. Carmine DIFIGLIO, Ambassador (R) Mithat RENDE, Independent Board Member of Engie Turkey, and Emeritus Prof. Ahmet EVİN, Sabancı University. In attendance were energy industry executives, high-level representatives from energy related associations, Consulate officers, professionals from the energy industry and Sabancı University Energy Technologies and Management students. A reception followed the talk.

Mr. STAMBOLIS’ presentation was based on Energy Security issues covered in IENE’s SE Europe Energy Outlook 2016/17. Mr. STAMBOLIS explained why a regional study for South Eastern Europe was necessary since micro-level decisions could not be made simply with information available from global studies, such as the IEA’s World Energy Outlook Stambolis also noted that IEA Executive Director and IICEC Honorary Board Chairman Fatih BIROL provided support and review of SE Europe Energy Outlook 2016/17. Issues covered by Mr. STAMBOLIS included:

- Defining energy security (affordable and uninterrupted energy supply in a sustainable manner)
- Assessing security of energy in the EU and SEE
- Discussing EU’s energy security strategy and energy security issues in SE Europe
- Outlining SE Europe’s gas and electricity markets
- Pointing out the role of natural gas in the region
- Explaining the significance of the South Corridor and its future
- How Turkey could be a natural gas trading hub for SE Europe

Mr. STAMBOLIS concluded by discussing the future of market liberalization in SE Europe, business opportunities provided by liberalization and opportunities for financing the energy sector in SE Europe.

After the presentation, Prof. Ahmet EVİN made remarks regarding the opportunity for Turkey to use more gas as intermittent supply in the medium and longer term as an environmentally friendly source. Prof. EVİN pointed out that, geographically position and having neighbors rich in fossil fuels, is enhancing Turkey’s role in EU’s energy security. Another point made by EVİN was how Turkey could best contribute to energy security in a region where Russia’s is attempting to dominate natural gas supplies. He added that the analysis of the region clearly shows that transiting gas through Turkey to SE Europe will be a significant contribution to energy security especially considering the natural gas supplies from the Caspian via TANAP and TAP.

Ambassador Mithat RENDE stressed the significance of improving Turkey’s energy mix and diversification of sources, enhance and realize major projects to contribute to European energy security. He mentioned the significance of the Southern gas corridor, following the 2006 crisis. Rende said that TurkStream together with TANAP and TAP, are the backbones of the southern energy security. He added that renewables have increased their energy share and will continue to rise considering the priority of fighting climate change. For the same reason, natural gas is on the rise because it is an intermittent source with low CO2 emissions. LNG is on the rise, more is to arrive from the United States, and hence we need more regasification terminals that contribute to gas-to-gas competition. RENDE concluded that given its geography, capacity and experience, Turkey can be a natural gas hub. He said that “We believe that if necessary steps are taken -liberalize the energy market- it is a good opportunity.”

During the Q&A period with the distinguished guests, a number of interesting issues were raised including the role of East Mediterranean gas on regional energy security and geopolitics.

In his closing remarks, Mr. STAMBOLIS touched upon Turkey’s rising energy demand. STAMBOLIS mentioned that the statistics indicate that Turkey is the number two energy consumer in Europe, and she will keep this solid position. STAMBOLIS noted, Turkey has some mega projects in renewables and nuclear to satisfy its own needs and said that although TANAP is also a mega-project, with the potential to grow up to 30 bcm to increase its ability to supply other countries.

WORLD ENERGY OUTLOOK 2017 TURKEY LAUNCH HOSTED BY IICEC
15 December 2017, Sabancı Center

The Sabancı University Istanbul International Center for Energy and Climate (IICEC) hosted the Turkish launch event of the World Energy Outlook 2017 report on Friday, December 15, 2017. The report was presented by International Energy Agency Executive Director Dr. Fatih BIROL.

Hosted by Sabancı University Founding Board of Trustees Chairman Güler SABANCI and Sabancı University IICEC Director Prof. Carmine DIFIGLIO, the meeting was also attended by the President of the Parliamentary Commission on Industry, Trade, Energy, Natural Resources, Information and Technology Ziya ALTUNYALDIZ and TÜSİAD President Erol BILECIK as speakers.

