

UNFCCC COP27 – Sharm El-Sheikh, Egypt
6 to 18 November 2022
Collaborative UN system **side events**

Title: max. 100 characters including spaces	“Interplay of low carbon technologies for resilient net zero energy systems”
Confirmed date/time	November 10/11 – 18.30-20.00 Room: Khufu
<p data-bbox="183 593 534 660">Short description: max. 300 characters including spaces</p> <p data-bbox="183 840 534 907">Long description: max. 1500 characters, including spaces</p>	<p data-bbox="662 593 1412 795">Decarbonizing energy systems to net zero will require all low-carbon technologies for electricity generation supported by the production of carbon-free fuels such as hydrogen. The event will discuss the benefits and challenges of deploying a resilient low-carbon technology interplay, including financing mechanisms.</p> <p data-bbox="662 840 1412 1489">There is increasing consensus that all possible low-carbon technologies will be needed to decarbonize energy systems, whether in the electricity sector, or the hard-to-abate sectors that cannot be easily decarbonized and where carbon-free fuels such as hydrogen can substitute fossil fuels. The event will bring together the leaders of several UN organizations (IAEA, UNECE, UNIDO) that are supporting the transition to carbon-neutrality within their respective mandates, intending to highlight the benefits of deploying low-carbon electricity generation technologies interplay based on renewables, Carbon Capture Utilization Storage (CCUS) and nuclear power, while also working on the decarbonization of hard-to-abate industries through CCUS and the use of cost-effective zero-carbon fuels such as hydrogen. The event will also focus on the challenges to deploying such technologies, including the large green premium to be paid by companies and access to financing mechanisms, for which there also needs to be a level playing field.</p> <p data-bbox="662 1523 1412 1825">Following a high-level opening, the event will comprise two technical panels, one on the technical benefits and challenges of technologies that will address sustainability criteria such as full life cycle assessment indicators. The second panel will address the difficulties in accelerating the deployment of those technologies from the point of view of access to financing. The event will end with a high-level wrap-up of the discussions.</p>
Lead organization	International Atomic Energy Agency (IAEA)
Supporting organization(s)	United Nations Economic Commission for Europe (UNECE)

	United Nations Industrial Development Organization (UNIDO)
Speakers:	<p>High-level opening:</p> <ul style="list-style-type: none"> • Mr. Rafael Mariano Grossi, Director General, IAEA. • Ms. Olga Algayerova, Executive Secretary, UNECE. • Mr. Gerd Müller, Director General, UNIDO. <p>Technical panel:</p> <ul style="list-style-type: none"> • Mr. Albert M. Muchanga, Commissioner, Economic Development, Trade, Tourism Industry, Minerals (ETTİM), African Union Commission. • Mr. Professor Radermacher, UNIDO • Sama Bilbao y Leon, director General, WNA • Mr. Peter Levi, Industry Lead, Energy Technology Policy Division at International Energy Agency (IEA) • Europäische Investitionsbank (EIB) speaker (TBC) <p>Moderator:</p> <ul style="list-style-type: none"> • Tareq Emtairah, UNIDO – confirmed
Duration and run of show	<p>Total duration: 80 minutes</p> <p>Run of show:</p> <ul style="list-style-type: none"> • Opening remarks and presentation of speakers by Moderator (5') • High Level Panel – (20') • Q&A with audience (10') • Technical Roundtable - Discussion on technology interplay that will address opportunities and barriers, including financing constraints for low carbon technologies (30') • Q&A with audience (10') • Closing remarks by moderator (5')