



9TH INTERNATIONAL FORUM ON ENERGY FOR SUSTAINABLE DEVELOPMENT

12-15 November 2018
Kyiv, Ukraine

PROVISIONAL AGENDA

AGENDA MINISTERIAL CONFERENCE AND 9TH INTERNATIONAL FORUM ON ENERGY FOR SUSTAINABLE DEVELOPMENT

12 November – Day 1 (morning)

Ministerial Conference Opening

Mr. Volodymyr Hroysman, Prime Minister of Ukraine
 Ms. Osnat Lubrani, Resident Coordinator of the United Nations System in Ukraine/UNDP Resident Representative
 Mr. Ihor Nasalyk, Minister of Energy and Coal Industry of Ukraine
 Mr. Miguel Arias Cañete, European Commissioner for Climate Action and Energy (TBC)

Plenary Session *Energy for development – the new normal*

Moderator:

- Mr. Janez Kopač, Director of Energy Community Secretariat

Roundtable discussion

- *Why is energy transition vital to sustainable development?*
- *What is the new normal in energy?*
- *Is the world ready for digital energy?*
- *Which innovative forward-looking strategies can work for energy transition?*

Panellists:

- Mr. Chiril Gaburici, Minister of Economy and Infrastructure of the Republic of Moldova
- Ms. Agneta Rising, Director General World Nuclear Association
- Mr. Hans-Josef Fell, President, Energy Watch Group, Member of the German Parliament 1998-2013
- Ms. Olga Algayerova, Executive Secretary of the United Nations Economic Commission for Europe (UNECE)
- Mr. Andriy Kobolyev, CEO of NJSC «Naftogaz of Ukraine»

Plenary Session *Let's talk about the elephant*

Moderator:

- Mr. Graeme Maxton, Full Member and Former Secretary General of The Club of Rome

Round-table discussion:

- *How can the need to modernise fossil-based economies be reconciled with the climate agenda?*
- *How big is the gap between the globally agreed targets and the approved strategies currently in place?*
- *What is needed to build robust energy systems?*
- *Which examples exist for a regional and structural change towards future energy systems? Which business models for the transition of industrial sites can be replicated?*
- *How can the human factor be strengthened?*

Panellists:

- Mr. Victor Koronkivich, Minister of Energy of the Republic of Belarus (TBC)
- Mr. Joseph Mizzi, Minister for Energy and Water Management, Malta
- Ms. Nataliya Boyko, Deputy Minister for European Integration, Ministry of Energy and Coal Industry of Ukraine
- Ms. Megan Richards, Director, Energy Policy, DG Energy, European Commission
- Mr. Urban Rusnak, Secretary General of the Energy Charter
- Mr. Yuriy Nedashkovskiy, CEO NNEGC "Energoatom"

Closing remarks

Conference photo

13:00 - 14:30 Press Conference (by invitation only) / Lunch break

Forum continues in four parallel tracks:

Track I: Energy transition and decarbonization

Track II: Robust systems and infrastructure

Track III: Matchmaking and investor confidence

Track IV: Hot topics and deep dives

Parallel events

	Track I: Energy transition and decarbonization	Track II: Robust systems and infrastructure	Track III: Matchmaking and investor confidence	Track IV: Hot topics and deep dives
14:30-16:00	<p>Energy-related Sustainable Development Goals (SDG) implementation and progress tracking</p> <p>The urgency for a regional cooperation in support of the implementation and progress tracking of SDG7. Why all UN Regional Commissions should work together Mr. Scott Foster, Director, Sustainable Energy Division, UNECE</p> <p>Round Table Key Regional Insights on Tracking Progress in Sustainable Energy Mr. Scott Foster, UNECE Mr. Hongpeng Liu, ESCAP Mr. Rubén Contreras Lisperguer, ECLAC Ms. Radia Sedaoui, ESCWA Mr. Linus Mofor, ECA</p> <p>Open discussion on tracking progress in sustainable energy with contributions from member States of the UN Regional Commissions Moderator: Mr. Rubén Contreras Lisperguer, ECLAC</p> <p>Conclusions and reflections Mr. Hongpeng Liu, Director, Energy Division, ESCAP</p>	<p>Protection of critical energy infrastructure Session 1: Mitigating Security Risks to Critical Energy Infrastructure Introduction by Mr. Ralf Ernst, Deputy Co-ordinator/ Head Environmental Activities, OSCE Ukraine (TBC) Keynote presentation: Risk Governance and Mapping for Critical Energy Infrastructure – Perspectives from the OSCE/UNECE region Ms. Nadejda Komendantova, Senior Research Scholar, IIASA Presentation: Enhancing Climate Resilience of Critical Energy Infrastructure Mr. Linus Mofor, ECA Panel Discussion. Moderator: Mr. Daniel Kroos, OSCE Panellists: Ms. Milka Mumovic, Electricity & Statistics Expert, Energy Community Mr. Khalid Ghazlani, President, EnerGconsulting Mr. Lubomir Tomek, Director, Center for Energy Systems Representative from Ukraine (TBC) Mr. Arslan Omurzakov, Advisor to the Ministry of Energy, Kyrgyz Republic Mr. Oleh Klymenkov, Head of the Department on Strategic Planning and Analysis, National Security and Defence Council of Ukraine Open discussion and session conclusion</p>	<p>Launch of Energy Charter Energy Investment Risk Assessment Report (EIRA) Opening / Welcoming remarks Dr. Urban Rusnák, Secretary-General of the Energy Charter Secretariat EIRA2018 explained Mr. David Kramer, Head of the Investment Unit of the Energy Charter Secretariat Panel discussion Moderator: Mr. Oleksandr Antonenko Panellists: Ms. Nataliya Boyko, Deputy Minister of Energy and Coal Industry of Ukraine Mr. Artashes Kirakosyan, Acting General Secretary of the Ministry of Energy Infrastructures and Natural Resources of Armenia Prof. Martha Roggenkamp, Professor of Energy Law, University of Groningen Mr. David Kramer, Head of Unit for Investment, Energy Charter Secretariat Mr. Bekbergen Kerey, Deputy Director for International Cooperation and Economic Integration, Ministry of Energy of the Republic of Kazakhstan Mr. Mirjel Dollani, Advisor to the Minister, Ministry of Infrastructure and Energy of Albania Wrap-Up / Conclusions Dr. Urban Rusnák, Secretary-General of the Energy Charter Secretariat</p>	<p>Critical Raw Materials (CRM) for Sustainable Energy Systems Session 1: Market outlook on CRMs: can CRM supply meet the growing demand for clean energy systems?</p> <p>Keynote presentation: Nuclear energy as a dominant pathway to energy efficiency for Sustainable Development and the role of critical materials Dr. Georgii Rudko, Chairman, State Commission of Ukraine on Mineral Resources.</p> <p>Mr. Bob Vance, UMNP Consulting and formerly OECD NEA. Overview of Uranium Resource Production and Demand Mr. Ivan Virshylo, Taras Shevchenko National University of Kyiv. Uranium and REE raw material long term potential in Ukraine Mr. Sigurd Heiberg, Petrad, Norway. A guidance for the Application of the UNFC for Mineral Resources in Finland, Norway and Sweden Mr. Luis Lopez, CNEA, Argentina. Application of UNFC for the classification of U and REE resources: Argentina Case study Mr. John Mair, Mr. James Eggins, Greenland Minerals. Mining rare earths and uranium – Greenland’s Kvanefjeld Project Discussion/Questions & Answers</p>
16:00-16:30	Coffee-break			
16:30-18:00	<p>Implementation of SDG7 on the national level and lessons learnt for the regional level Opening remarks by Mr. Hongpeng Liu, Director, Energy Division, ESCAP Regional cooperation for evidence-based policy in the energy sector Mr. Fabian Kreuzer, Economic Affairs Officer, Energy Division, ESCAP Rethinking energy systems and tracking SDG7 as prerequisite for sustainable energy Mr. Ruben Lisperger, Economic Affairs Officer, Division of Natural Resources and Energy, ECLAC Country insights: Thailand, Kazakhstan, Argentina, Georgia Mr. Bekbergen Kerey, Deputy Director, Department of International Cooperation and Integration Processes, Ministry of Energy, Kazakhstan Dr. Prasert Sinsukprasert, Inspector, Ministry of Energy, Thailand Mr. Tomás Barros, Director Legal, Contracts and Futures Market, Ministry of Energy and Mining, Argentina Ms. Tea Avazashvili, Consultant Energy Policy Department, Ministry of Economy and Sustainable Development, Georgia Panel discussion. Moderator: Mr. Ruben Lisperger, ECLAC Panellists: Mr. Behnam Zakeri, Research Scholar, International Institute for Applied System Analysis (IIASA); Ms. Alisa Freyre, Project Manager Atlas & Energy Observatory, Energy Transition Department, Services Industriels de Genève (SIG); Ms. Fernanda Hermosillo Gatica, International Affairs Advisor to CEO, Petroleos Mexicanos (PEMEX) Conclusions and reflections</p>		<p>Methane management in extractive activities Welcome / Introduction / Moderator Mr. Mark Radka, Chief, Energy and Climate Branch, Economy Division, UN Environment Panel Discussion Panellists: Mr. Cristian Carraretto, Associate Director, Energy Efficiency & Climate Change, EBRD Mr. Torleif Haugland, Senior Partner, Carbon Limits, Consultant, UNECE Mr. Jason Hummel, US EPA Contractor and GMI Project Network Member Mr. Oleksii Khabatyuk, Head, Energy Efficiency Department, Naftogaz Mr. Julien Perez, Strategy & Policy Director, OGCI Mr. Raymond Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane Q&A with audience Wrap-Up / Conclusion Mr. Scott Foster, Director, Sustainable Energy Division, UNECE</p>	<p>Critical Raw Materials (CRM) for Sustainable Energy Systems (cont.)</p> <p>Session 2: Panel session on the governance and environmental management of CRM resources Moderator: Mr. Julian Hilton, Chairman, EGRC SDGD Working Group Panellists: Mr. Martin Fairclough, IAEA. Should uranium be considered a critical material? Mr. Julian Hilton. Redesign of Uranium Resource Pathway Mr. Hari Tulsidas, UNECE. Towards socially, environmentally and economically sound management of mineral resources, United Nations Resource Management System (UNRMS) Mr. Serge Gorlin, World Nuclear Association. Internationally Standardized Reporting on the Sustainable Development Performance of Uranium Mining and Processing Sites Discussion/Questions & Answers Conclusions and Recommendations</p>

13 November – Day 2 (morning)

Parallel events

Track I: Energy transition and decarbonization **Track II: Robust systems and infrastructure** **Track III: Matchmaking and investor confidence** **Track IV: Hot topics and deep dives**

09:00-10:30

The role of bioenergy in light of changes to the energy landscape
Welcome by the Moderator
 Mr. Nazir Ramazanov, Chair of the UNECE Group of Experts on Renewable Energy
Introduction
 Mr. Kostiantyn Gura, Acting Director, Green Investment Development Center Ukraine
Presentation “The current and future role of bioenergy”
 Dr. Adam Brown, Consultant, Renewable Energy Division, IEA
Bioenergy and sustainable development
 Mr. Uwe Fritsche, IINAS
Presentation “Enhancing sustainable bioenergy supply” (TBC)
 Mr. Luis Janeiro, Programme Officer - Renewable Energy Roadmaps, IRENA
Regional perspective on bioenergy (TBC)
 Mr. Borys Dodonov, Country Expert Ukraine, IEA
Panel discussion and Q&As from audience
 Ms. Olga Yeriomina, Associate Director, Power& Energy Utilities, EBRD and participants
Conclusions

Workshop on Energy Efficiency in Industry: Making Industrial Energy Efficiency the New Normal (in the framework of the fifth session of GEEE)
Session 1. Moving from defining to achieving the energy efficiency potential
Challenge introduction: Putting the real state of affairs of industrial energy efficiency progress on the table.
 Mr. Hannes Mac Nulty, Vice-Chair, GEEE
 Mr. Stefan Buettner, Vice-Chair, GEEE
Panel session
Moderator: Mr. Jean-Luc Di Paola Galloni, Group Corporate Vice President, Sustainable Development & External Affairs, Valeo
Panellists:
 Mr. Ming Yang, Senior Climate Change Specialist, The Global Environment Facility (GEF)
 Mr. Erik Gudbjerg, UNIDO energy efficiency expert and Director, YourEnergy
 Mr. Igor Luchinin, Energy Efficiency Manager, JSC “Svitlo Shakhtarya”, CORUM Group
 Mr. Sergiy Savchuk, Head of State Agency on Energy Efficiency and Energy Saving of Ukraine
 Ms. Yassamin Ansari, Senior Advisor, Mission 2020