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exporters. Russia will continue to export. This is a great time for energy importers. It will be a grave mistake if energy importers miss this opportunity. The number of importers was 5 in 2000 but will become 51 by 2020.” Also discussing climate change, Dr. Fatih BİROL said that the world was a great distance away from meeting the Paris Climate Convention targets. Summarizing what needed to be done, BİROL said, “We must make the world twice as energy efficient. Our primary fuel is energy efficiency.”

Also speaking, IICEC Director Prof. Carmine DIFIGLIO expressed IICEC’s pleasure to host the fifth World Energy Outlook launch event. Saying that IICEC was a research center that merged thought with analyses and business dynamics, Prof. DIFIGLIO continued, “Unless backed with sustainable action by the industry, research and government policies cannot produce solid outputs. Being at the center of the triangle formed by the public sector, businesses and academia, IICEC is in a perfect position to conduct analyses and issue research publications, inform the energy market on a regular basis, and expand its network of experts.”

Also speaking at the launch event, President of the Parliamentary Commission on Industry, Trade, Energy, Natural Resources, Information and Technology Ziya ALTUNYALDIZ said, “Turkey has been growing, and energy demand has been going up by 5% year after year. Renewable energies are Turkey’s advantage, and the energy sector, where private players are the driving force, has growth predictions from generation to distribution. We took important steps towards liberalization in electricity. We are trying to do the same in natural gas. Renewable energies are our lifeblood.”

TÜSİAD President Erol BİLECİK discussed the strategic importance of energy investments for the sustainability of development, continuing “We are among the regions that will be affected the worst by climate change as a global issue. We are almost 75% dependent on imports for energy. We have a great opportunity to reduce this dependence: Our potential in wind, solar and other renewables is rich and varied. We must make maximum use of this potential.”

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Event Highlights
2013-2016
7th International Energy and Climate Forum of Sabancı University’s Istanbul International Center for Energy and Climate (IICEC) was held in Istanbul on June 10, 2016. The event was hosted by Sabancı University Board of Trustees Chairman Güler SABANCI and IICEC International Steering Committee Honorary Chairman Dr. Fatih BİROL.

The Forum began with the speeches from the lectern by the top leaders of energy sector, including IEA Executive Director and IICEC Honorary Chairman Dr. Fatih BİROL; Undersecretary of the UAE Ministry of Energy, Dr. Matar AL NEYADI; Member of the Parliament and President of the Grand National Assembly of Turkey, Industry, Energy, Natural Resources, Information and Technology Committee, Ziya ALTUNYALDI; Special Advisor of the Prime Minister of Japan, Eiichi HASEGAWA; Ambassador of European Union to Turkey, Hansjoerg HABER; Ambassador of Ukraine to Turkey, Dr. Sergiy KORSUNSKYI; and Power and Gas CEO of Siemens AG, Willi MEIXNER. The speakers of the first panel, “How to Reconcile Energy and Climate Objectives? (I),” included Special Advisor of the Prime Minister of Japan, Eiichi HASEGAWA; Ambassador of European Union to Turkey, Hansjoerg HABER; Ambassador of Ukraine to Turkey, Dr. Sergiy KORSUNSKYI; and Power and Gas CEO of Siemens AG, Willi MEIXNER. The second panel, “How to Reconcile Energy and Climate Objectives? (II),” was moderated by the President of Sabancı University, Prof. A. Nihat BERKER, and the speakers were the leading executives from Turkish energy industry; Country Chairman of Shell Turkey, Ahmet ERDEM; President and CEO of GE Turkey, Canan ÖZSOY; and President of Sabancı Holding Energy Group, Mehmet GÖÇMEN.

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IICEC has become a key venue in the region for exchange of ideas and open debate.
IICEC 6th INTERNATIONAL ENERGY FORUM
“ON THE ROAD TO G-20 ANTALYA SUMMIT:
GLOBAL ENERGY SECURITY TODAY AND TOMORROW”
15 May 2015, Conrad Bosphorus İstanbul Hotel

The Forum began with the opening remarks by Güler SABANCI and Dr. Fatih BIROL. Following the keynote speeches of the Special Advisor to Prime Minister of Japan, Eiichi HASEGAWA, and the Energy Counselor of the US Secretary, Melanie KENDERDINE, two panels were held under the titles of “Energy Security: Expectations of the Governments from G-20” and “Expectations of the Business World from B-20”.

