

CONFERENCE DAY ONE - Monday 11 April 2022

07:30 - 08:45

REGISTRATION & WELCOME REFRESHMENTS

08:45 - 09:00

OPENING REMARKS FROM ADAM SMITH CONFERENCES

09:00 - 09:15

KEYNOTE SPEECH FROM A SPECIAL GUEST (TBA)

09:15 - 10:45

SESSION 1. LONG-TERM ENERGY SECURITY THROUGH GREEN TRANSITION: HOW WILL UKRAINE DELIVER ON ITS DECARBONISATION COMMITMENTS?

As the conventional concept of energy security expands beyond gas supply and transit and European energy policy evolves, Ukraine's energy strategy is also shifting to meet the current demands and opportunities in the region. Ukraine is also pressing forward to become a leading European player in resource diversification when it comes to alternative energy sources and electrification.

At the global climate summit in Glasgow last October, Ukraine pledged to meet new goals and commitments in addition to the Green Deal pledges of reducing carbon emissions by 2030. The most notable of these commitments is the complete decommissioning of state coal-fired power generation by 2035.

This session will explore the practical questions of Ukraine's green energy transition, including the investment, technology and expertise required to meet its decarbonisation commitments and improve regional energy security.

- **Energy strategy 2050.** How does the updated energy strategy foresee and facilitate the evolution of Ukraine's energy mix?
- **Coal phase-out and a just transition of the coal regions.** What is the national roadmap with concrete policy measures for the phase-out of coal-fired power stations? What exactly will coal be replaced with and how will the updated national energy strategy reflect these changes? How will coal regions be transformed via the pilot projects in Chervonohrad and Myronohrad?
- **Investment.** What mechanisms are being established to facilitate international funding? What are the conditions for securing international grants? How will the carbon tax help facilitate the creation of a Decarbonisation Fund and how will emission trading schemes work?
- **Technology.** Which technologies will make the biggest impact on Ukraine's decarbonisation efforts and what are the timelines for implementation to hit the necessary targets? How are technologies for managing CO₂ emissions, such as carbon capture and storage, developing domestically?
- **Energy efficiency for business.** How is the new energy efficiency law stimulating energy efficiency projects in Ukrainian business? How are practises such as energy management and audit being utilised in Ukraine to help achieve net-zero targets?

10:45 - 11:15

MORNING BREAK & NETWORKING

11:15 - 12:30

SESSION 2. MEETING THE GROWING REGIONAL ENERGY SECURITY CHALLENGES: WHAT ROLE CAN UKRAINE PLAY IN REDUCING EUROPEAN DEPENDENCY ON RUSSIAN GAS?

The 2021 European energy crunch continues into 2022, leaving energy security at the forefront of concerns for policymakers, businesses and households throughout the continent. Facing growing gas prices, supply shortages and low storage levels in the midst of an ambitious green transition, it is crucial to start preparations for the winter season of 2022-2023 to safeguard against emergencies. How is Europe preparing for the next heating season and what are the areas for potential collaboration between Ukraine and its European partners to establish longer-term energy security in the region?

This panel discussion will focus on three main areas - sources, routes and clean energy.

- The Regional Energy Security Project
- Diversification of natural gas supply
- Diversification of transit routes
- Utilising Ukrainian gas storage system capacity
- Building up strategic reserves
- Alternative energy sources and advanced technologies

12:30 - 13:15

SPOTLIGHT PANEL DISCUSSION. HOW CAN UKRAINE RISE TO THE CHALLENGE OF BECOMING EUROPE'S KEY HYDROGEN HUB?

The Hydrogen Transformation Plan of Ukraine, the first hydrogen strategy draft, was presented on 22nd December, outlining the complete list of measures required for Ukraine to become Europe's hydrogen hub by 2050. This session will discuss how to achieve the goal of becoming a European exporter and what is required from all stakeholders.

- How does the hydrogen strategy enable Ukraine to become a major European exporter?
- How to facilitate an increase in hydrogen production capacity?
- How commercially attractive is it to invest in hydrogen projects today? Can we expect foreign investment soon and on which conditions?
- What progress has there been to date on developing the necessary transit infrastructure?
- Which technology partners will be pivotal in facilitating the hydrogen transformation?

13:15 - 14:15

LUNCH BREAK & NETWORKING

14:15 - 15:15

SESSION 3, PART I. CROSS-BORDER GAS TRANSMISSION AND INTEROPERABILITY IN THE REGION: HOW ARE THE REGIONAL TSOs WORKING TOGETHER TO DIVERSIFY SUPPLY ROUTES?

As transit volumes of Russian gas through Ukraine have continued to decrease, regional gas flows are evolving and TSOs are working together to facilitate regional gas market integration in order to reduce the pressure of gas supply monopoly and increase the security of supply. This session will cover the physical component of regional market development.