Modernising infrastructure
Welcome / Introduction / Moderator
 Mr. Raymond Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane
Panel Discussion
Panellists:
 Mr. Mykhailo Bno-Airriian, Deputy Chief Executive Officer, Ukrenergo
 Mr. Scott Foster, Director, Sustainable Energy Division, UNECE
 Mr. Phil Grainger, Manger, Climate Change, IPIECA
 Ms. Stefanie Held, Project Manager, Pathways to Sustainable Energy Project, UNECE
 Dr. Stephan Singer, Senior Advisor, Global Energy Policies, Climate Action Network International
 Mr. Stefan Stückrad, Scientific Managing Director, Kopernikus ENavi Coordination Office
 Mr. Heiko Thomas, Research Associate, Institute for Advanced Sustainability Studies, Potsdam
Q&A with audience
Wrap-Up / Conclusion
 Mr. Raymond Pilcher

Protection of critical energy infrastructure (cont.)
Session 2: Protecting Energy Infrastructure from Cyber Attacks
Introduction
 Mr. Daniel Kroos, Senior Programme Officer, Energy Security, OSCE
Keynote presentation: OSCE Work on Cyber/ICT Security pertaining to the Energy Sector
Ms. Elisabeth Abela Hampel, Deputy Head, Action against Terrorism Unit, OSCE
 Representative of Ukraine (**topic TBD**)
Panel Discussion
Moderator: Mr. Daniel Kroos, Senior Programme Officer, Energy Security, OSCE
Panellists:
Mr. Velimir Radicevic, OSCE Coordination of TNT Activities
Lieutenant-General Leonid Yevdochenko, Head, State Service of Special Communications and Information Protection of Ukraine
 Representative Argonne National Laboratory
Ms. Elisabeth Abela Hampel, Deputy Head, Action against Terrorism Unit, OSCE
Open discussion and session conclusion
Summary of key messages on Creating Resilience, Mitigating Risks and Ensuring Sustainability
Mr. Ralf Ernst, OSCE Deputy Co-ordinator for Environmental Affairs
Mr. Daniel Kroos, Senior Programme Officer, Energy Security, OSCE
Mr. Linus Mofor, Senior Environmental Affairs Officer, Energy, Infrastructure and Climate Change, African Climate Policy Centre, Special Initiatives Division, ECA

10:30-11:00

Coffee break

11:00-12:30

Practical Aspects of Transition Towards 100% Renewables
Welcome / Introduction
 Ms. Irina Stavchuk, Director of Ecoaction NGO (Ukraine)
Presentation: “Why the world is transiting to 100% renewable energy?”
 Dr. Stephan Singer, Climate Action Network International, Senior Advisor on Global Energy Policies
Presentation: “How transition to renewable energy sources is happening in business sector?”
 Mr. Yuri Dziuba, Director of Logistic and Real estate Department, Credit Agricole
Presentation: “Why our city invested in transition to clean energy?”
 Mr. Sergey Sukhomlin, Mayor of Zhitomir city (Ukraine)
Presentation: “How financial institutions can support the transition to 100% renewable energy?”
 Mr. Sergiy Maslichenko, EBRD, Associate Director Energy Efficiency and Climate Change
Q&A session,
Panel Discussion
Moderator: Ms. Irina Stavchuk, Director of Ecoaction NGO
Wrap up

Workshop on Energy Efficiency in Industry (continued)
Session 2. Transforming on the ground experience into best practice policy
Panel discussion
Moderator: Mr. Helge Schramm, Sustainability & LCA Expert, Danfoss A/S
Panellists:
 Ms. Aleksandra Mirowicz, RE100 Policy Manager
 Mr. Ricardo Külheim, Project Manager, GIZ
 Mr. Boris Melnichuk, Expert, Board on Energy Efficiency under the Government of the Russian Federation
 Ms. Alyona Nevidoma, Project Administrator, Department of Energy, UNIDO
 Mr. Oleksiy Khabatiuk, Deputy Head, Energy Efficiency Department, National Joint-Stock Company "Naftogaz of Ukraine"
Reaction from audience, interactive discussion with panellists

Renewable Energy Match-making
Welcome / Introduction by Mr. Nazir Ramazanov, Chair of the UNECE Group of Experts on Renewable Energy (GERE)
Overview Presentations: Support to Renewable Energy Uptake
 Mr. Arjun Guha, Programme Officer Energy Finance, IRENA
 Mr. Emmanuel Bergasse, Key Expert for EU Neighborhood (East and South) and Central Asia, EU Technical Assistance Facility for Sustainable Energy (EU TAF for SE)
 Mr. Gianluca Sambucini, Secretary of GERE, UNECE
Panel discussion: Renewable Energy Investment Prospects and Support Tools
Moderator: IRENA
Panellists:
 Ms. Marina Petrov, Deputy Head of Ukraine Office, Head of Energy and Infrastructure, EBRD
 Mr. Oliver Frank, Head of Renewable Energy and Mobility German Energy Agency (dena)
 Mr. Iñigo Arencibia, Senior Energy Expert, European Investment Bank
Wrap-Up / Conclusion, IRENA
 Mr. Nazir Ramazanov, Chair of GERE

Nuclear Energy and Sustainable Development: Role in decarbonized energy mix
Opening remarks Key Note Presentation *Climate Change and Energy Transition Pathways: Need for realism*
 Ukraine (TBC)
Session 1: National perspectives on Nuclear Energy for Sustainable Development
Panel session: Nuclear energy development and newcomer countries. Energy policy
Moderator: Ms. Agneta Rising, World Nuclear Association
Ukraine perspective: Mr. Taras Tkach, DP Energoatom
UK perspective: Mr. Tim Yeo, The New Nuclear Watch Institute
Canada perspective: Mr. Ramesh Sadhankar, Canadian Nuclear Laboratories

12:30-14:00

Lunch break

13 November – Day 2 (afternoon)

Workshop on Energy Efficiency in Buildings (in the framework of fifth session of GEEE, fourth meeting of the Joint Task Force on EE Standards in Buildings)

Welcome / Introduction
Mr. Scott Foster, Director, Sustainable Energy Division, UNECE

Presentations
Ms. Domenica Carriero, UNECE. **Study on Mapping of Existing Energy Efficiency Standards and Technologies in Buildings in the UNECE region**
Ms. Kankana Dubey and Mr. Andrey Dodonov, UNECE Consultants. **Study on Mapping of Existing Technologies to Enhance Energy Efficiency in Buildings in the UNECE region**
Mr. Vitaly Bekker, UNECE Consultant. **Outcomes of the Training Course on High-Performance Energy Efficiency Standards in Buildings and Further Steps. Preliminary approach to Compendium of best practices on standards and technologies for energy efficiency in buildings.**
Ms. Nadejda Khamrakulova, UNECE Consultant. **Presenting Online Database of Experts on Energy Efficiency in Buildings in UNECE region**
Mr. Mongi Bida, First Economic Affairs Officer, Sustainable Development Policies Division, ESCWA. **Improving the energy sustainability of the building sector in the Arab region**

