UNECE work in support of transition to sustainable energy

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Workshop “Strengthening national capacity in applying sustainable energy policies and practices based on the recommendations of the Environmental Performance Reviews”

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Selected Areas of Work

- Energy Efficiency
- Renewable Energy
- Sustainable Resource Management
- Transition to Sustainable Energy
Building Back Better with High Performance Buildings

High Performance Buildings Deliver Quality of Life: Comfort, Health, Affordability, Efficiency, Sustainability

- Envelope
  - Materials
  - Design
  - Construction

- Systems
  - HVAC
  - Plug-ins

- Energy
  - On-site
  - Off-site

- Services
  - Food
  - Water
  - Waste

- ICT
  - Smart Connect & Monitor

- Mobility
  - City design
  - Low-C mobility
Energy Efficiency

- **Energy Efficiency in Buildings**
  - Enhancing national capacities to develop and implement energy efficiency standards for buildings in the UNECE region (regional Gap Analysis and national studies for Armenia, Kyrgyzstan, and Republic of Moldova)

- **Guidelines and Best Practices for MSMEs in delivering energy efficient products and in providing renewable energy equipment**
  - Regional report and customized Guidelines for Georgia and North Macedonia (done) and for Albania, Armenia, Kyrgyzstan, and Republic of Moldova (planned)
• Improving the energy efficiency of the global building supply chain industry and its products to deliver high performance buildings (planned)
  • Beneficiary countries: Armenia, Georgia, Kyrgyzstan, Republic of Moldova, Tajikistan, Ukraine, and Uzbekistan

• Industrial Energy Efficiency
  • Potential for Improving Industrial Energy Efficiency in Kazakhstan and Ukraine (planned)

• Green financing facility to improve air quality and combat climate change in North Macedonia (planned)
Getting Renewables Right
Decarbonization; Green Jobs; Energy Access
Renewable Energy

- Renewable energy – key actors and status of investments in selected ECE member States
  - Beneficiary countries: Albania, Georgia, Kazakhstan, and Serbia
- Improving capacity of the Government of Ukraine to develop infrastructure for production and use of hydrogen to support green post-COVID-19 recovery
  - Draft Roadmap for production and use of hydrogen (includes transport and SEA scoping report)
- Attaining Carbon Neutrality: The Role of Hydrogen
Resources for Sustainable Development

Rewriting the resource management narrative

UN Resource Management System (UNRMS) focuses on progression of resource projects, social acceptability and investment readiness.
• Guidelines and best practices for MSMEs to assure resiliency and progress towards a circular economy in sustainable resource management and critical raw material supply chain solutions
  • Regional report and customized Guidelines for Tajikistan and Ukraine (done) and Bosnia and Herzegovina, Kazakhstan, Kyrgyzstan, and Serbia (planned)

• Integrated energy and water resource management in support of sustainable development in South-East Europe and Central Asia
  • Beneficiary countries: Bosnia and Herzegovina, Kazakhstan, Kyrgyzstan, Serbia, Tajikistan and Ukraine

• Women entrepreneurship in natural resource management: Challenges and opportunities for the MSME sector in the post-COVID-19 socio-economic recovery
  • Case studies: Azerbaijan, Belarus, Georgia, Kazakhstan, and Kyrgyzstan
Transition to Sustainable Energy

• Draft National Sustainable Energy Action Plans (NSEAPs)
  • Beneficiary countries: Azerbaijan, Belarus, Georgia, Kazakhstan, and Kyrgyzstan

• Energy transition and post-COVID-19 socio-economic recovery: role of women and impact on them
  • Case studies: Albania, Belarus, Ukraine, United Kingdom, and Uzbekistan

• Women entrepreneurship in natural resource management: Challenges and opportunities for the MSME sector in the post-COVID-19 socio-economic recovery
  • Case studies: Azerbaijan, Belarus, Georgia, Kazakhstan, and Kyrgyzstan
Information available at:
https://unece.org/sustainable-energy/regional-advisory-services
Thank you!

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