- **SEEGAS initiative.** What will happen after the signature of the MoU and what are the priorities for regional cooperation?
- **Border connectivity.** How can border connectivity be enhanced in order to make full use of gas capacity at IPs?
- **Transparency.** What is lacking with regards to equal access to information and the ability to act on that information, making capacity available to all?
- **Regulatory framework.** What are the shortcomings in the regulatory framework or its application, which prevent operability?
- **Investment into infrastructure.** How will investment into physical infrastructure need to be reassessed in order to reflect the needs of evolving supply routes?
- **Gas import diversification.** What opportunities will the deal with Hungary's FGSZ bring? What barriers need to be eliminated to see more of such diversification?

15:15 - 16:15

SESSION 3, PART II. INCREASING COMPETITION AND IMPROVING SERVICES IN CROSS-BORDER GAS TRADING: WHAT OPPORTUNITIES ARE ARISING FROM NEIGHBOURING GAS MARKET DEVELOPMENTS?

As SEE countries develop towards exchange-traded markets and hubs, cooperation is crucial in creating an integrated regional market and harmonising standards and practices. This session will explore how to leverage international experience to facilitate further opening of the market and create an improved trading environment.

- **New product and service launches.** How will new products from UEEEX open up the market to new players? What is next on the agenda?
- **Standardisation of products and practices.** What are the obstacles to standardisation on issues such as gas quality and how can they be tackled?
- **Establishing a clearinghouse.** How to develop a robust clearing model and what regulatory framework is necessary?
- **REMIT adoption.** How to safely implement REMIT legislation by July 2022 and what can Ukraine learn from its European counterparts?

16:15 - 16:45

AFTERNOON BREAK & NETWORKING

16:45 - 18:15

SESSION 4. THE DOMESTIC GAS MARKET: HOW WILL ADDITIONAL SUPPLIES IMPACT THE MARKET AND HOW TO TACKLE THE CHALLENGE OF PRICING VOLATILITY?

As gas prices in Europe have surged to record highs due to supply and storage shortages, there is growing pressure on the government to manage consumption peaks in the winter season without hindering the progress of market liberalisation.

In addition, at least 40% of UGV production will have to enter the market on local exchanges from May 2022. This session will discuss the implementation of the gas release programme and how market mechanisms are being applied to tackle the challenges of rising prices and to ensure market liquidity.

- **The gas release programme according to the IMF Memorandum.** How exactly will the UGV gas be made accessible to all market players and how will transparency be ensured in areas such as price setting?
- **Tariffs and price regulation.** How does the crisis justify price caps for private gas suppliers? Are there any alternatives that would be more market-friendly?
- **Market balancing.** How to solve the shortcomings of the current model? Is a neutral Gas Market Operator entity necessary?
- **Gas forwards.** How can third parties protect buyers from price volatility through various products and services?
- **Retail market.** How are consumers being empowered to control their own gas supply?

18:15 - 18:20

DAY ONE CLOSING REMARKS

18:20 - 20:30

EVENING RECEPTION & NETWORKING

CONFERENCE DAY TWO - Tuesday 12 April 2022

08:00 - 08:55

REGISTRATION & WELCOME REFRESHMENTS

08:55 - 09:00

DAY TWO OPENING REMARKS

09:00 - 10:30

SESSION 5. INCREASING DOMESTIC GAS PRODUCTION: NEW OPPORTUNITIES FOR PARTNERSHIP AND KNOWLEDGE-SHARING

2021 was a successful year for Ukrainian gas production and the positive tenancies are expected to continue into 2022 and beyond. Private companies have crossed the threshold of 20% growth in the past 5 years and UGV reversed the trend of declining state production with an increase of 3.5% in the second half of the year. 11 PSAs were signed in 2021, including foreign investment from Central European Energy Holding EPH. This session will provide an update from project operators on their plans and objectives, as well as their requirements for expertise and technology to achieve future project implementation.

- What are the current production objectives for the second half of 2022 and beyond What is the roadmap to achieving these and what exactly is required?
- What are the next steps for the major PSAs and the timelines to start seeing outcomes?
- What are the updates on UGV PEC clusters?
- What is the current assessment of existing fiscal policies and the regulatory environment?
- How do challenges differ for state-owned production vs private production?
- Which promising new fields are coming to auction in the near future?
- How are oil & gas service providers currently helping Ukraine achieve its production objectives?

10:30 - 11:00

SPOTLIGHT PANEL DISCUSSION. DEVELOPMENT OF THE BLACK SEA SHELF.

With Turkey expecting to start extracting gas from the Black Sea as soon as the first quarter of 2023 and Romania expecting to deliver in 2026, the prospects for Ukrainian projects in the Dolphin shelf are still unclear. What are the development scenarios and expectations and who are the likely partners that will bring offshore expertise and technology into this area?