Panel Discussion
Moderator: Mr. Andres Jaadla, Chair, Estonian National Housing Association (EKYL)
Panellists:
Mr. Matija Vajdić, Project Manager, Interreg CENTRAL EUROPE Programme
Dr. Romanas Savickas, Senior Advisor for Energy, Copenhagen Centre on Energy Efficiency
Mr. George Abulashvili, Director of Energy Efficiency Centre, Georgia
Mr. Romen Zakhidov, Head of the Department, Scientific-Technical Center of Uzbekenergo
Ms. Svetlana Ristić, Head of Section of Housing Policy, Energy Efficiency and Public Utilities, Ministry of Construction, Transport and Infrastructure, Serbia
Mr. Knut Höller, Managing Board Member, Housing Initiative for Eastern Europe (IWO)

14:00-15:30

Renewable Energy Match-making

Welcome / Introduction to Part I: Policies and tools for RE&EE deployment
HE Mykhaylo Blyzniuk, Deputy Minister of Energy and Coal Industry, Ukraine
Mr. Torsten Woellert, Support Group for Ukraine (SGUA), DG NEAR, European Commission
Mr. Scott Foster, Director Sustainable Energy Division, UNECE

Technical Presentation: Policies and tools to foster investment in RE&EE.
Mr. Assen Gasharov, Expert, EU Technical Assistance Facility (TAF) for Sustainable Energy

Country case studies of policy initiatives that increase RE and EE investment: Kazakhstan and Ukraine
Ms. Baltugan Tazhmakina, Department of Renewable Energy, Ministry of Energy, Kazakhstan
Mr. Borys Dodonov, IEA-EU4Energy

Panel discussion: Enabling policies for RE&EE uptake, lessons learnt
Mr. Adam Brown, Renewable Energy Division, IEA
Mr. Borys Dodonov, IEA-EU4Energy
Mr. Artan Leskoviku, Director of RES National Agency of Natural Resources, Albania
Ms. Tea Avazashvili, Senior Specialist, Renewable Energy and Energy Efficiency Division, Ministry of Economy and Sustainable Development of Georgia
Dr. Stephan Singer, Senior Advisor, Global Energy Policies, Climate Action Network (CAN)
Mr. Alaibek Obozov, Director, Renewable Energy, Research Institute of Energy and Economics, Kyrgyzstan

Wrap-Up / Conclusions
Mr. Gianluca Sambucini, Secretary of the Group of Experts on Renewable Energy (GERE), UNECE
EU TAF

Nuclear Energy and Sustainable Development: Role in decarbonized energy mix

Session 2: Nuclear Energy's Role in Low-Carbon Stabilization Pathways

Panel session: Nuclear energy for sustainable development.

Moderator:
Mr. David Shropshire, Head of the Planning and Economic Studies Section, IAEA

Panellists:

Harmony - the future of electricity and nuclear delivering its potential
Mr. King Lee, World Nuclear Association

Nuclear and renewables in low-carbon electricity systems
Mr. Marco Cometto OECD/NEA

Nuclear energy capabilities related to Ukraine's INDC
Mr. Oleksandr Nemtsov, Energoatom

15:30-16:00

Coffee break

Workshop on Energy Efficiency in Buildings (cont.)

Introduction on the Framework Guidelines, and Global Building Network and International Centres of Excellence on High Performance Buildings
Mr. Scott Foster, Director, Sustainable Energy Division, UNECE

Panel Discussion
Moderator: Mr. Aleksandar Dukovski, Chair, UNECE Group of Experts on Energy Efficiency

Video message: Dr. Peter Graham, Executive Director, Global Building Network

Panellists:
Mr. Kostiantyn Gura, State Agency on Energy Efficiency and Energy Saving of Ukraine
Ms. Elena Reyes-Bernal, Researcher, Passive House Institute
Mr. Helge Schramm, Sustainability & LCA Expert, Danfoss A/S
Mr. Vahram Jalalyan, Manager, UNDP-GCF Project on De-Risking and Scaling Up Energy Efficiency Retrofits in Armenia

Q&A with audience, Wrap-Up / Conclusion

16:00-17:30

Renewable Energy Match-making

Introduction to **Part II: Best practice examples of RE&EE project financing**
Mr. Gianluca Sambucini, UNECE

Technical Presentation on Sustainable Energy investment and financing
Mr. Vassilis Triantafyllos, Expert, EU TAF.

Ukrainian Energy Efficiency Fund (by EU, Germany, IFC and Ukraine)
Mr. Johannes Baur, Head of Sector Economic Cooperation, Energy, Infrastructure and Environment, Delegation of the European Union to Ukraine
Ms. Yuliia Holovatiuk-Ungureanu, Acting Director, Energy Efficiency Fund, Ukraine

Presentations of RE&EE Project case studies and perspectives of new projects
Ms. Nuzgar Khaindrava, Georgian Energy Development Fund (GEDF)
Mr. Valeriy Kotsiuba, Director of Department on Investment Activity in Renewable Energy, State Agency on Energy Efficiency and Energy Saving (SAEE), Ukraine.

Panel discussion: How to scale-up RE&EE investment
Ms. Marina Petrov, Deputy Director in Ukraine, EBRD
Ms. Yuliia Holovatiuk-Ungureanu, Acting Director, Energy Efficiency Fund, Ukraine
Ms. Nuzgar Khaindrava, Georgian Energy Development Fund (GEDF)
Mr. Yuriy Hnatyuk, Company Energorynok, Ukraine
Ms. Vasylyna Horban, GIZ Ukraine

Wrap-Up / Conclusions

Nuclear Energy by 2050

Panel discussion: Nuclear energy: Beyond electricity - innovation, advanced reactors

Moderator: Mr. Hari Tulsidas, UNECE
Panellists:
Priority actions of Energoatom for the achievement of SDGs
Mr. Mykola Vlasenko, Energoatom
Challenges and opportunities for nuclear to fulfil the climate promise
Mr. David Shropshire, IAEA
Role of advanced reactors in clean energy future
Mr. Rauli Partanen, Freelance Writer and Energy Analyst

Closing/ Concluding Remarks
Ms. Agneta Rising, World Nuclear Association

Plenary Session *Disruptive voices: Digitalization in the energy sector*

Introductory remarks and moderation

Mr. Aleksandar Dukovski, Chair, UNECE Group of Experts on Energy Efficiency

Moderated panel discussion:

What opportunities is digitalization bringing to the energy sector? Is it possible to measure the benefits?