State Secretary for Energy of Switzerland, Dr. Walter STEINMANN; Former Minister of Foreign Affairs and Member of the Council of State of the Kingdom of Spain, Ana PALACIO; President of the Board of Directors of Turkish Industry & Business Association (TÜSİAD), Cansen BAŞARAN-SYMES; Ambassador of Hungary to Turkey, Gabor KISS; Ambassador of Ukraine to Turkey Dr. Sergiy KORSUNSKY; E.ON SE CEO, Dr. Johannes TEYSSEN; GE Vice Chairman, John G. RICE; and EWE AG CEO, Dr. Werner BRINKER were among the prominent speakers of the Forum organized since 2010 for creating a more secure, sustainable, and prosperous global energy future.

Sabancı University Board of Trustees Chairman Güler SABANCI and IICEC International Steering Committee Honorary Chairman Dr. Fatih BIROL, hosted the 6th IICEC International Energy Forum was held at Conrad Hotel İstanbul on May 15, 2015.

IICEC 5th INTERNATIONAL ENERGY FORUM
“GLOBAL ENERGY INVESTMENTS: CHALLENGES AND OPPORTUNITIES”
13 June 2014, Conrad Bosphorus İstanbul Hotel

Bank Vice President, Dimitris TSITSIGAROS; Ambassador of Australia to Turkey, James LARSEN; Ambassador of Canada to Turkey, John HOLMES, USA former Senator, Phil GRAMM; International Energy Agency (IEA) Chief Economist Dr. Fatih BIROL; GDF SUEZ CEO Gérard MESTRALLET; Siemens AG CEO Joe KAESER; E.ON SE CEO Dr. Johannes TEYSSEN; Energy Counselor of the Secretary Melanie KENDERDINE; Director of Swiss Federal Office for Energy Dr. Walter STEINMANN; Sabancı Holding Energy Group President, Selahattin HAKMAN; ALSTOM Turkey President Adil TEKİN; Akenerji General Manager, Ahmet Ümit DANIŞMAN; GE Turkey President and CEO Canan ÖZSOY; Genel Energy President Mehmet SEPİL; RWE Turkey CEO Dr. Ralph JÄGER, and Zorlu Energy Group General Manager, Sinan AK.

Annualy organized by Sabancı University Istanbul International Center for Energy and Climate (IICEC), and hosted by Sabancı University Board of Trustees Chairman Güler SABANCI and IICEC International Steering Committee Honorary Chairman Dr. Fatih BIROL, the 6th IICEC International Energy Forum was held at Conrad Hotel İstanbul on May 15, 2015.
We held IICEC 4th International Energy Forum on May 10, 2013, with the participation of the President of the Republic of Turkey, Abdullah GÜL; Minister of Energy and Natural Resources of the Republic of Turkey, Taner Yıldız and Minister of Petroleum and Mineral Resources of the Kingdom of Saudi Arabia, Ali Al NAIMI.

Distinguished speakers from the energy industry and international organizations included Deputy State Secretary of Denmark, Hans Jørgen KOCH; Ambassador of Australia to Turkey, Ian BIGGS; International Energy Agency (IEA) Chief Economist, Dr. Fatih BIROL; Director General of International Renewable Energy Agency (IRENA), Adnan AMIN; Vice President of International Finance Corporation (IFC) World Bank, Dimitris TSITSIROS; Sabancı Holding Energy Group President, Selahattin HAKMAN; EDISON S.p.A. CEO, Bruno LESCOEUR; TAQA CEO, Carl SHELDON; OMV CEO, Dr. Gerhard ROISS; E.ON SE CEO, Dr. Johannes TEYSSEN; SIEMENS CEO, Dr. Michael SUSS; ALSTOM Thermal Power CEO, Philippe COCHET; President of Sabancı University, Prof. Nihat BERKER; Executive Vice President of Government Relations Int. Shell International BV., John CROCKER; Managing Director for Corporate Strategy and Energy Efficiency and Climate Change, EBRD, Dr. Josue TANAKA; Senior Policy Fellow, Imperial College, London, Neil HIRST; Energy Sector Manager Europe and Central Asia, World Bank, Ranjit LAMECH and Director of European Energy Strategy, CITIGROUP, Seth KLEINMAN.