11:00 - 11:30

MORNING BREAK & NETWORKING

11:30 - 13:00

B2B MEETINGS WITH OPERATORS

A unique opportunity to book 10-minute private meetings with a range of project operators. Sign up for these 1-to-1 meetings in advance, as there will be a limited number of meetings available! If you have any requests for specific companies or individuals that you would like to meet with, please submit them [here](#).

13:00 - 14:00

LUNCH BREAK & NETWORKING

14:00 - 15:15

SESSION 6. PSAs: WHAT CAN BE DONE IN ORDER TO AID SUCCESSFUL REALISATION?

According to the Association of Gas Producers of Ukraine, companies have committed to invest almost \$500 mln into the development of large-scale PSA oil and gas projects in the first 5 years since the PSA regime was established in Ukraine, making the PSA mechanism instrumental in strengthening the country's energy security. To attract further investment Ukraine needs to produce some major success stories to prove that the PSA is a reliable and mutually beneficial instrument for developing oil & gas projects. So how can these success stories be accelerated and what are the areas that need particular attention?

- **Legislation.** What is the progress on adopting Law No. 4344 and are there any other shortcomings in legislation that are stalling progress?
- **Process.** Which parts of the process are taking longer than anticipated and are particularly challenging? What can be done to address them?
- **Communication.** How can dialogue and trust be improved between foreign companies, the state and municipal authorities?
- **Consistency.** How to ensure consistency in the PSA process in the event of changes in government?

15:15 - 16:00

SPOTLIGHT PANEL DISCUSSION. ESG and CORPORATE GOVERNANCE: HOW TO MEET INVESTORS' EXPECTATIONS?

- What are the best practices for building and implementing an ESG strategy?
- How to enhance corporate governance standards?
- How to successfully source independent directors?
- What mechanisms are used to support accountability?
- How to establish a strong audit committee?
- How to use the ESG approach to make an impact on the financials?

16:00 - 16:30

AFTERNOON BREAK & NETWORKING

16:30 - 18:00

SESSION 7. DIGITALISATION OF OIL & GAS PRODUCTION: HOW FAR HAS DATA MANAGEMENT COME IN UKRAINE?

2021 saw the creation of the biggest geological database in Ukraine in a five-year digital transformation project. The topic of digitalisation has been trending for many years and it is now time to assess the practical accomplishments of the industry. This panel discussion will gather oil & gas decision-makers to discuss:

- Significant accomplishments in data management that have enabled more informed business decisions and a streamlining of processes
- The most painful challenges of digital transformation and how to overcome them
- Current plans and future requirements for data management

18:00 - 18:05

DAY TWO CLOSING REMARKS

18:05 - 20:00

NETWORKING RECEPTION

ELECTRICITY DAY - Wednesday 13 April 2022

07:30 - 08:55

REGISTRATION & WELCOME REFRESHMENTS

08:55 - 09:00

OPENING REMARKS FROM ADAM SMITH CONFERENCES

09:00 - 10:30

SESSION 1. STRENGTHENING ENERGY SECURITY THROUGH ELECTRIFICATION: HOW WILL GRID SYNCHRONISATION WITH ENTSO-E SHAPE THE MARKET AND OPEN UP NEW PROSPECTS FOR CROSS-BORDER TRADE AND INVESTMENT?

Electricity is playing an increasingly important role in European energy policy, both from the perspective of energy security and the green transition. EU demand is set to increase by 40% by 2050 and a significant amount of green power is expected to be imported. 2021 was a year of historical milestones for the electricity sector of Ukraine - Ukrenergo received certification according to the European ISO model and submitted its application for observer member state status at ENTSO-E. Following an in-depth analysis, ENTSO-E concluded that synchronisation can indeed go ahead. Synchronisation will open up opportunities for integrating the Ukrainian and European electricity markets with positive outcomes for Ukraine, including increased market liquidity, competitive pricing, and the attraction of investment. However, there are still steps to be taken for this to become a reality. In this session we will discuss:

- **Updated power grid model.** How will the Ukrainian power system function after synchronisation in 2023? According to the Generation Adequacy Report and Network Development Plan, how much additional production capacity will be required and from which specific sources? How will Ukraine develop interconnectors to increase electricity flows with the EU?
- **Results of the first isolation period.** What are the next steps for successful synchronisation? How will the Member trial period affect the market when imports and exports will not be possible? How to prepare for winter season demand in light of these conditions?
- **Prospects for export.** How will Ukraine be able to generate enough power in order to export given the current challenges in meeting domestic demand? How will decarbonization plans and the phase-out of coal-fired generation fit into the equation?
- **Market coupling.** What steps need to be taken to enable efficient cross-border electricity trading with the EU countries?
- **Investment requirements.** Where will investment into new generation capacity, cross-border transmission lines and grid balancing come from and what mechanisms will be in place to facilitate it?