Which threats exist and how can they be prevented? Are protocols for protection against hacking sufficient? If not, what steps need to be taken?

Which aspects of digitalization have seen the most significant progress in the recent past?

Which new entrants have found root in the energy system? What does this mean for the evolution of business models? Service provision?

Panelists:

Mr. Sun Xiansheng, Secretary General, International Energy Forum

Mr. Hongpeng Liu, Director, Energy Division, ESCAP

Ms. Yassamin Ansari, Senior Advisor, Mission 2020

Mr. Mads Uhlin Hansen, CEO, Kube Energy

Mr. Piyush Verma, Senior Energy Market Analyst, International Energy Research Centre, Ireland

Reactions from the audience, interactive discussion with panellists.

The discussion on more specific case examples will continue in the session “Digitalization in the energy sector” (Track IV)

Coffee break

Track I: Energy transition and decarbonization

Track II: Robust systems and infrastructure

Track III: Matchmaking and investor confidence

Track IV: Hot topics and deep dives

Modelling Pathways to Sustainable Energy

Introduction: UNECE Project “Pathways to Sustainable Energy”

Moderator: Stefanie Held, Section Chief, Sustainable Energy Division, UNECE

Lisa Tinschert, Project Manager, UNECE

Presentation: Modelling of Pathways to Sustainable Energy

Holger Rogner, Senior Research Scholar and Behnam Zakeri, Researcher, International Institute for Applied System Analysis (IIASA), *also on behalf of the Pacific-Northwest (PNNL)*

Panel Discussion: Policies, Technologies and Business Models to achieve Sustainable Energy in the UNECE Region

Stephan Singer, Senior Advisor Global Energy Policy, Climate Action Network

Nurzat Abdyrasulova, CEO, Unison Group, Kyrgyzstan

Mark Radka, Chief, Energy and Climate Branch, Economy Division, UN Environment

Interactive discussion with audience

Innovative Approaches to Financing Energy Efficiency in Buildings

Introduction: Mr. Ming Yang, GEF Secretariat. **GEF 7 Programming Directions and Approaches to Energy Efficiency in Buildings**

Keynote Presentation: Mr. Sergiy Savchuk, Head, State Agency on Energy Efficiency and Energy Saving of Ukraine

Keynote Presentation: Mr. Oleg Dzioubinski, Regional Adviser, UNECE. **Role of UNECE in Promoting Energy Efficiency in the Region**

Mr. Ming Yang, GEF Secretariat. **Role of GEF in Supporting Innovative Financing Approaches to Energy Efficiency in Buildings**

Ms. Serena Vento, Head of Partnerships and Commercial Relationships, Climate Bonds Initiative. **Importance of Climate Bonds in Financing Energy Efficiency**

Mr. John O’Brien, UNDP. **Experiences with Sustainable Financing Mechanisms in the Europe & CIS Region**

Mr. Ravshan Yunusov. **UNDP-GEF Green Mortgages Project in Uzbekistan**

Mr. Michael Devoe. **UNDP-IFC Innovative Financial Support Mechanism for energy efficiency and renewable energy projects in Ukraine**

Brief discussion and Q&A Session

Promoting renewable energy investments within an inter-sectoral and nexus perspective

Welcome / Introduction

Mr. Nazir Ramazanov, Chair of the UNECE Group of Experts on Renewable Energy (GERE)

Natural resource management within a nexus approach, Policies and Operational tools: Role of renewable energy technologies

Ms. Radia Sedaoui, Chief of Energy Section, UNESCWA Sustainable Development Policies Division

Assessing intersectoral links, trade-offs and benefits in managing water, energy and land resources in transboundary basins: the key role of renewable energy development

Ms. Annukka Lipponen, Environmental Affairs Officer, UNECE

Panel discussion. Moderator: Ms. Annukka Lipponen

Panellists: Mr. Kostiantyn Gura, Advisor to Head of State Agency on Energy Efficiency and Energy Saving, Ukraine

Ms. Nadejda Komendantova, Senior Research Scholar, IIASA

Ms. Tea Avazashvili, Chief Expert, Ministry of Economy and Sustainable Development of Georgia

Mr. Matti Lassila, Ambassador for Energy and Climate Change

Mr. Andriy Suprun, Director General, Vuhlesyntezgaz of Ukraine

Mr. Bekbergen Kerey, Deputy Director of the Department for International Cooperation and Economic Integration, Ministry of Energy of the Republic of Kazakhstan (TBC)

Ms. Radia Sedaoui, Chief of Energy Section, UNESCWA Sustainable Development Policies Division

Wrap-Up / Conclusion

Digitalization in the energy sector

Introductory remarks and moderation:

Mr. Scott Foster, Director, Sustainable Energy Division, UNECE

Moderated panel discussion

Panelists:

Mr. Maris Kunickis, Director Development, DTEK Grids

Mr. Helge Schramm, Sustainability and LCA Expert, Danfoss A/S

Mr. Mykhaylo Bubnov, General Director, Schneider Electric Ukraine

Mr. Piyush Verma, Senior Energy Market Analyst, International Energy Research Centre, Ireland

Ms. Lauren Downes, Researcher, Cloud Legal Project, Microsoft Cloud Computing Research Centre, Energy Law, Queen Mary, University of London (TBC)

Reactions from the audience, interactive discussion with panellists

Lunch break

14 November – Day 3 (afternoon)

14:00-15:30

The Role of Renewable Energy in Sustainable Energy Pathways

Welcome and Introduction
Nazir Ramazanov, Chair, UNECE Group of Experts on Renewable Energy (GERE)

The Role of Renewable Energy in Pathways to Sustainable Energy Scenarios
Holger Rogner, Senior Research Scholar and Behnam Zakeri, Researcher, International Institute for Applied System Analysis (IIASA), *also on behalf of the Pacific-Northwest (PNNL)*

Global Energy System based on 100% Renewable Energy – Power Sector
Hans-Josef Fell, President, Energy Watch Group

Renewable Energy Policies and Roadmap to 2050
Anuar Tassymov, Associate Programme Officer, International Renewable Energy Agency (IRENA)
Luis Janeiro, Programme Officer, Renewable Energy Roadmaps, IRENA

Interactive discussion with audience
Moderator: Nazir Ramazanov

Workshop on the role of utilities, big data and geo-spatial data in energy transition

Panel 1: Barriers and best practices
Opening remarks
Mr. Aleksandar Dukovski, Chair of the Group of Experts on Energy Efficiency

Moderator: Ms. Alisa Freyre, Atlas & Energy Observatory Projects Manager, Services Industriels de Genève (SIG)

Mr. Romanas Savickas, Senior Advisor for Energy, Copenhagen Centre on Energy Efficiency. **Encouraging Energy Efficiency by the help of Big Data Management and GIS tools**
Mr. Stefan Doerig, Director Markets, enersis suisse ag.