The 3rd IICEC International Energy Forum “Regional and Global Climate Change: Physical Observations and Policy Choices” speakers included International Energy Agency Chief Economist, Dr. Fatih BIROL; Deputy State Secretary at the Danish Ministry of Climate and Energy, Hans Jørgen KOCH; Development Manager of Saudi Aramco, Nabil O. AL-KHOWAITER; President of Sabancı University, Prof. Nihat BERKER; Sabancı Holding Energy Group President, Selahattin HAKMAN; Central European University, Director of Environmental Sciences and Policy, Energy Security & Global Energy Assessment, Aleh CHERP; Former Secretary of State for Climate Change in Spain, Teresa RIBERA; Member of the Parliament of Finland and Vice President of the Green League, Oras TYNKKYNEN; Director General for Multilateral Economic Affairs at the Turkish Ministry of Foreign Affairs, the Chief Climate Change Negotiator of Turkey, and Member of the Turkish Nuclear Energy Commission, Mithat RENDE; Vice president of VESTAS Wind Systems Mediterranean, Iñigo Sabater EIZAGUIRRE; Senior Vice President of Michelin, Patrick OLIVA; Chief Economist, EDF Executive Vice President of Corporate Strategy and Prospective, Jean-Paul BOUTTES; European Commission Climate Action Head Office, Deputy Head of Strategic and Economic Assessment Unit, Tom Van IERLAND; University of Geneva, Chair for Climate Research and Director of the Institute for Environmental Sciences, Prof. Martin BENISTON; Imperial College London, Senior Policy Fellow for Energy and Mitigation at the Grantham Institute, Neil HIRST; Deputy Director of the International Institute for Applied Systems Analysis (IIASA), Director of the Global Energy Assessment (GEA) and Professor of Energy Economics at the Vienna University of Technology, Prof. Nebojsa NAKICENOVIĆ; Chairperson Emeritus of the UK Atomic Energy Authority (UKAEA) Lady Barbara Thomas JUDGE; Director of Innovation at Carbon Disclosure Project, Tom CARNAC; ALSTOM Global Advisor Sustainable Policies and President of Energy Institute, Joan MACNAUGHTON; CEO and Co-founder of Climate Bonds Initiative, Sean KIDNEY; EBRD Senior Energy and Environment Economist, Grzegorz PESZKO; Principle Manager for Energy Efficiency and Climate Change at EBRD, Adonai HERRERA-MARTINEZ; Independent Strategic Advisor, Dr. Raj THAMOTHERAM; Partner of KPMG in Madrid, Antonio Hernández GARCIA; Principal at Sustainable Energy Associates (SEA), Binu PARTHAN; Manager of Strategic Issues at SHELL International BV, Bill SPENCE; Sabancı University, Assoc. Prof. Mahmut Faruk AKŞİT.
The 2nd IICEC International Energy Forum “Global Energy Outlook: What Role for the Emerging Countries” speakers included Chairperson of the Board of Trustees of Sabancı University, Güler SABANCI; International Energy Agency Chief Economist, Dr. Fatih BİROL; Chairman of the Executive Board of Verbund, Michael PISTAUER; Sabancı Holding Energy Group President, Selahattin HAKMAN; Sabancı University Founding President Prof. Tosun TERZİOĞLU; Chairman of SHELL Enerji A.Ş. and Chairman of Petroleum Platform Association (PETFORM), Nusret CÖMERT; Executive Director of MIT Energy Initiative, Melanie KENDERDINE; Director of MIT Energy Initiative, Prof. Ernest J. MONIZ; Representative of the Ministry of Energy and Natural Resources of the Republic of Turkey, Yasemin ÖRÜCÜ; Director of Sabancı University Istanbul Policy Center (IPC), Prof. Fuat KEYMAN; Central European University, Center for Policy Studies, Dr. Andrew CARTWRIGHT; CEO of AKKÖK Group, Mehmet Ali BERKMAN; CEO of Siemens Turkey, Hüseyin GELİS; and several other high level government officials.

The 1st IICEC International Energy Forum “Turkey’s Strategic Energy Interface: The Ten-Year Prospect” speakers included Chairperson of the Board of Trustees of Sabancı University, Güler SABANCI; President of Sabancı University, Prof. Nihat BERKER; Chairman of the Executive Board of Verbund, Michael PISTAUER; Sabancı Holding Energy Group President, Selahattin HAKMAN; Sabancı University Founding President Prof. Tosun TERZİOĞLU; Chairman of SHELL Enerji A.Ş. and Chairman of Petroleum Platform Association (PETFORM), Nusret CÖMERT; Executive Director of MIT Energy Initiative, Melanie KENDERDINE; Director of MIT Energy Initiative, Prof. Ernest J. MONIZ; Representative of the Ministry of Energy and Natural Resources of the Republic of Turkey, Yasemin ÖRÜCÜ; Director of Sabancı University Istanbul Policy Center (IPC), Prof. Fuat KEYMAN; Central European University, Center for Policy Studies, Dr. Andrew CARTWRIGHT; CEO of AKKÖK Group, Mehmet Ali BERKMAN; CEO of Siemens Turkey, Hüseyin GELİS; CEO and South West Asia President of GE, Kürşat ÖZKAN; Secretary General of Federation of Euro Asian Stock Exchanges (FEAS).
WORLD ENERGY OUTLOOK TURKEY LAUNCHES

