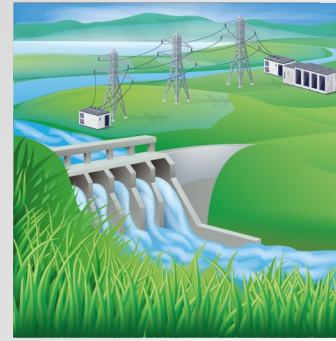


**PLEASE STANDBY
SESSION WILL START AT 10:00 CEST**

31st Session of the Committee on Sustainable Energy

21- 23 September 2022, Geneva



SECURITY



RESILIENCE



NET ZERO

SUSTAINABLE ENERGY WEEK 2022

ENERGY SECURITY, RESILIENCE AND NET ZERO

TANGIBLE ACTIONS TO DELIVER A SUSTAINABLE ENERGY FUTURE

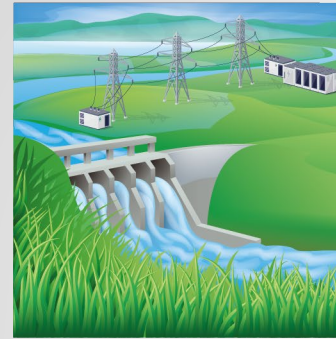


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Welcome to the 31st Session

31st Session of the Committee on Sustainable Energy

21- 23 September 2022, Geneva



SUSTAINABLE ENERGY WEEK 2022

ENERGY SECURITY, RESILIENCE AND NET ZERO

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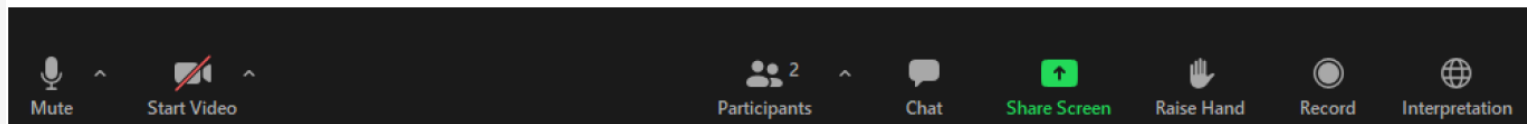
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Housekeeping



- All parliamentary and room documents posted to:
<https://unece.org/info/Sustainable-Energy/Committee-on-Sustainable-Energy/events/368601>
- Presentations will be posted subject to approval by speakers
- Overview UNECE Sustainable Energy Week 19-23 September 2022 (CSE-31/2022/INF.3)
- Annotated provisional agenda for the thirty-first session (ECE/ENERGY/142)

Use the navigation bar



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You can mute or unmute your microphone and video

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You can see the list of participants

↓
Text chat

↓
To request the floor

↓
To choose your preferred interpretation language

Side Event: Reception



Wednesday, 21 September

17:30 – 19:00 CEST

Reception hosted by *Synfuels Americas* in honour of the Thirty-first session of the Committee on Sustainable Energy

Location: E Building, Hall 40 in front of the mezzanine, 2nd floor, Palais des Nations



EU2022.CZ



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[>>>> tiny.cc/EfE30Years](https://tiny.cc/EfE30Years)

High Level Briefing on the Environment for Europe Conference: 30 Years of Achievements

23 SEPT 2022 | 12:30-14:00 CEST | ROOM XVII, PALAIS DES NATIONS & ONLINE

1. Opening and Adoption of the Agenda



UNECE



Mr. Jürgen Keinhorst

Chair, Committee on Sustainable Energy

- Opening remarks
- Adoption of annotated provisional agenda for the 31st session ECE/ENERGY/142
 - Proposed reordering of agenda item 3 due to scheduling conflicts

CSE-31 Overview



	21 September	22 September	23 September
10:00 - 12:00	1. Opening and Adoption of the Agenda 2. High-Level Segment: Building a Resilient Energy System in the UNECE Region: More Secure, Affordable and Net-Zero	5. Modernizing Resource Management 6. Enabling a Hydrogen Ecosystem	9. Technical Assistance, Regional Outreach, and Collaboration Activities 10. Preparing for the 70th session of the Economic Commission for Europe 11. Looking Ahead: Future work of the CSE
<i>Lunch Break</i>			
15:00 - 17:00	High-Level Segment: Building a Resilient Energy System in the UNECE Region: More Secure, Affordable and Net-Zero (<i>continued</i>) 4. Achieving High Performance in Buildings	7. Addressing Methane Management 8. Understanding subsidies and carbon pricing in the ECE region	3. Delivering on Sustainable Energy: Subprogramme Accomplishments 12. Election of Officers 13. Any Other Business 14. Adoption of the Report and Close of the Meeting