10:30 - 11:30

SESSION 2. INCREASING NUCLEAR POWER GENERATION CAPACITY: WHAT WILL INTERNATIONAL PARTNERSHIPS BRING TO THE TABLE AND WHAT DOES UKRAINE NEED TO DO TO SECURE INVESTMENT?

In line with plans for decarbonisation of the Ukrainian energy sector, nuclear power generation is expected to develop further with the construction of new nuclear units. This growth could be further accelerated by the European Commission's plan to classify nuclear power as "environmentally sustainable", which would, in turn, facilitate investment into the sector. This panel discussion will assess the best possible opportunities for growth and mechanisms to facilitate modernisation.

- How will bilateral support from the United States and private US companies facilitate the development of nuclear technologies in Ukraine?
- What are the prospects and timing for the construction of small modular reactors?
- How will Energoatom prepare for international investment and what measures are being taken to strengthen corporate governance?
- Will we see the development of private nuclear generation in Ukraine?
- What plans are in place for developing human resources for the nuclear sector?

11:30 - 12:00

MORNING BREAK & NETWORKING

12:00 - 12:45

SESSION 3. FINANCING THE GROWTH OF RENEWABLES: WHAT WILL A MORE BALANCED APPROACH LOOK LIKE?

Renewable power generation in Ukraine is set to grow to 25% of the market share by 2030 in order to meet decarbonisation demands. However, the crisis with payments under the feed-in tariff system has led to a significant amount of debt and shaken investor trust, and the most critical task now is to establish a balanced and sustainable approach to financing new renewable projects. This session will discuss the most realistic mechanisms, their prospects and what needs to be put in place for their implementation.

- **Updates from project operators.** What are their plans for growth and what are the requirements in order to bring these plans to fruition? What are the preferred financing mechanisms?
- **Updates from the government and legislators.** What are the chances of implementing competitive auctions in the foreseeable future? What other mechanisms are being considered and which are most likely to be utilised?
- **Updates from financial institutions.** How do they see the growth of the renewables sector and under what conditions are they willing to provide financing? Utilising the successful international experience of financing renewable energy developments, what is the optimal pathway forward?
- **Wind vs solar.** How much growth are both of these sectors expecting to see and what unique challenges are they facing within the current framework?

12:45 - 14:00

SPOTLIGHT PANEL DISCUSSION. TO WHAT EXTENT ARE CORPORATE PPAs A SUITABLE MECHANISM FOR THE UKRAINIAN RENEWABLES SECTOR?

Corporate sourcing has been an excellent mechanism with a wide variety of operating models, rapidly gaining popularity in Europe. Does Ukraine have a suitable environment for these contracts and is the market mature enough? What are the obstacles to implementation and how easily can they be overcome?

- How much demand is there among companies operating locally and why? Is more education required regarding corporate PPAs for both buyers and suppliers?
- What would be the most appropriate and efficient platform to connect buyers and sellers?
- What are the obstacles, specific to the Ukrainian market, to implementing such contracts? Are there any gaps in legislation impacting corporate sourcing contracts?
- When will Ukraine implement the system to issue guarantees of origin and how can it facilitate the conclusion of corporate PPAs?
- What is the potential impact that corporate PPAs could have on the sector?

14:00 - 15:00

LUNCH BREAK & NETWORKING

15:00 - 16:30

B2B MEETINGS WITH ELECTRICITY PRODUCERS

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16:30 - 17:00

AFTERNOON BREAK & NETWORKING

17:00 - 18:30

SESSION 4. CROSS-BORDER ELECTRICITY TRADE AFTER UKRAINE'S SYNCHRONIZATION WITH ENTSO-E: HOW WILL THE MARKET OPERATE AND WHAT IS THE EXPECTED MODEL OF INTERACTION BETWEEN ELECTRICITY MARKET PLAYERS?

Synchronisation of the Ukrainian grid with ENTSO-E will open up opportunities for Ukraine to join the European electricity market and establish cross-border trading beyond the Burshtyn Island. This is expected to begin once Ukrenergo becomes a member of ENTSO-E and completes the trial period. This panel discussion will bring together international traders, TSO and market experts to assess how soon the market can operate and what needs to be done to increase liquidity.

- When will Ukraine be ready to join the European electricity market and what are the obstacles that need to be addressed?
- How will joining the European market impact the Ukrainian market and pricing?
- What are the plans for developing border capacity and interconnection points?
How will the TSO auctions work?
- What mechanisms will develop for major commercial consumers and traders to assist market operations?

18:30 - 18:35

ELECTRICITY FOCUS DAY CLOSING REMARKS

18:35 - 20:30

EVENING RECEPTION & NETWORKING