Digital platforms for territorial energy and climate planning – an innovative example from Switzerland
Mr. Rob Geldhof, Consultant on renewable energy and data, Over Morgen. **Enabling data-driven policymaking for carbon neutral heating and cooling: the case of The Hague**
Mr. Viktor Kurtiev, General Director, Metropoliya Group (TBC)
Ms. Stéphanie Favre, Founder & CEO, Geodata Concept.

Geological information system for managing geothermal projects in Geneva

Open Discussion

Investments into clean energy technology

Opening remarks
Ms. Nataliya Boyko, Deputy Minister of Energy and Coal Industry, Ukraine

Investment needs for truly clean technologies to meet Paris agreement objectives
Dr. Stephan Singer, Senior Advisor Global Energy Policies, Climate Action Network International

TBD
Ms. Marina Petrov, Deputy Head of Ukraine, EBRD

TBD
Ms. Olga Yeriomina, Associate Director, Senior Banker, EBRD

TBD
Mr. Marco Cometto OECD’s Nuclear Energy Agency

Interactive discussion, Q&A

Energizing the furthest behind – Renewables for Refugees and Migrants

Moderator:
Mr. Gianluca Sambucini, Secretary of the Group of Experts on Renewable Energy (GERE), UNECE

Introduction to the Energy Situation in Displacement Settings and how the Global Plan of Action is a multi-sector platform for systemic change
Mr. Thomas Fohgrub, Specialist Renewable Energy Solutions, UNITAR

Examples from the real world – Energy Projects for Refugees and Migrants (TBC)
Business opportunities for private companies to invest in energy projects
Mr. Mads Hansen, KUBE Energy (tbc)

Interactive discussion with the following **panelists:**
Ms. Radia Sedaoui, Chief of Energy Section, ESCWA
Mr. Thomas Fohgrub, UNITAR
Mr. Mads Hansen, KUBE Energy (TBC)

15:30-16:00

Coffee break

16:00-17:30

Creating an Early-Warning System to Track Progress on Sustainable Energy

Presentation: Conceptualizing an Early-Warning System in the context of the Pathways to Sustainable Energy project
Nils Kemen, Fraunhofer Institute for Environmental, Safety, and Energy Technology (UMSICHT)
Sascha Lehmann, Competence Center Energiepolitik und Energiemärkte, Fraunhofer Institut für System- und Innovationsforschung (ISI)

Group Work: Possible Indicators for the Early-Warning System in the Pathways Project
All participants

Presentation of the Group Work & Discussion
Moderator: Lisa Tinschert, UNECE

Workshop on the role of utilities, big data and geo-spatial data in energy transition (cont.)

Panel 2: Institutions, utilities and legal framework
Moderator: Mr. Fabian Kreuzer, Economic Affairs Officer, Energy Division, ESCAP

Ms. Alisa Freyre, Atlas & Energy Observatory Projects Manager, SIG. **How visualization helps to facilitate energy planning and coordinate implementation**
Mr. Izmail Petrov, Energy Management System Expert, National Cleaner Production Center, Russian Federation.

Smart City: Energy Efficiency
Mr. Matija Vajdic, Project Manager, Interreg CENTRAL EUROPE Joint Secretariat. **Tackling big and geo-spatial data challenges of Central Europe's energy transition**
Mr. Alexey Kalayda, Manager of Technical Department, DTEK Grids
Ms. Selin Yilmaz, Postdoctoral researcher, Energy efficiency group, University of Geneva. **Spatio-temporal characterization of electricity consumption: case of Switzerland**

Open Discussion and Summary of the Workshop
Ms. Alisa Freyre, Atlas & Energy Observatory Projects Manager, SIG
Mr. Aleksandar Dukovski, Chair of the Group of Experts on Energy Efficiency

The role of natural gas in achieving SDGs

Opening remarks / Moderator
Mr. Terence Thorn, Senior Advisor to the President, International Gas Union

Mr. Phil Grainger, Manager, Climate Change International Petroleum Industry Environmental Conservation Association (IPIECA). **Mapping the oil and gas industry to the Sustainable Development Goals: An Atlas**

Mr. John Roberts, Energy Security Specialist, Methinks Ltd. **Replacing coal with gas in Ukraine – political, economic and social consequences**

Mr. Rafael Huarte, Director, International Gas Union. **The role of gas in attaining the SDGs**

Mr. Wael A. Moati, Gas Industries Expert, Organization of Arab Petroleum Exporting Countries (OAPEC). **The contribution of gas to SDGs: Arab countries case**

Mr. Alan Lau, Managing Director, Anglo Euro Developers Ltd. **Small-scale LNG and SDGs**

Interactive discussion, Q&A

Renewable Energy Prospects in Central and South-East Europe

Welcome / Introduction
Moderator:
Mr. Gianluca Sambucini (UNECE)

Presentation: Cost Competitive Renewable Potential in Central and South East Europe
Mr. Luis Janeiro, Programme Officer RE Roadmaps, IRENA

Perspectives on Renewable Energy in Central and South East Europe
Ms. Tea Avazashvili, Chief Expert, Ministry of Economy and Sustainable Development of Georgia
Mr. Sergiy Savchuk, State Agency Energy Efficiency and Energy Savings, Ukraine (TBC)
Ms. Irina Lazzerini, Sustainable Energy Expert, Energy Community
Ms. Nadejda Komendantova, Senior Research Scholar, IIASA

