



18th Session
Group of Experts on Cleaner Electricity Systems
ENERGY SECURITY, RESILIENCE AND NET ZERO
TANGIBLE ACTIONS TO DELIVER A SUSTAINABLE ENERGY FUTURE
19-20 SEPTEMBER 2022 | PALAIS DES NATIONS | GENEVA

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SESSION WILL START AT 10.00 CET



18th Session of the Group of Experts Cleaner Electricity Systems
Energy Security, Resilience and Net Zero
Tangible Actions to Deliver a Sustainable Energy Future

20 September 2022, Geneva





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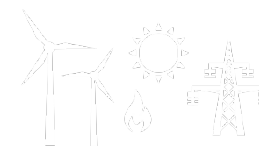




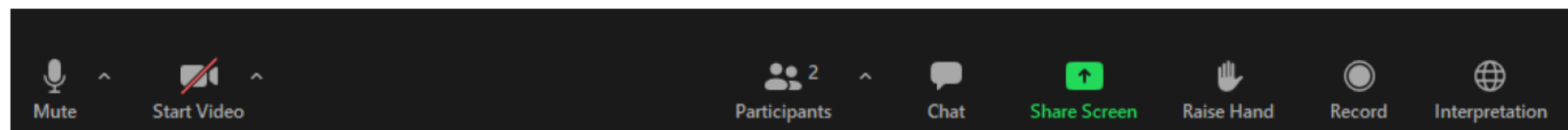
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To request the floor

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Financing cleaner energy technologies within a carbon neutral framework

Opening remarks:

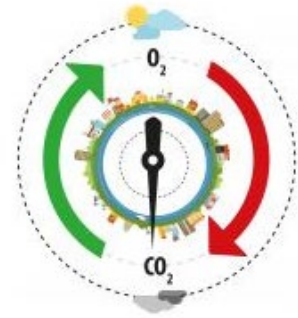
Mr. Dmitry Mariyasin, Deputy Executive Secretary, UNECE



Setting the scene:

Ms. Iva Brkic, Project Lead, UNECE

Addressing the gap in climate finance – a Kazakhstan Case Study:



Ms. Yuting Zhang, Analyst, UNECE & Imperial College London





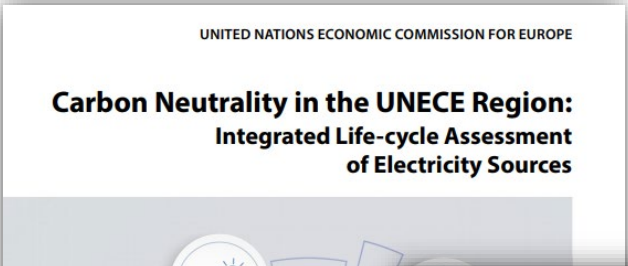
Carbon Neutrality Toolkit

Supporting policymakers to make informed decisions towards the implementation of the 2030 Agenda for Sustainable Development and the Paris Agreement.

  UNECE

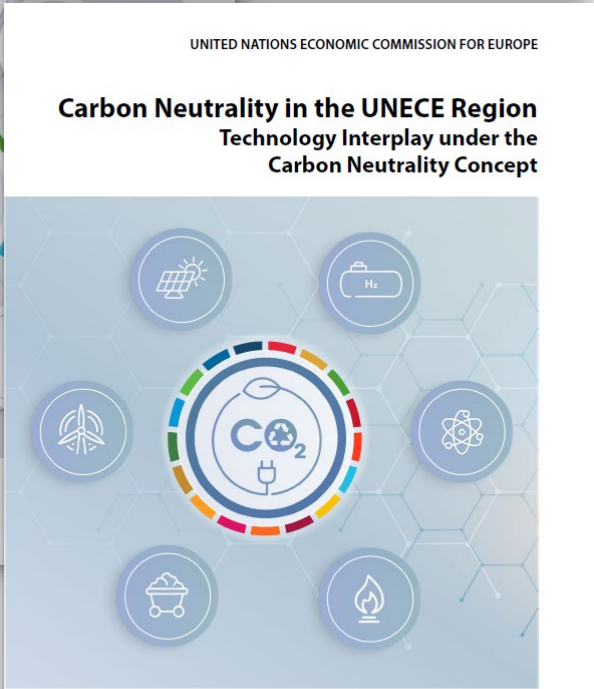


TECHNOLOGY BRIEF
CARBON CAPTURE, USE AND STORAGE (CCUS)



UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Carbon Neutrality in the UNECE Region:
Integrated Life-cycle Assessment
of Electricity Sources



UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Carbon Neutrality in the UNECE Region
Technology Interplay under the
Carbon Neutrality Concept



TECHNOLOGY BRIEF
HYDROGEN



TECHNOLOGY BRIEF
NUCLEAR POWER



Impacts of the carbon neutrality project



International

30+ Countries actively participating in carbon neutrality project implementation.



Development

15+ capacity building workshops delivered on low- and zero-technologies and carbon neutrality frameworks.