1. Opening and Adoption of the Agenda

Welcome Remarks



Ms. Olga Algayerova

Executive Secretary

United Nations Economic Commission for Europe (UNECE)

2. High-Level Segment: Building a Resilient Energy System in the UNECE Region



Documents

- **CSE-31/2022/INF.2** - [Building Resilient Energy Systems: Technical Considerations and Actions for Achieving Greater Energy Security, Affordability and Net-zero in the ECE Region](#)

CSE-31/2022/INF.14- [Proposed UNECE Platform for Resilient Energy Systems – Draft Overview](#)

CSE-31/2022/INF.15- [Draft Definition of Resilient Energy Systems](#)

2. High-Level Segment: Building a Resilient Energy System in the UNECE Region



Introduction

Mr. Jürgen Keinhorst

Chair, Committee on Sustainable Energy

2. High-Level Segment: Building a Resilient Energy System in the UNECE Region



Update from the UN Global Crisis Response Group: focus on Energy

Mr. Carlos Razo

Chief, Office of the Director, Division on International Trade and Commodities, UNCTAD

3. High-Level Segment: Building a Resilient Energy System in the UNECE Region



Options from the Experts

Cross expert group preliminary technical recommendations

Mr. Jim Robb

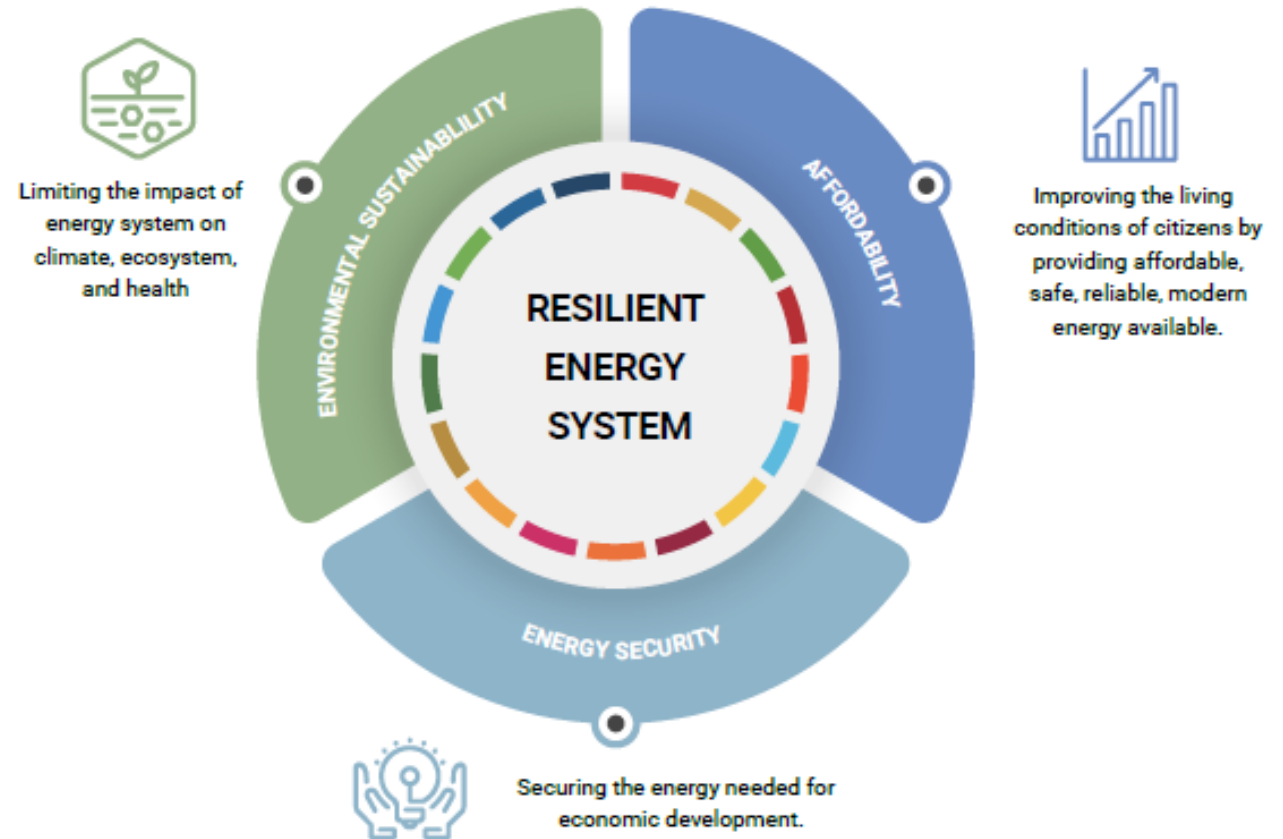
NERC & Chair Group of Experts on Cleaner Electricity Systems

Building Resilient Energy Systems

Technical Considerations and Actions for Achieving Energy Security, Affordability, and Sustainability Net-Zero for Europe, North American and Central Asia

What is a resilient energy system?