The World Energy Outlook (WEO) is the world’s most authoritative source of energy-market analysis and projections. Published every year, based on objective data and dispassionate analysis, it provides critical analysis and insights on trends in energy demand and supply, and what they mean for energy security, environmental protection and economic development.

WORLD ENERGY OUTLOOK 2016 TURKEY LAUNCH
20 December 2016, Sabancı Center

Sabancı University IICEC hosted the Turkey launch of the World Energy Outlook 2016 report.

International Energy Agency Executive Director and IICEC Honorary Chairman Dr. Fatih BİROL presented the World Energy Outlook 2016 report at the meeting.

WORLD ENERGY OUTLOOK 2015 TURKEY LAUNCH
11 January 2016, Sabancı Center

Sabancı University IICEC and TÜSİAD held annual “World Energy Outlook Turkey Launch” meeting, this year titled as “World Energy and Climate Outlook After Paris Climate Summit” at Sabancı Center. International Energy Agency Executive Director Dr. Fatih BİROL presented the World Energy Outlook 2015 report.

Introductory remarks of the meeting were delivered, respectively, by Sabancı University Founding Chairman of the Board of Trustees Güler SABANCI, TÜSİAD President Cansen BAŞARAN-SYMES, and Undersecretary of the Ministry of Energy and Natural Resources Fatih DÖNMEZ.

WORLD ENERGY OUTLOOK 2014 TURKEY LAUNCH
22 December 2014, Sabancı Center

Sabancı University IICEC in cooperation with TÜSİAD organized “World Energy Outlook 2014” Turkey Launch at Sabancı Center. International Energy Agency (IEA) Chief Economist Dr. Fatih BİROL presented the report. The introductory remarks were made by TÜSİAD President Haluk DINÇER and Minister of Energy and Natural Resources Taner YILDIZ.

“WORLD ENERGY OUTLOOK 2014 AFRICA SPECIAL REPORT” TURKEY LAUNCH
20 October 2014


WORLD ENERGY OUTLOOK 2013 TURKEY LAUNCH
20 December 2013, Sabancı Center

“World Energy Outlook 2013” Turkey Launch was presented by International Energy Agency Chief Economist and IICEC Honorary Chairman Dr. Fatih BİROL, with the cooperation of IICEC and TÜSİAD. The introductory remarks were made by Sabancı University Board of Trustees Chair Güler SABANCI, TÜSİAD Vice President Memduh BOYDAK and Deputy Minister of Energy and Natural Resources Hasan Murat MERCAN.
THE FUTURE OF ENERGY

31 October 2016, Sabancı Center

Sabancı University Istanbul International Center for Energy and Climate (IICEC) and Hello Tomorrow Turkey held an event entitled “The Future of Energy” at Sabancı Center on 31st of October, 2016. The high-level organization brought together leading innovators, science-entrepreneurs, corporate executives, investors and industry experts and the event was hosted by Prof. Ayşe KADIOĞLU, Acting President of Sabancı University.

The opening remarks of the event were conducted respectively by Hello Tomorrow Turkey Ambassador Timur TOPALGÖÇELİ; French Consul General to Istanbul Bertrand BUCHWALTER; President of TÜSİAD Cansen BAŞARAN-SYMES; Executive Director of International Energy Agency (IEA) and Steering Committee Honorary Chairman of IICEC Dr. Fatih BIROL (via video); Deputy Minister of Science, Industry & Technology of the Republic of Turkey, Dr. Hasan Ali ÇELİK; President of Fiba Group and Murat ÖzYEĞİN; Dr. Hasan Ali ÇELİK, Deputy Minister of Science, Industry & Technology of the Republic of Turkey, Dr. Hasan Ali ÇELİK.

