

28th September - 1st October 2021

– 6TH HAEE –
**ENERGY
TRANSITION
SYMPOSIUM**

“Looking ahead with optimism, beyond the Covid era”

Under the Auspices of:



HELLENIC REPUBLIC
MINISTRY OF FOREIGN AFFAIRS



HELLENIC REPUBLIC
MINISTRY OF INFRASTRUCTURE AND TRANSPORT



HELLENIC REPUBLIC
MINISTRY OF
DEVELOPMENT AND INVESTMENTS

Organised by:



6th HAEE ENERGY TRANSITION SYMPOSIUM:

“Looking ahead with optimism, beyond the Covid era”

28 September – 1 October 2021

Theoxenia Palace Hotel, Kifisia, Greece

DRAFT AGENDA

DAY 1 – Adonis Room

Tuesday, September 28, 2021

09.25-09.30 **WELCOME ADDRESS**

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

09.30-10.15 **OPENING KEYNOTE ADDRESS AND DISCUSSION**

Kostas Skrekas, Minister of Environment and Energy, Hellenic Republic

Towards a Green Energy Transition in discussion with:

Andreas Shiamishis, CEO, Hellenic Petroleum S.A.

Moderator: **Kostas Andriosopoulos**, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

10.15-11.00 **GREEK ENERGY MARKET DEVELOPMENTS**

Peti Perka, Member of Parliament Florina; Deputy Head of Environment & Energy Sector, SYRIZA

Giorgos Arvanitidis, Member of Parliament Thessaloniki B; Director of Environment and Energy Sector, KIN.AL.

Moderator: **Spiros Papaefthimiou**, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

11.00-11.15 **Break**

11.15-12.15 **REGIONAL COUPLING: THE ROLE OF POWER EXCHANGES IN SE EUROPE**

George Ioannou, CEO, Energy Exchange Group

Konstantin Konstantinov, CEO, Independent Bulgarian Energy Exchange (digital)

Miloš Mladenović, Managing Director, SEEPEX (digital)

Septimiu Rusu, Development Manager, Romanian Commodities Exchange (digital)

Moderator: **Victor Grigorescu**, Former Minister of Energy, Romania (digital)

12.15-13.15 **ENERGY TRANSITION AND SUSTAINABILITY CHALLENGES**

POWERED BY GAIA

Maria Christantoni, Sustainability Officer, Hellenic Republic Asset Development Fund

Theodora Antonakaki, Director of Climate Change and Sustainability Centre, Bank of Greece

Pantelis Capros, Professor of Energy Finance, National Technical University of Athens

Edmond Airantzis, co-Founder, New Energy Partners

Haris Doukas, Associate Professor, School of Electrical and Computer Engineering, National

Technical University of Athens (NTUA); General Secretary, HELORS

Moderator: **José Maillet**, Head of Gaia, Audencia Business School (digital)

13.15-13.30 **HAEE ANNUAL AWARD CEREMONY**

13.30-14.30 *Lunch*

14.30-15.30 **THE FUTURE OF THE GREEK RES MARKET (1)**

Giorgos Filiopoulos, CEO, Enterprise Greece

Konstantinos Mavros, CEO, PPC Renewables

Loukas Lazarakis, General Manager, Head of Energy Unit, Intrakat

Panagiotis Doulas, Director and Member of the Executive Committee, Howden-Matrix

Moderator: **Tasos Garis**, Founder and Director, Garis Partners

15.30-16.30 **THE FUTURE OF THE GREEK RES MARKET (2)**

Yiannis Yiarentis, President and CEO, DAPEEP

Grigoris Marinakis, General Manager, Voltalia Greece

Aristotelis Chantavas, Head of Europe Area, Enel Green Power; President, SolarPower Europe

Giannis Karydas, CEO Renewables and Energy Storage, Copelouzou Group

Moderator: **Haris Floudopoulos**, Journalist, capital.gr

16.30-17.00 **ACCELERATING THE DECARBONIZATION OF EUROPEAN ISLANDS**

Keynote Address:

Alexandra Sdoukou, General Secretary of Energy and Mineral Resources, Hellenic Republic

In discussion with:

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

17.00-18.00 **ENERGY SECURITY ISSUES IN THE EASTERN MEDITERRANEAN**

POWERED BY THE ATLANTIC COUNCIL

Keynote Address:

Nikos Dendias, Minister of Foreign Affairs, Hellenic Republic (TBC)

Geoffrey Pyatt, US Ambassador to the Hellenic Republic

Richard Morningstar, Founding Director and Chairman, Global Energy Center at the Atlantic Council; Former US Ambassador to the Rep. of Azerbaijan, Former US Ambassador to the EU (digital)

Samuel Furfari, Professor of the geopolitics of energy, Free University of Brussels

Aristofanis Stefatos, CEO, Hellenic Hydrocarbon Resources Management S.A.

Lucian Pugliaresi, President, Energy Policy Research Foundation (EPRINC)

Moderator: **Nikos Tsafos**, James R. Schlesinger Chair for Energy and Geopolitics, CSIS (digital)

DAY 2 – Adonis Room

Wednesday, September 29, 2021

09.30-10.30 **RESPONDING TO CLIMATE CHANGE: THE ROLE OF LOCAL GOVERNMENT**

Giorgos Patoulis, Governor of Attica Region

Konstantinos Gioutikas, Vice-Governor of Development and Environment, Central Macedonia Region (TBC)

Dimitris Papastergiou, President, Central Union of Municipalities in Greece (KEDE); Mayor of Trikala Municipality, Hellenic Republic

Moderator: **George Kremlis**, Principal Advisor to the Greek Prime Minister on Energy, Climate and Circular Economy Issues; President, International “Circular Clima Institute” of the European Public Law Organization

10.30-10.50 **THE TRANSFORMATION OF THE GREEK DISTRIBUTION SYSTEM OPERATOR**

Anastasios Manos, CEO, Hellenic Electricity Distribution Network Operator

Moderator: **Thodoris Panagoulis**, Editor in Chief, energypress.gr

10.50-11.10 *Coffee Break*

11.10-12.00 **EU GREEN DEAL AND THE FIT FOR 55 PACKAGE**

Keynote Address:

Enrique Rubio Viguera, Spanish Ambassador to the Hellenic Republic

Rabia Ferroukhi, Director, Knowledge, Policy and Finance Centre, IRENA (digital)

Andrew Scorer, Lead Freight Analyst, S&P Global Platts (digital)

Michael Schmela, Executive Advisor and Head of Market Intelligence, SolarPower Europe

In discussion with:

Nektaria Karakatsani, Advisor to the Minister of Environment and Energy, Hellenic Republic

12.00-12.45 **REGULATORY DEVELOPMENTS IN SUPPORT OF THE ENERGY TRANSITION**

Athanasios Dagoumas, President, Hellenic Regulatory Authority for Energy

Andreas Poullikkas, Chairman, Cyprus Energy Regulatory Authority

In discussion with:

Jean-Michel Glachant, Director, Florence School of Regulation; Holder of the Loyola de Palacio Chair (digital)

12.45-14.00 *Lunch*

14.00-15.00 **ADDRESSING THE EFFECTS OF CLIMATE CHANGE GLOBALLY**

POWERED BY CIRCULAR CLIMA INSTITUTE - EPLO

Keynote addresses:

Simos Kedikoglou, Deputy Minister of Rural Development and Food, Hellenic Republic (TBC)
Konstantinos Aravossis, General Secretary of Natural Environment and Water, Ministry of Environment and Energy, Hellenic Republic

Ricardo Raineri, Professor at Pontificia Universidad Católica de Chile, Former Energy Minister of Chile; Member of the WG on Energy Transition, UN DESA (digital)

Dimitris Kontaxis, General Manager Avin Oil; Chairman of the BoD, SEPAN (TBC)

Anastasios Tosios, Deputy CEO, EYDAP

Agis Papadopoulos, Chairman of the Board, EYATH; Professor, Aristotle University of Thessaloniki

In discussion with:

George Kremlis, Principal Advisor to the Greek Prime Minister on Energy, Climate and Circular Economy Issues; President, International “Circular Clima Institute” of the European Public Law Organization

