



Ministry of Housing, Utilities  
and Urban Communities



Housing & Building National Research Center International Conference  
**Future Vision & Challenges for Urban Development**  
**"Green Smart Sustainable Building between Present & Future"**  
14<sup>th</sup> - 17<sup>th</sup> December 2024 - Cairo, Egypt



Housing & Building  
National Research Center

## - Panel Title: Strengthening Access to Sustainable Cooling in Response to Extreme Heat - IIR Cool Dialogue : Policy innovations and financial solutions for a sustainable MENA

### - Abstract and objectives

Understanding the crucial role, the cooling sectors play in different economic and social aspects such as urban development, housing, industry, food security, supply chain, health and pharmaceutical, manpower and employment; dealing with the cooling sector holistically and in a sustainable manner has never been more important than now taking into consideration, as well, the global environmental commitments and sustainable development goals. Don't miss this opportunity to contribute to a greener, more sustainable future for Egypt's urban landscape. Join policymakers, urban developers, engineers, and sustainability advocates as we delve into the criteria for selecting air conditioning systems that meet both sustainable development and environmental needs. Your voice matters in shaping the policies that will support sustainable growth in line with the global and national vision.

#### Objectives:

1. Present a roadmap for addressing the sustainable cooling in new urban areas
2. The phase-out of current refrigerants in Egypt while empowering the local industry and the private sector to lead the transformative actions
3. Bridging local authorities in synchronizing relevant institutional and regulatory frameworks

### - Main Outlines

- Tailoring cooling systems to meet the demands of different climatic regions and facility types in new urban complexes and existing city expansions.
- Presenting a roadmap for addressing the phase-out of HCFC refrigerants in compliance with the Montreal Protocol and the Kigali Amendment.
- Bridging the efforts of local authorities to synchronize institutional and regulatory frameworks with sustainable cooling practices.
- Promoting sustainable procurement strategies that reduce the carbon footprint of cooling systems and support environmentally friendly solutions.
- Highlighting the risk assessment on the use of alternative flammable refrigerants, ensuring safety and compliance with environmental and safety standards.

### - Suggested Speakers with related presentation

Moderator : Prof. Reham Hafez, Housing and Building National Research Center-HBRC

1. Assoc. Prof. Yosr Allouche, Director General Elect at the International Institute of Refrigeration (IIR, France) Associate Professor in Refrigeration (NTNU, Norway)
2. Eng. Ayman Eltalouny, International Partnerships Coordinator- UNEP OzoneAction.
3. Eng. Souhir Al-Hammami, Director at IIR- Humboldtian

#### Expected Attendees:

- HVAC Sector
- Multifaceted engineering entities
- Policy makers and local authorities