Following the introductory remarks, the first Panel “Creating New Synergies Between Science-Entrepreneurs & Industry Leaders” began under the moderation of Prof. Murat ÖZYEŞİN; President of Fiba Group and Didem ALTOP; Co-Founder & Managing Director of Endeavor Turkey. Panelists: CEO of Sanko Energy Group Adil TEKİN; Senior Partner & Managing Director of Boston Consulting Group Harald RUBNER discussed how to establish an effective relation between scientific startups and companies.

After coffee break, Vice Chairman of Eczacıbaşı Group and Chairman of TBB Faruk ECZACIBAŞI delivered a keynote speech on “Transforming Resource Scarcity into Global Abundance”.

The second panel which Didem ALTOP and Emre KURTTEPELİ (Chairman Mynet, Galata Business Angels and Endeavor Turkey) moderated was entitled “Creating a High-impact Science Entrepreneurship Ecosystem in Turkey” and the panelists were Co-Founder & CEO of Pronet Alp SAUL; Partner & CEO of Vispera Information Technologies Aytül ERÇİL; Managing Director of Revo Capital Cenk BAYRAKDAR; and Business Development Leader of TTA Turkey Doğan TAŞKENT.

SEMINAR BY PROF. CARMINE DIFIGLIO (U.S. DoE), “ENERGY MARKETS: ENERGY AND CLIMATE POLICY CHALLENGES”

18 April 2016, Sabancı University, Minerva Palace

Sabancı University Istanbul International Center for Energy and Climate (IICEC) organized a seminar on Energy Markets: Energy and Climate Policy Challenges by Prof. Carmine DIFIGLIO, Deputy Director for Energy Security, Office of Energy Policy and Systems Analysis (EPSA) at the U.S. Department of Energy (DoE), Energy industry executives, high level representatives from energy related associations and Sabancı University Energy Technologies and Management (ETM) MSc students attended the event, and a cocktail followed the seminar.

SEMINAR, WORKSHOP & ROUNDTABLE SERIES

20 April 2016, Consulate General of Sweden

Sabancı University Istanbul International Center for Energy and Climate (IICEC) in cooperation with Consulate General of Sweden organized Turkey - Sweden Cooperation on Energy Meeting at the Consulate General of Sweden. IICEC Board of Directors met with Swedish Minister for Energy Ibrahim BAYLAN and representatives of the leading Swedish energy corporations in Turkey.

The participants of the meeting included HE Ibrahim BAYLAN, Minister for Energy, Sweden; HE Jens ODLANDER, Consul General of Sweden in Istanbul; Güler SABAİCI, Sabancı University Founding Chairman of the Board of Trustees; Prof. A. Nihat BERKER, Sabancı University President; Ahmet Ümit DANIŞMAN, Akenerji General Manager; Hüseyin GEÇKİŞ, SIEMENS Turkey President and CEO; Mehmet GOÇMEN, Sabancı Energy Group President; Serhat CAN, AF Consult Country Manager; Thomas GÜR, TeliaSonera Advisor; Kerem SADIKLAR, Sweco General Manager; Sami SEVİNÇ, ABB Managing Director; Ziya ERDEM, General Manager Ericsson; Antoine FANDOUN, Trade Commissioner to Sweden.

“TURKEY - SWEDEN COOPERATION ON ENERGY” WORKSHOP

20 April 2016, Consulate General of Sweden

Sabancı University Istanbul International Center for Energy and Climate (IICEC) and Hello Tomorrow Turkey - Sweden Cooperation on Energy Meeting at the Consulate General of Sweden. IICEC Board of Directors met with Swedish Minister for Energy Ibrahim BAYLAN and representatives of the leading Swedish energy corporations in Turkey.

The participants of the meeting included HE Ibrahim BAYLAN, Minister for Energy, Sweden; HE Jens ODLANDER, Consul General of Sweden in Istanbul; Güler SABAİCI, Sabancı University Founding Chairman of the Board of Trustees; Prof. A. Nihat BERKER, Sabancı University President; Ahmet Ümit DANIŞMAN, Akenerji General Manager; Hüseyin GEÇKİŞ, SIEMENS Turkey President and CEO; Mehmet GOÇMEN, Sabancı Energy Group President; Serhat CAN, AF Consult Country Manager; Thomas GÜR, TeliaSonera Advisor; Kerem SADIKLAR, Sweco General Manager; Sami SEVİNÇ, ABB Managing Director; Ziya ERDEM, General Manager Ericsson; Antoine FANDOUN, Trade Commissioner to Sweden.
IICEC ANNUAL REPORT 2017

IICEC and Atlantic Council Turkey organized a seminar on “The Cyprus Settlement and Eastern Mediterranean Hydrocarbon Scenarios” Karaköy Minerva Palace on 18 March, Friday.