Wrap-Up / Conclusion

15 November – Day 4 (morning)

	Track I: Energy transition and decarbonization	Track II: Robust systems and infrastructure	Track III: Matchmaking and investor confidence	Track IV: Hot topics and deep dives
09:00-10:30	<p>Energy for development in a carbon constrained world: Retooling Research and Education</p> <p>Welcome / Introduction Moderator: Prof. Elizabeth Wilson (Moderator, Dartmouth College)</p> <p>Panel discussion Panellists: Prof. Tobias Schmidt, Assistant Professor, ETH Zurich University Dr. Nathan Williams, Research Scientist, Carnegie Mellon University Mr. Andrew Allee, Ph.D. Candidate, Dartmouth College and Rocky Mountain Institute</p> <p>Interactive Discussion with Audience Moderator: Prof. Elizabeth Wilson (Moderator, Dartmouth College)</p>	<p>Energy Data Transparency as a Key Enabler for National, Regional and Global Energy Security Mechanism</p> <p>Opening Remarks Ms. Nataliya Boyko, Deputy Minister for European Integration, Ministry of Energy and Coal Industry of Ukraine Dr. Sun Xiansheng, Secretary General, IEF Mr. Scott Foster, Director Sustainable Energy Division, UNECE</p> <p>Introduction of JODI Partner Organisations, APEC, Eurostat, GECF, IEA, OPEC, OLADE, UNSD</p> <p>Introduction of International Organisations AFREC, OAPEC, Energy Community</p> <p>JODI History to Present: Importance of Energy Data Transparency Mr. Fuad AlZayer, Energy Data Transparency Coordinator JODI, IEF</p> <p>How JODI Data Are Collected and Processed: Key Features that Differentiate JODI from Other Data Sources Mr. Stève Gervais, Monthly Oil and Gas Statistics, Energy Data Center, IEA</p> <p>Benefits of Energy Data Transparency for National Administration, Expert Speaker, TBD, Ministry of Energy and Coal Mining of Ukraine</p>	<p>Workshop on overcoming barriers to financing of energy efficiency and renewable energy (in the framework of fifth sessions of GEEE and GERE)</p> <p>Panel 1: Policies and Measures to Overcome Barriers to Improve Energy Efficiency and Renewable Energy Introduction: Mr. Aleksandar Dukovski, Chair of the Group of Experts on Energy Efficiency Mr. Nazir Ramazanov, Chair of the Group of Experts on Renewable Energy Moderator: Mr. Kostiantyn Gura, State Agency on Energy Efficiency and Energy Savings of Ukraine Keynote presentation: Ms. Nadejda Khamrakulova, Consultant, UNECE. Progress in the Areas of Energy Efficiency and Renewable Energy in Selected Countries of South-Eastern Europe, Eastern Europe, Central Asia, and in Russian Federation Mr. Sergiy Maslichenko, Associate Director, EBRD. Improving energy efficiency and renewable energy in Ukraine: EBRD experience in policy dialogue and financing Mr. Mongi Bida, First Economic Affairs Officer, Sustainable Development Policies Division, ESCWA. Role of Super ESCOs in overcoming barriers to investments in energy efficiency and small scale renewable energy systems in the Arab region Mr. Hussein Mogaibel, Global Lead Energy Specialist, Islamic Development Bank (IsDB). Unlocking Energy Efficiency and Renewable Energy Finance for Higher Impact Mr. Matija Vajdic, Interreg CENTRAL EUROPE Joint Secretariat. Tackling Central Europe's energy efficiency challenges Ms. Serena Vento, Head of Partnerships and Commercial Relationships, Climate Bonds Initiative. The role of green standards and guidelines to help move capital towards energy efficiency solutions in the region Mr. Vahram Jalalyan, Manager, UNDP-GCF Project, Armenia. De-Risking and Scaling Up Energy Efficiency Retrofits in Armenia Ms. Svitlana Karpushyna, Deputy Head of Unit / Renewables and Energy Efficiency Expert, Energy Community Secretariat Energy Performance of Buildings Legal Framework in Georgia, Moldova and Ukraine Ms. Ima Khrenova-Shymkina, Deputy Project Director, GIZ Energy Efficiency Reform in Ukraine Mr. Paata Janelidze, UNDP. Experience with innovative financing mechanisms on Energy Efficiency in Buildings in Central Asia</p>	<p>Training on application of UNFC for sustainable resources management</p> <p>Welcome and introduction by UNECE Overview of the Project & Expected Outcomes from the Workshop Mr. Hari Tulsidas, UNECE Total resource management using UNFC: Nominal group discussions UNECE/International Consultant/All participants</p>
10:30-11:00	Coffee break			
11:00-12:30	<p>Exploring Pathways to Sustainable Energy in the Belarus-Moldova-Ukraine Region Presentation: Modelling of Sustainable Energy Scenarios for the Belarus-Moldova-Ukraine Region Holger Rogner, Senior Research Scholar and Behnam Zakeri, Researcher, International Institute for Applied System Analysis (IIASA), <i>also on behalf of the Pacific-Northwest (PNNL)</i></p> <p>Panel discussion: Perspectives from the Target Countries Oleksandr Diachuk, Leading Research Officer, Institute for Economics and Forecasting, National Academy of Sciences of Ukraine Leonid Danilevski, Deputy Director, Republic Unitary Enterprise "Institute of Housing NIPTIS named after S.Ataev", Belarus Sergiu Robu, Researcher, Institute of Power Engineering, Academy of Sciences of Moldova</p> <p>Interactive discussion with audience Moderator: Lisa Tinschert, UNECE</p>	<p>Energy Data Transparency as a Key Enabler for National, Regional and Global Energy Security Mechanism (cont.)</p> <p>Why Data Transparency is Essential for Energy Market Research? – Better Data – Better Decisions Dr. Adedapo Odulaja, Head Data Services Department, OPEC</p> <p>Role of official data in the age of sophisticated global trade/commerce monitoring? Mr. Jean Bastin, Product Manager, Kayrros</p> <p>JODI Participation Assessments and Key Features of JODI World Databases Mr. Yuichiro Torikata, Energy Analyst, IEF</p> <p>Roundtable discussion: How can National Administrations Maximise Benefits of Energy Data Transparency?</p> <p>Concluding Remarks</p>	<p>Workshop on overcoming barriers to financing of EE and RE (cont.)</p> <p>Panel 2: Sub-regional Perspectives for Improving Energy Efficiency and Renewable Energy Panel discussion on Perspectives for Improving Energy Efficiency and Renewable Energy in the Countries of South-Eastern Europe Moderators: Mr. Nazir Ramazanov and Mr. Aleksandar Dukovski Panellists: Mr. Artan Leskoviku, Albania; Ms. Branka Knezevic, Bosnia and Herzegovina; Mr. Dimitar Dukov, Bulgaria; Mr. Zlatko Pavicic, Croatia; Perspectives for Improving Energy Efficiency and Renewable Energy in the Countries of Eastern Europe, the Caucasus, and in Russian Federation Panellists: Mr. Vahram Jalalyan, Armenia; Mr. Andrei Miniankou, Belarus; Ms. Tea Avazashvili, Georgia; Mr. Mihail Lupascu, Republic of Moldova; Mr. Vitaly Bekker, Russian Federation; Mr. Valerii Kotsiuba, Ukraine Perspectives for Improving Energy Efficiency and Renewable Energy in the Central Asian Countries Panellists: Ms. Baltugan Tazhmakina, Kazakhstan; TBD, Kyrgyzstan; TBD, Tajikistan; Ms. Irina Atamuradova, Turkmenistan; Mr. Romen Zakhidov, Uzbekistan</p> <p>Conclusions of the Workshop</p>	<p>Training on application of UNFC for sustainable resources management (cont.)</p> <p>Baseline Review of Energy and Mineral Resource Statistics in targeted countries Mr. Boban Jolović, Bosnia and Herzegovina Mr. Georgiy Freiman, Kazakhstan Ms. Zinaida Shabolotova, Mr. Dmitriy Plaksin, Kyrgyzstan Mr. Radoslav Vukas, Mr. Ilija Radovic, Ms. Ana Dajovic, Serbia Mr. Azimjon Kholikov, Uzbekistan Comments and recommendations Mr. Robert Smith, Canada</p>
12:30-14:00	Summary of the Forum / Lunch break			

