

Workshop: Pathways to Sustainable Energy: Policy and Technology Options to Achieve Sustainable Energy

Organizers: UNECE

Target group: Open to all participants; UNECE CSE Bureau; Pathways Project community

One can imagine an unlimited amount of plausible scenarios on how a sustainable energy future might play out. Two important uncertainties shaping the future is the degree of international cooperation in achieving sustainable development, and the degree of innovation in technology and business models. Within the UNECE-led Pathways to Sustainable Energy Project, these two meta drivers form the basis for a set of distinctive scenarios towards a sustainable energy system in 2050. The technologies and policies that will play key roles in achieving the set goals will be used to formulate adaptive technology and policy pathways that can react to changing circumstances, new insights as well as evolving objectives.

Within this workshop, participants are invited to dive deeper in the conceptualisation of the concept of “sustainable energy” which means many different things to many stakeholders. Presentations by countries on how they define sustainable energy and how global objectives surrounding Agenda 2030 and the Paris Agreement are integrated in their national policymaking will fuel the discussion on the formulation of adaptive policy pathways to achieve sustainable energy in 2050. Participants will further share their views on the existence and development of adaptive and holistic policy and technology options to achieve the set targets, and how early-warning systems can help to track implementation.

Guiding questions:

- *What is energy for sustainable development? How do countries interpret sustainable energy?*
- *Agenda 2030 and the Paris Agreement: How do countries implement global targets?*
- *Looking at the possible pathways ahead: What are policy options to achieve the set target? How can these be cross-cutting to align different objectives and link sectors?*
- *How can sustainable energy policy options be adaptive to deal with changing environments and objectives, new insights and experiences?*
- *How can regional cooperation help achieving sustainable energy?*
- *What is the role of national and global early-warning systems? Has this been tested already?*

| Time | Content | Resource person |
|-------------|---|---|
| 11.00-11.05 | Welcome / Introduction | Moderator: UNECE |
| 11.05-11.15 | Framing the Target: Sustainable Energy in 2050 - Energy for Sustainable Development: Energy-related SDGs, global climate targets and NDCs - Importance and concepts of energy security - The ultimate objective: Quality of Life | Stefanie Held / Lisa Tinschert, UNECE |
| 11.15-12.00 | Country Presentations - Definition of Sustainable Energy in the future: The pathways ahead - Policies and technologies to achieve sustainable energy - Contradictory targets? - Linking climate, energy and quality of life objectives in policy making | Mr. Mikhail Malashanka, Vice Chairman, State Committee on Standardization, Director Energy Efficiency Department, Belarus Mr. Aleksandar Dukosvki, Director, Energy Agency, FYR of Macedonia Mr. Artan Leskoviku, Director of Energy, National Agency of Natural Resources, Albania |
| 12.00-12.25 | Discussion: National Perspective on Sustainable Energy - How do countries implement global targets? - How can countries develop flexible / adaptive, cross-cutting and holistic policy frameworks? - What national energy early-warning systems exist? How could these be applied globally? | All Participants |
| 12.25-12.30 | Wrap-Up / Conclusion | Moderator |