The speakers were Matthew BRYZ, Dinu Patriciu Eurasia Center Nonresident Senior Fellow; Charles ELLINAS, Eurasian Energy Futures Initiative Nonresident Senior Fellow; Ahmet EVİN, Emeritus Faculty Member, Sabancı University; Mithat RENDE, Ambassador (R), Former Chairman of the Executive Committee, OECD; and Harry TZIMITRAS, Dinu Patriciu Eurasia Center Nonresident Senior Fellow. The Panel was moderated by the Atlantic Council’s Turkey Representative and Director of the Atlantic Council’s Energy and Economic Summit, Defne SADIKLAR-ARSLAN.

“THE CYPRUS SETTLEMENT AND EASTERN MEDITERRANEAN HYDROCARBON SCENARIOS” WORKSHOP
18 March 2016, Sabancı University, Minerva Palace

IICEC ANNUAL REPORT 2017

U.S. SECRETARY OF ENERGY ERNEST J. MONIZ’S VISIT TO SABANCI UNIVERSITY – IICEC
21 November 2014, The Seed, Sakıp Sabancı Museum, Istanbul

IICEC and Atlantic Council Turkey organized a seminar on “The Cyprus Settlement and Eastern Mediterranean Hydrocarbon Scenarios” Karaköy Minerva Palace on 18 March, Friday.

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U.S. Secretary of Energy Ernest J. MONIZ met with Sabancı University Energy Technologies and Management (ETM) MSc Students at Sakıp Sabancı Museum on 21 November, 2014. The meeting began with the opening remarks of Güler SABANCI, Chairman of the Board of Trustees of Sabancı University, and Prof. Nihat BERKER, President of Sabancı University. IEA Chief Economist

IICEC organized a one-day roundtable at Sabancı University Karaköy Minerva Palace to present the report-in progress. The roundtable brought together academicians, high-level representatives from IICEC Members, and started with the welcome address of Prof. Nihat BERKER, President of Sabancı University. The roundtable continued with a presentation by B. Nazım BAYRAKTAR, EMRA Senior Energy Expert. During the discussion session all the participants took the floor to deliver their opinions on the main themes in the report and their respective predictions on energy future of Turkey. The roundtable was followed by luncheon at Lokanta Maya, Karaköy.

The representatives from local energy sector were Özlem PALABİYIK, Akeneri Strategic Planning Manager; Öğür ŞİMŞEK, Eren Enerji Deputy General Manager; Kenan ŞİRİN, Siemens Energy Sector Head of Marketing and Business Development; Çağatay CENGİZ, SHELL Commercial Manager, and Bora GÜRAY, EnerjiSA Manager.

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IICEC core research group members in the roundtable were B. Nazım BAYRAKTAR, EMRA; Prof. Ahmet EVİN, Sabancı University; Dr. Cenk PALA, EnerjiSA Regulatory Affairs and Business Development Manager; Bora GÜRAY, EnerjiSA Manager; Simone TAGLIAPIETRA, Researcher at Fondazione Eni Enrico Mattei, and Dr. M. Doğan ÜÇOK, IICEC Coordinator.

IICEC REPORT ROUNDTABLE WITH IICEC MEMBERS’ REPRESENTATIVES:
“ENERGY IMPORT BILLS IN THE CURRENT ACCOUNT DEFICIT OF TURKEY: WHAT CAN BE DONE?”
26 September 2014, Sabancı University, Minerva Palace

IICEC ANNUAL REPORT 2017
"NATURAL GAS IN THE EASTERN MEDITERRANEAN: OPPORTUNITIES AND CHALLENGES" WORKSHOP

19 November 2013, Sabancı University, Minerva Palace

IICEC, Atlantic Council and EUCERS (King’s College London) organized a one-day workshop in Sabancı University Karaköy Minerva Palace on 19 November 2013. The workshop brought together members of the academia, representatives of relevant energy businesses as well as officials from various countries. The workshop started with the welcome address of John LYMAN, Director at the Atlantic Council’s energy and environment programme, Prof. Friedbert PFLUEGER, EUCERS Director and Prof. Nihat BERKER, President of Sabancı University who introduced the topic of the conference - Natural Gas in the Eastern Mediterranean: Opportunities and Challenges – to a 100-strong audience.