Policies

7+ United Nation's publications on carbon neutrality including technology and policy briefs.



Action

Launch of activities on rebuilding the energy system in Ukraine, and carbon neutrality attainment in Central Asia.



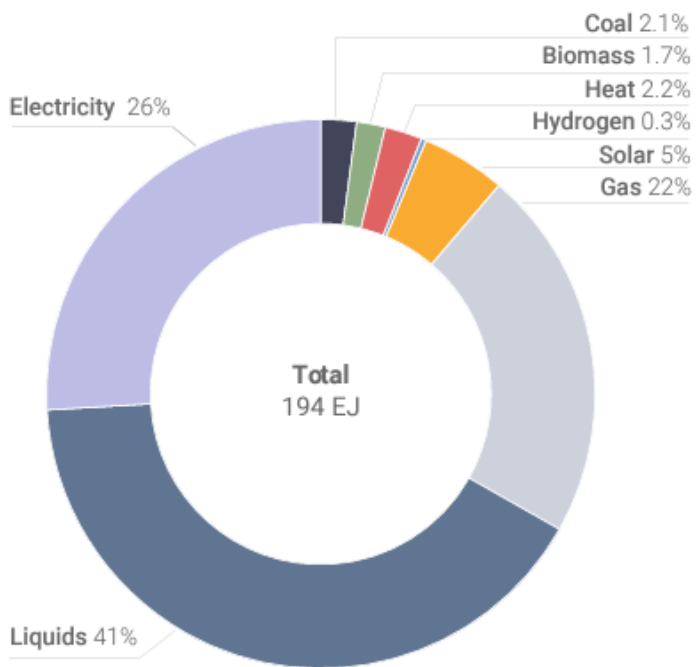
Sharing

Millions of views of the ECE Carbon Neutrality Toolkit at international events, and online.

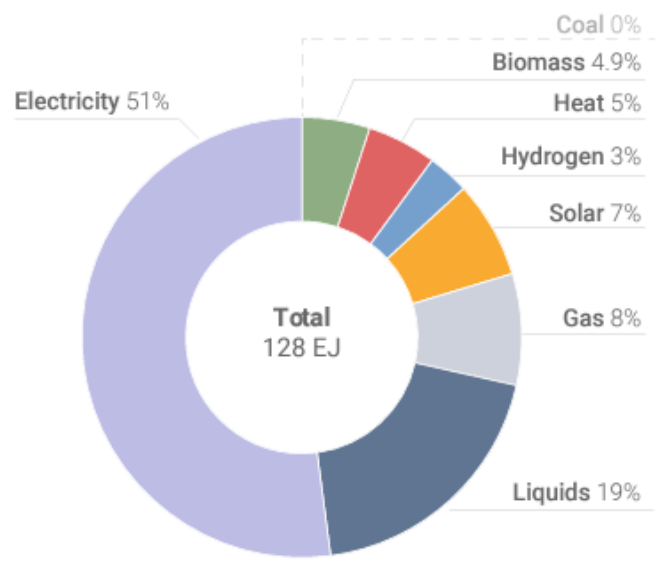
Final Energy Supply in the UNECE Region



Final Energy Supply for 2050 [EJ] Reference Scenario vs Carbon Neutrality Scenario



Reference Scenario
Final Energy Supply 2050



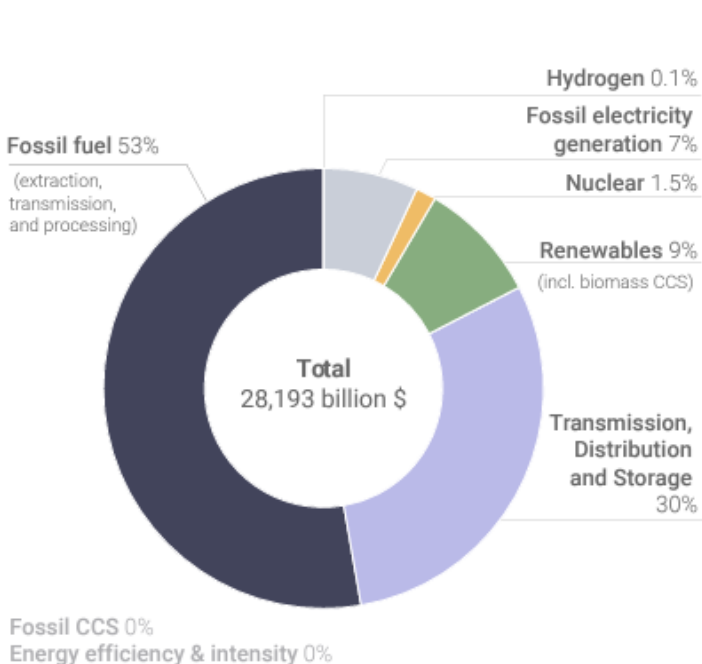
Carbon Neutrality Scenario
Final Energy Supply 2050