15.00-15.20 **KEYNOTE ADDRESS: EU ENERGY TAX REFORM**

Keynote address:

Gerassimos Thomas, Director General Taxation and Customs Union, European Commission (digital)

In discussion with:

Kyriaki Kosmidou, Professor in Banking Finance, Aristotle University of Thessaloniki; Vice-President, Hellenic Association for Energy Economics

15.20-16.20 **GREEK PRIVATIZATION SUCCESS STORIES**

Manos Manousakis, Chairman and CEO, Independent Power Transmission Operator (TBC)

Marios Tsakas, CEO, Public Gas Distribution Networks S.A. (digital)

Paolo Gallo, Chief Executive Officer and General Manager ItalGas (TBC)

Harry Damaskos, Principal, European Bank for Reconstruction and Development

Moderator: **Thomas Lamnidis**, Managing Director, Lamnidis Law; Principal and Legal Advisor, Savvy Business sLTD

16.20-16.50 *Break*

16.50-17.50 **DECARBONIZATION AND SMARTIFICATION OF ISLANDS**

POWERED BY IANOS PROJECT

Nuno Marinho, Head of RES Integration and Flexibility, NEW R&D - Centre for New Energy Technologies, EDP – Energias de Portugal, Coordinator of IANOS project (digital)

Spyros Economou, President of the BoD, CRES

George Kavvouras, General Manager, Omexom/Vinci Energies Hellas

Vassilis Kalavrouziotis, Head of Software Development & Energy Management, Eunice Energy Group

Moderator: **Pierre-Jean Cherret**, VP New Business & Innovation, Items International (digital)

DAY 3 – Adonis Room

Thursday, September 30, 2021

09.30-10.15 **ENERGY TRANSITION - A KEY TO FOSTERING MULTILEVEL COOPERATION BETWEEN GREECE AND FRANCE**

Keynote address:

Adonis Georgiadis, Minister of Development and Investments, Hellenic Republic

Patrick Maisonnave, French Ambassador to the Hellenic Republic

In discussion with:

Kostas Andriosopoulos, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

10.15-11.30 **INVESTMENTS IN THE GREEK NATURAL GAS SECTOR**

Maria Rita Galli, CEO, Hellenic Gas Transmission System Operator S.A.

Konstantinos Eleftheriadis, Partner, Deloitte Greece

Nikolaos Koutsogiannis, Advisor to the BoD, HENGAS S.A.

Moderator: **Dimitris Pefanis**, Director of Financial and Business Content, DPG Digital Media

11.30-11.50 *Break*

11.50-13.30 **HYDROGEN AND RENEWABLE GASES: CHALLENGES AND OPPORTUNITIES**

George Kasapides, Regional Governor of Western Macedonia, Hellenic Republic

Chairman of the Coordinating Committee of the Plan for Fair Development Transition (TBC)

Gulmira Rzayeva, Senior Research Fellow, Oxford Institute for Energy Studies (OIES); Founder and Managing Director, Eurasia Analytics Ltd.

Constantinos Papalucas, Energy Policy Expert & EastMed Specialist Coordinator of the National Hydrogen Energy Committee (digital)

Executive, Senfluga (TBA)

Moderator: **Ioannis Moraitis**, Project Manager Hydrogen and Biomethane – International and European Affairs, DEPA

13.30-14.30 *Lunch*

14.30-16.00 **RECENT DEVELOPMENTS IN GAS MARKETS**

POWERED BY THE GLOBAL GAS CENTRE

Opening address:

René Bautz, Chairman, Global Gas Centre; CEO, Gaznat S.A.

