

## **COP27 Event on**

# **Management of e-waste as a source of urban mining within the concept of circular economy (refurbish, reuse and recycle)**

**18:00 – 18:45 EET, 17 November 2022**

**Sharm El-Sheikh International Convention Center (SHICC), Blue Zone**

### **DESCRIPTION**

With the increasing size of e- waste worldwide, many countries are still facing major challenge in the sound management of e-waste, especially developing countries. On the other hand, several best practices have been developed and tested on the national, regional and international levels; international standards in this important field have evolved considerably. The recent approaches have stressed not only on the environmentally safe management of e-waste, but most importantly on using e- waste as a source for urban mining in order to counter natural material depletion which affects the environment; while developing the e-waste management industry which is quite promising economically and in terms of sustainability.

The panel is taking into consideration the increasing size of e-waste resulting from the current and expected acceleration of usage of electronic equipment and digital transformation. Hence, the sustainable management of e-waste becomes an integral part of the digital transformation journey which should be taken into consideration at an early stage especially in emerging economies, as well as in manufacturing process in light of the concept of circularity. The session will shed some light on the hazardous material and their impact on the environment and health of the citizenry. Extending the life cycle of equipment is not only beneficial for energy saving, but also for environmental sustainability, fighting pollution and generating job opportunities.

### **OBJECTIVES**

- **Objective 1:** Explaining the problematic and opportunities
- **Objective 2:** Shedding light on the safe management of e-waste through different levels of experiences on the international and regional levels, with a special focus on extraction of secondary materials and job opportunities.
- **Objective 3:** Showcasing a number of practices including: formalization of the informal sector; developing regulations; capacity building in recycling and refurbishing; and stimulating entrepreneurship in this field through incubation and accreditation schemes. Some key industries such as EVS will be dependent on secondary lithium production which will be extracted from discarded/ old batteries. This panel will shed the light on the importance of the future of “The e-waste Industry” especially in Africa.
- **Objective 4:** Clarifying the relation between DT and e waste generation and management.

## PROGRAMME

18:00 – 18:45	<p><b>Moderator</b></p> <ul style="list-style-type: none"><li>▪ <b>Dr. Hossam Allam</b>, Regional Programme Manager of the Sustainable Growth Programme at the Centre for Environment and Development for the Arab Region and Europe (CEDARE)</li></ul> <p><b>Speakers</b></p> <ul style="list-style-type: none"><li>▪ <b>Eng. Khaled el Attar</b>, Deputy Minister for Administrative Development, Digital Transformation and Automation &amp; Head of Information Infrastructure sector at the Ministry of Communications and Information Technology (MCIT)</li><li>▪ <b>Dr Mathias Schluep</b>, Managing Director of the WRFA's program activities related to mining, secondary raw materials and global resource policy</li><li>▪ <b>Dr. Rosie McDonald</b>, E-waste Data Associate Officer, International Telecommunication Union (ITU)</li><li>▪ <b>Mr. Steven Moore</b>, Head of climate action @ GSMA &amp; UN CC high level lead champions</li><li>▪ <b>Dr. Tarek El-Araby</b>, Head of the Waste Regulatory Authority at the Ministry of Environment</li></ul>
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