



11th INTERNATIONAL FORUM ON ENERGY FOR SUSTAINABLE DEVELOPMENT

VIRTUAL | SEPTEMBER - NOVEMBER 2021

Workshop on Pathways to Effectively Decarbonizing Industry

in the framework of the eighth session of the Group of Experts on Energy Efficiency

Geneva and online, 20 September 2021, from 4.30 to 6.00 p.m. (16:30 to 18:00)

Concept note

Background

The work of the Group of Experts on Energy Efficiency on the industrial energy efficiency component is carried out by the Task Force on Industrial Energy Efficiency. The Task Force works on implementation of the *Industrial Energy Efficiency Action Plan* ([ECE/ENERGY/GE.6/2020/3](#)).

In this regard, the Task Force conducted research on possible economic measures to reduce greenhouse gas footprint and presented its outcomes in the document entitled “*A pathway to reducing greenhouse gas footprint in manufacturing: determinants for an economic assessment of industrial decarbonization measures*” ([ECE/ENERGY/GE.6/2021/3](#)) and its accompanying document “*Recommendations for an economic assessment of industrial decarbonization options*” (GEEE-8/2021/INF.2), which are proposed for consideration by the Group of Experts.

Rationale

Countries representing 70 per cent of the world economy have committed to achieve net-zero emissions by the middle of the century. And, amid the world increasingly focusing on ambitious economically strategic climate goals, it is not only governments but also companies that find themselves under an unprecedented societal and economical pressure to decarbonize.

This is also, to an extent, due to business opportunities that come with altering business strategies in the direction of climate consciousness. To name a few, by reducing emissions companies not only save costs on energy and resources, but are more resilient to future price or supply fluctuations; moreover, companies benefit from a positive image effect on the demand side and identification of employees with the revised corporate identity, which lead to economic advantages.

The Task Force argues that achieving a reduction of the greenhouse gas footprint towards net-zero is feasible with the help of a wide variety of measures. Among the important questions that need to be answered to advance towards this goal, are whether the industries and societies are ready for such a future, and what does it take a company to number in the first movers. The participants are invited to elaborate on these.

Tentative Timeline

Time	Duration	Content	Speakers
4.30–4.40 p.m.	10 minutes	Opening and Setting the Scene <i>Striving for net zero, but why?</i>	Mr Stefan M. Buettner Chair of the Task Force on Industrial Energy Efficiency
4.40–4.50 p.m.	10 minutes	Decarbonisation pathways: <i>The company perspective</i>	Ms Kerstin Kohler Head of Environmental Management SICK AG
4.50–5.00 p.m.	10 minutes		Francisco ALANIS Senior Consultant Advisian
5.00–5.30 p.m.	30 minutes	Panel discussion <i>Are we ready? Pathways to net-zero manufacturing</i> Moderator: Mr. Hannes Mac Nulty Senior Industry Advisor Green Industry Platform	Ms Kerstin Kohler Head of Environmental Management SICK AG Francisco Alanis Senior Consultant Advisian Mr Michael Heinze Board Member INTENSE AG / CS4I (Facilitator: Digitalisation) Dr Branko Dunjic Director Cleaner Production Centre of Serbia (Facilitator: Local Implementation)
5.30–5.40 p.m.	10 minutes	<i>Decarbonising carbon intensive industries</i>	Ms Iva Brkic Carbon Neutrality Project
5.40–5.55 p.m.	15 minutes	Questions and Answers session	
5.55–6.00 p.m.	5 minutes	Wrap-up and Conclusions	Mr Stefan M. Buettner Chair of the Task Force on Industrial Energy Efficiency