Panayiotis Mitrou, Global Gas Segment Manager, Marine & Offshore, Lloyd's Register (digital)

Symeon Kassianides, Founder, Chairman and CEO, Hyperion Systems Engineering Group; Chairman, Natural Gas Public Company of Cyprus

Amir Foster, Executive Director, Association of Oil and Gas Exploration Industries in Israel

Thierry Bros, Vice President Research, Tellurian

Moderator: **Naji Abi-Aad**, Advisor, Global Gas Centre; Senior Consultant Gas Centre

16.00-17.15 **MONITORING METHANE FROM SPACE: TECHNOLOGY OVERVIEW AND IMPLICATIONS FOR THE GAS MARKET**

POWERED BY THE GLOBAL GAS CENTRE

Christian Lelong, Director of Natural Resources, Kayrros

In discussion with:

Maria Spyraki, Member of the European Parliament, Nea Dimokratia Party

Eleni Charisi, Natural Gas Market Reporter, Argus Media

Konstantin Romanov, Head of Division, Gazprom (digital)

17.15-18.00 **ESG CRITERIA: THE FUTURE AND SOCIALLY RESPONSIBLE INVESTMENTS**

Mamadou-Abou Sarr, President & Chief Executive Officer at V-Square Quantitative Management (digital)

Spyros Kiartzis, Manager, New Technologies and Alternative Energy Sources, HEL.PE.

Kostas Andriosopoulos, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

In discussion with:

Faidra Mavrogiorgi, Journalist and Owner ESG stories

DAY 4 – Adonis Room

Friday, October 1, 2021

09.30-10.15 **GREEN INFRASTRUCTURE: THE PATH TO SUSTAINABLE GROWTH AND A CLIMATE-NEUTRAL ECONOMY**

Opening Keynote Address:

Kostas Ach. Karamanlis, Minister of Infrastructure and Transport, Hellenic Republic

Matthew Lodge, UK Ambassador to the Hellenic Republic

In discussion with:

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

10.15-11.15 **E-MOBILITY AT THE FOREFRONT OF GREEN DEVELOPMENT**

Kyriakos Kofinas, General Director of e-mobility, PPC

Elias Petris, Strategy and Business Development Manager, NRG

Vasilis Georgiou, Managing Director, Protasis

Dimitris Kavvouris, Chief Operating Officer Citroen, DS Automobiles, and Mazda

Moderator: **Thanos Zarogiannis**, Electric Vehicles Charging Specialist, Advisor on Electromobility

11.15-11.45 **Break**

11.45-12.45 **THE ROLE OF POWER PURCHASE AGREEMENTS IN THE TARGET MODEL**

Athanasios Cholevas, Head Global Market Solutions, Corporate Transaction Banking, National Bank of Greece

Christos Georgopoulos, CEO, Inaccess

Guillaume Dupret, Energy Market Director, Akuo Energy

Vasilis Machias, Country Manager Greece, Axpo Solutions

Tasos Athanopoulos, President and CEO, Enerdia S.A.

Moderator: **TBA**

12.45-14.00 **NEW TECHNOLOGIES AND INNOVATION ADVANCEMENTS IN THE ENERGY MARKETS**
POWERED BY ENERGY DELTA INSTITUTE

Marcel Kramer, Energy and Infrastructure Consultant; President, Energy Delta Institute

Maher Chebbo, Chair, European ETIP Digital Energy Group and Digital Batteries Task Force (digital)

Gianfranco Scalabrini, Partner, 3H Partners, Professor of Energy Markets, Luiss Guido Carli

Nikolaos Chatziargyriou, Director, Full Professor, National Technical University of Athens (TBC)

Moderator: **Miguel Palacios**, Academic Dean Executive Education, ESCP Europe Business School (digital)

14.00-15.00 *Lunch*

15.00-15.15 **COMBATING CLIMATE CHANGE IN THE AGRICULTURAL SECTOR – EUROPEAN GREEN DEAL AND NATIONAL POLICIES**

Keynote address:

Spilios Livanos, Minister of Rural Development and Food (TBC)

15.15-16.15 **SMALL SCALE RES AND OFF-SHORE WIND POTENTIAL FOR GREECE**

Panagiotis Papastamatiou, Director, ENTEKA; CEO, Hellenic Wind Energy Association
Konstantinos Tomaras, General Director, Spyropoulos S.A.

Moderator: **Nikos Frydas**, Principal, Energy Advisory, Grant Thornton S.A.