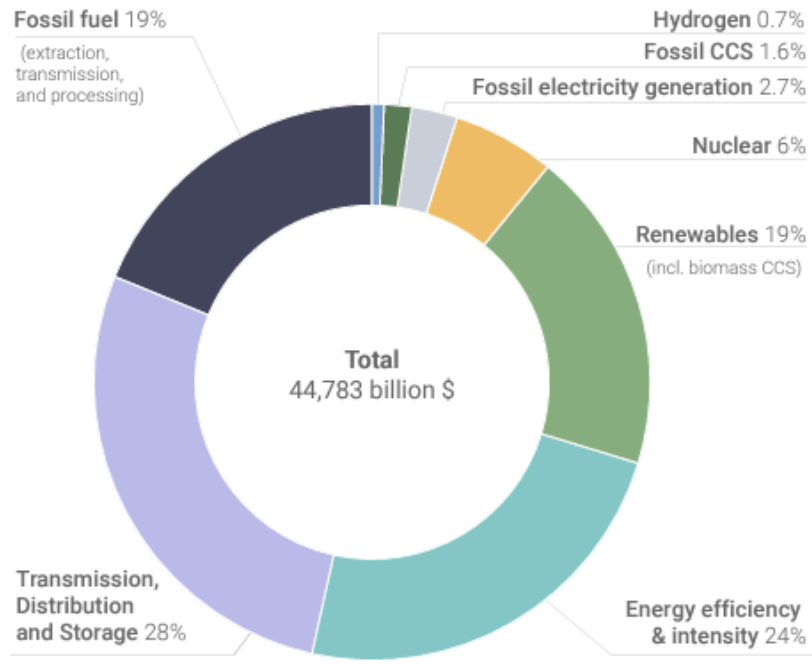
Investment needs in the UNECE Region



Total Investment Needs for UNECE Energy Systems Reference and Carbon Neutrality Scenarios



Reference Scenario
Total Investment Needs 2020



Carbon Neutrality Scenario
Total Investment Needs 2050



Financing cleaner energy technologies within a carbon neutral framework

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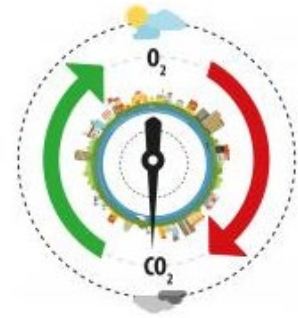
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Financing cleaner energy technologies within a carbon neutral framework

Moderators:

Ms. Dr. Carolina Coll, Head of Reservoir Development, CCS and Energy Storage CCG and a Member of the UNECE Expert Group on Resource Management (EGRM)

Mr. Sigurd Heiberg, Chairperson, Petronavit and a Member of the UNECE Expert Group on Resource Management (EGRM)

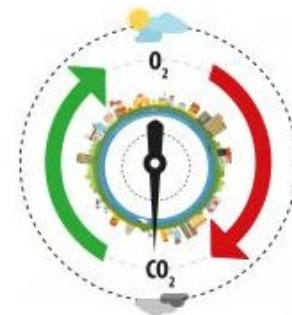
Panelists:

Mr. Xing Zhang, Senior Climate Policy Specialist, and Ms Wei Huang, Asian Infrastructure Investment Bank (AIIB)

Mr. Kenzhekhan Abuov, Project Officer, Mr. Alibek Abdrakhmanov, Senior Investment Specialist, and Mr. Mirzo Iskandar Gulamov, Head of Portfolio and Programming, Asian Development Bank (ADB)

Mr. Cristian Carraretto, Head of Sustainable Business & Infrastructure, Energy Transition Climate Strategy and Delivery, European Bank of Reconstruction and Development (EBRD)

Mr. Urvaksh D. Patel, Regional Manager Europe and Central Asia, Green Climate Fund



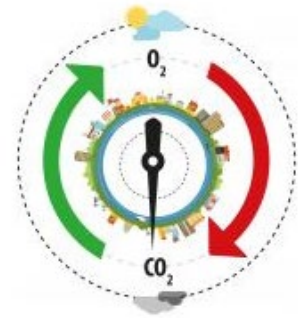
Financing cleaner energy technologies within a carbon neutral framework

Next Steps

Mr. Dmitry Mariyasin, Deputy Executive Secretary, UNECE

Mr. Vladimir Budinsky, Vice-Chair of the Group of Experts on Cleaner Electricity Systems

Ms. Charlotte Griffiths, Officer-in-Charge Secretary of the Expert Group on Resource Management



UN Climate Change High-Level Champions

Towards COP27: UNECE Regional Forum on Climate Initiatives to Finance Climate Action and the SDGs - Regional cooperation on enhancing sustainable management and financing for the critical raw materials required for low-carbon transitions

Attaining carbon neutrality in the UNECE region – Next Steps



2nd
Almaty
Energy Forum

Innovating and Modernizing Energy Infrastructure in Central Asia

Date: 14 – 16 November 2022





Lunch Break
12h00 – 15h00 CET



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