The first panel, Eastern Mediterranean Gas – Conflict or Cooperation?, started off with a discussion about the political and geographical realities of the region as well as a review of the natural gas projects that are being developed. The panel was moderated by David KORANYI, Deputy Director, Dinu Patriciu Eurasia Center, Atlantic Council U.S., and the speakers included Gal REITER, Modiin Energy, Israel; George SHAMMAS, Chairman, Cyprus Energy Regulatory Authority; Hasan Selim ÖZERTEM, Head of Center for Energy Security Studies, International Strategic Research Organization (USAK), Ankara, Turkey; Prof. Friedbert PFLUEGER, Director, EUCERS King’s College London, UK; Prof. Hüseyin BAĞCI, Department Chair of International Relations, Middle East Technical University, Ankara, Turkey; Prof. Ahmet EVİN, Founding Dean of Faculty of Arts and Social Sciences, Sabancı University, Turkey.

The second panel, Eastern Mediterranean Gas – Market and Export Infrastructure Options: Business Views, was made up of business representatives who have an interest in the regional gas market, and moderated by Harry TZIMITRAS, Director, Prio Cyprus Centre. Speakers included Matthias KEUCHEL, General Manager, EnerjISA; Bekir Sami ACAR, Managing Director, EWE Turkey; Nusret CÔMERT, Vice Chairman of PETFORM, Turkey; Kanat EMİROĞLU, Chairman of the Board for Global Energy and Simone BERTOLO, Head of LNG Business Development, Upstream Gas, Enel S.p.A., Italy.

The third panel, Eastern Mediterranean Gas and the Southern Gas Corridor, focused on the contribution of eastern Mediterranean gas to the Southern Corridor – a project that seeks to help European Union member states to wean themselves off their dependence on Russian gas. The panel was moderated by John ROBERTS, Non-Resident Senior Fellow, Atlantic Council U.S., and the speakers of the panel included Dr. Frank UMBACH, Associate Director, EUCERS King’s College London, UK; Androulla KAMINARA, Director/Special Adviser European Commission; Janusz LUKS, CEO, Central Europe Energy Partners, Brussels, Belgium; Ibrahim PALAZ, Expert, Energy and Economic Research Center, Caspian Strategy Institute (HASEN), Turkey; Yvonne RUF, Energy Infrastructure Expert, Roland Berger Strategy Consultants GmbH, Germany; and Aura SABADUS, Research Associate, EUCERS King’s College London, UK.

NETWORKING: SPECIAL DINNERS & LUNCHEONS

HOTEL LES OTTOMANS SPECIAL IICEC COCKTAIL & DINNER
15 May 2015, Hotel Les Ottomans, Istanbul

MUZEDECHANGA SPECIAL IICEC COCKTAIL & DINNER
13 June 2014, Sakip Sabancı Museum, Istanbul

ENERGY BUSINESS LEADERS LUNCHEON
1 April 2013, Feriye Restaurant, Istanbul
In February 2015, Sabancı University International Center for Energy and Climate (IICEC) Honorary Chairman Dr. Faith BIROL was elected as the Executive Director of the Paris-based International Energy Agency (IEA) with the unanimous vote of the 29 member nations of the world’s leading energy institution, becoming the first Executive Director supported by all members in the history of the Agency. Dr. BIROL, who has served in various positions of the IEA since 1995 and served as the Chief Economist of the Agency for the past nine years, will hold the position of the Executive Director starting from September 1, 2015 until 2019. Dr. BIROL was responsible for the preparation of the “World Energy Outlook” reports that are widely recognized as the most reliable and informative guide in the global energy market, and received many honors and awards from several countries.

HONORARY RECEPTION AT ÇIRAĞAN PALACE
26 March 2015, Çırağan Palace Kempinski, Istanbul
CONTACT

Istanbul International Center for Energy and Climate (IICEC)
Sabanci University Minerva Palace,
Bankalar Cad. No:2 Karaköy
34420 Istanbul / Turkey

P : +90 (212) 292 4939/1113 - 1114
F : +90 (212) 292 3293
E : iicec@sabanciuniv.edu
http://iicec.sabanciuniv.edu/
Twitter: @sabanci_iicec