- A **resilient energy system** ensures that energy makes an optimal contribution to a country's **social, economic, and environmental** development.
- **Energy security** strengthens energy independence through interconnectivity and trade.
- **Affordability** reduces costs of electricity, heating, cooling, and transport.
- **Environmental sustainability** lowers the carbon footprint and enhances efficiency across the energy supply chain.



What are the vulnerabilities of the existing energy system?

CHALLENGES



COVID-19

Economic recovery at the expense of energy transition is a concerning risk



GEOPOLITICAL INSTABILITY

- Disruption of supply
- Impeding energy flows
- Threatening economic growth
- Energy prices increase short and medium-term



SUPPLY CHAIN DISRUPTION FACTORS

- Exponential increase in demand for critical raw materials
- Higher cost for shipping and logistics
- Limited technology standardisation
- Trade restrictions



CLIMATE CHANGE CRISIS

A threat multiplier to all of the above increase in intensity of extreme events will pose a threat to international peace and security

IMPACTS



DISRUPTED ENERGY AVAILABILITY

Limited access to resources and disruptions in demand create uncertainties for long term energy investments and security



INADEQUATE ENERGY ACCESSIBILITY

Region-wide energy price increase inhibit economic growth and exacerbate energy poverty across the region



QUESTIONABLE ENERGY SUSTAINABILITY

Maintaining national energy security may resort to the use of power generation by traditional unabated coal-fired plants, increasing CO₂ emissions and delaying net-zero target



10 recommendations from the UNECE Expert Community to design and implement resilient energy systems

1. Implement energy efficiency solutions immediately
2. Digitalize the energy systems
3. Decarbonize energy system and accelerate fuel switching
4. Diversify the energy supply
5. Build a workforce to deliver on just energy transition
6. Implement a resource management framework
7. Integrate circular carbon economy concept into decision-making
8. Recognize that there is not a one-size-fits-all approach
9. Acknowledge that all low- and zero-carbon technologies play a role
10. Address behavioral barriers



What are the immediate actions for policymakers?



RAISE AWARENESS

- Establish common language
- Familiarise with all benefits and risks
- Create environment that boost confidence
- Boost stakeholders' competence



DEVELOP REGULATORY FRAMEWORK

- Use a nexus approach to managing the natural resource base
- Design and implement consistent policies and market frameworks
- Review interconnection infrastructure across regions
- Separate interconnection to isolate system disturbances
- Integrate energy system to promote efficiencies and enhance resource diversity
- Incorporate practical ways to ensure affordability



SECURE FINANCING

- Cooperate with global financial community
- Support development projects with risk-sharing structure
- Establish science-based climate and sustainable finance classification
- Provide financing to all other low-carbon technologies
- Evaluate carbon pricing and energy subsidies
- Encourage decision-makers and end-users to make investment decisions



UNECE Platform on Resilient Energy Systems

- **Who:** UNECE Committee on Sustainable Energy & 6 subsidiary bodies (GEEE, GERE, EGCEs, CMM, GEG, EGRM)
- **What:** multistakeholder policy dialogue and cooperation to ensure resiliency of energy systems and access to affordable, reliable, sustainable and modern energy for all
- **How:**
 - Facilitate series of multistakeholder dialogues
 - Increase awareness on resiliency-related analyses
 - Support an expanded Pathways to Sustainable Energy initiative
 - Expand efforts to reduce methane emissions, including of the Global Methane Pledge
 - Explore and increase understanding on energy-related climate financing
 - Support a dialogue to substantially increase the uptake of renewable energy
 - Increase efforts to deploy cross-sectoral action on energy efficiency
 - Increase cross-agency engagement on similar or complementary objectives.



Limiting the impact of energy system on climate, ecosystem, and health



Improving the living conditions of citizens by providing affordable, safe, reliable, modern energy available.



Securing the energy needed for economic development.

For more information, see:
CSE-31/2022/INF.14- [Proposed UNECE Platform for Resilient Energy Systems – Draft Overview](#)



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3. High-Level Segment: Building a Resilient Energy System in the UNECE Region



Mr. Jürgen Keinhorst

Chair, Committee on Sustainable Energy

Interventions by member States: Priorities, Needs and Actions

All member States invited to speak for 3-5 minutes on building a more secure, affordable & sustainable energy system in the UNECE region, including what they see as

- 1) the biggest priorities related to building resilient energy systems
- 2) the greatest needs and/or opportunities
- 3) the most important actions they believe the Committee should focus on

LUNCH BREAK

Session will reconvene at
15:00 CEST/Geneva time

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