15 November – Day 4 (afternoon)

14:00-15:30	<p>Best practices in Coal Mine Methane capture and utilization. Application in Ukraine</p> <p>Welcome / Introduction by Mr. Raymond Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane</p> <p>Session I. Part I: Best Practices in Coal Mine Methane Capture and Utilization</p> <p>Mr. Raymond Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane Mr. Neil Butler, Technical Director, HEL-East Ltd</p> <p>Discussion</p> <p>Part II: Current state of the Ukrainian Mining Sector</p> <p>An overview of the coal mines operated in uncontested Ukraine territory</p> <p>Presentation by an Ukrainian Stakeholder</p> <p>Foreign Experience of Developing CMM Projects in Ukraine</p> <p>Mr. Andrey Garanin, Director of UMG for Kazakhstan and CA (TBC)</p> <p>Ms. Meredydd Evans, Senior Staff Scientist, Joint Global Change Research Institute, Pacific Northwest National Laboratory</p> <p>Mr. Zbigniew Lubosik, Deputy Director for Geoengineering and Industrial Safety, Polish Central Mining Institute (TBC)</p> <p>Discussion</p>	<p>Promoting industrial energy efficiency in Ukraine</p> <p>Stimulating energy efficiency of industrial enterprises. International experience, adaptation for Ukraine</p> <p>Ms. Tamara Burenko, Deputy Director - Head of Monitoring and Informatization Division, Department of Strategic Development, State Agency for Energy Efficiency and Energy Savings of Ukraine</p> <p>UNIDO project «Introduction of Energy Management System Standard in Ukrainian Industry»</p> <p>Financial Mechanisms for Financing Energy Efficiency in Industry: UNIDO UKRIIE Loan Guarantee Fund Concept</p> <p>Mr. Serhiy Porovsky, Energy Efficiency Financing and Policy Expert, Project Management Unit, UNIDO/GEF UKR IEE</p> <p>Business case 1: results of energy management system implementation in accordance with ISO 50001</p> <p>TBD (representative of PJSC "Svitlo Shakhtarya")</p> <p>Business case 2: TBD</p> <p>TBD (representative of the enterprise)</p> <p>UNIDO Project «Promoting the Adaptation and Adoption of Resource Efficient and Cleaner Production (RECP) through the Establishment and Operation of a Cleaner Production Centre (CPC) in Ukraine»</p> <p>Business case 3: experience of Vishnevsky casting and forging plant in implementing energy-efficient projects</p> <p>TBD (representative of the enterprise)</p> <p>Business case 4: experience of PJSC “Ukrainian Graffit” in implementation of energy-efficient projects</p> <p>TBD (representative of the enterprise)</p> <p>GIZ Project "Energy Efficiency in Companies". Potential for increasing energy efficiency of mechanical engineering and non-metal building materials enterprises, baking and dairy industry</p> <p>Mr. Ricardo Külheim, Project Manager, GIZ</p>	<p>Training on application of UNFC for sustainable resources management (cont.)</p> <p>UNFC based UN Resource Management System</p> <p>Mr. Hari Tulsidas, UNECE</p> <p>Alignment of UNFC to SDGs</p> <p>Mr. Julian Hilton, Aleff Group, UK</p> <p>Groundwater resources management – European data standards and possible harmonization to UNFC</p> <p>Mr. Jörg Reichling, BGR, Germany</p> <p>Discussions</p>
15:30-16:00	<p>Coffee break</p>		
16:00-17:30	<p>Best practices in Coal Mine Methane capture and utilization. Application in Ukraine (cont.)</p> <p>Session II</p> <p>An overview of mine regulations pertaining to the mine safety and explosion prevention</p> <p>Presentation by an Ukrainian Stakeholder</p> <p>Policies in place that promote CMM and VAM use</p> <p>Presentation by an Ukrainian Stakeholder</p> <p>Getting it Right: Policies that Provide a Solid Foundation for the Development of CMM/AMM and VAM Projects</p> <p>Ms. Meredydd Evans, Senior Staff Scientist, Joint Global Change Research Institute, Pacific Northwest National Laboratory</p> <p>The Economics of Successful Project Development</p> <p>Mr. Clark Talkington, Vice President, Advanced Resources International (ARI)</p> <p>Strategy for the future of the mining sector</p> <p>Presentation by an Ukrainian Stakeholder</p> <p>Global CMM and AMM Emissions: Implications of Mining Depth and Future Coal Production</p> <p>Mr. Nazar Kholod, Scientist, Joint Global Change Research Institute, Pacific Northwest National Laboratory</p> <p>Discussion</p> <p>Wrap-Up / Conclusion</p> <p>Mr. Ray Pilcher, Chair, UNECE Group of Experts on Coal Mine Methane</p>	<p>Training on application of UNFC for sustainable resources management (cont.)</p> <p>The SEEA framework and UNFC</p> <p>Mr. Robert Smith, Canada</p> <p>Case studies on application of UNFC: Application of UNFC for mineral resources and groundwater in Ukraine</p> <p>Dr. Georgii Rudko, Chairman, State Commission of Ukraine on Mineral Resources</p> <p>OECE-NEA/IAEA Red Book Reporting of Uranium Resources and alignment to UNFC</p> <p>Mr. Bob Vance, UMNP Consulting and formerly OECD NEA</p> <p>Undiscovered mineral resources – Challenges and opportunities in estimation</p> <p>Mr. Martin Fairclough, IAEA</p> <p>Phosphogypsum case study</p> <p>Mr. Julian Hilton, Aleff Group, UK</p> <p>Discussions</p> <p>Concluding remarks</p>	