16.15-17.15 **ACCELERATING THE CLEAN ENERGY TRANSITION ON ISLANDS**

POWERED BY NESOI EUROPEAN ISLANDS FACILITY

Andrea Martinez, Deputy Managing Director, Sinloc
Panagiotis Grammelis, Director of Research, Chemical Process and Energy Resources Institute, Centre for Research and Technology Hellas
Giorgos Hatzimarkos, Governor of South Aegean Region (TBC)
Vasilis Roussakis, Deputy Mayor of Economic Growth, Municipality of Chalki

Moderator: **TBA**

17.15-18.15 **THE ROLE OF GEOPOLITICS IN SE EUROPE**

David Livingston, Senior Advisor, US Department of State (digital)
Olga Khakova, Associate Director for European Energy Security, Atlantic Council (digital)
Nicolò Sartori, Senior Researcher, Enel Foundation (digital)
Theodoros Tsakiris, Associate Professor of Geopolitics and Energy Policy, University of Nicosia Business School

Moderator: **Kostas Andriosopoulos**, Professor of Energy Economics, Audencia Business School; Chairman, Board of Energy Transition of HAEE; President, Energy Committee of AmCham

18.15-18.30 **CLOSING REMARKS**

Keynote Address:

James Smith, President, International Association for Energy Economics (IAEE); Editor, The Energy Journal; Professor Emeritus, Southern Methodist University (digital)

In discussion with:

Spiros Papaefthimiou, Chairman, Hellenic Association for Energy Economics (HAEE); Assoc. Professor in Energy Management Systems and Energy Efficiency Technologies, Technical University of Crete

Concurrent Sessions – Academic Paper Presentations

DAY 2 – Virtual Room Wednesday, September 29, 2021

18.00-19.30 **Session Chair: Dimitra Koumparou**

Climate Change Adaptation Measures and Strategies for Electric Grid Resilience Enhancement: Impact Assessment and Lessons Learnt from the Recent Extreme Weather Event “Medea”

Authors: Aikaterini Gkika, Efstratios Zacharis, Dimitrios Skikos, Dimitrios Lagos
Presenter: Aikaterini Gkika

Geothermal Hybrid. Energy Production Using Deep Drilling for Electricity and Green Hydrogen Production

Author: Achilles Kanellopoulos
Presenter: Achilles Kanellopoulos

Assessment of an existing gas pipeline to be retrofitted to hydrogen transport – material evaluations

Authors: Alessandro Terenzi, Enrico Torselletti, Daniele Scarsciafratte, Domenico Tomassini
Presenter: Enriquo Torselleti

Accelerating the transformation of the Greek energy system through green hydrogen’s penetration in the energy mix: A multicriteria-based power generation schedule

Authors: Diamantis Koutsandreas, Ioannis Pappis, Georgios Trachanas, Alexandros Nikas, Haris Doukas

Presenter: Diamantis Koutsandreas

Culture and energy transition

Authors: D. Koumparou, E. Zervas

Presenter: Dimitra Koumparou

DAY 3 – Virtual Room

Thursday, September 30, 2021

18.10-19.40 **Session Chair: Filippos Ioannidis**

Comparative analysis between different approaches for calculating on-board passenger ship's emissions and fuel-energy consumption based on operational data

Authors: Emmanouil Doundoulakis, Spiros Papaefthimiou

Presenter: Emmanouil Doundoulakis

Environmental impact of new Directives, Regulations and Covid-19 restrictions in the shipping sector: the case study of passenger ferries and cruise vessels in the region of Crete

Authors: Emmanouil Doundoulakis, Ioannis Sitzimis

Presenter: Emmanouil Doundoulakis

Advanced control systems and sensors based on Internet of Things (IoT) technologies for smart greenhouses

Authors: Evangelos Ntousakis, Kostantinos Loukakis, Spiros Papaefthimiou

Presenter: Evangelos Ntousakis

Development of Intelligent and Energy-autonomous Greenhouse using innovative technologies to improve productivity and product quality (IEnGreen)

Authors: Kostantinos Loukakis, Vangelis Dimitriou, George Papadakis, Spiros Papaefthimiou, Manolis Souliotis

Presenter: Konstantinos Loukakis

Save Energy Checker Tool (SECT)

Authors: Maria Milousi, George Georgiadis, Dimitris Ziouzos, Andreas Koskeris, Manolis Souliotis

Presenter: Maria Milousi

End of Symposium

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