



Friday, 16<sup>th</sup> July 2021, 1:00 – 2:00 pm (Nairobi time)

## ***Left out in the cold* – the Green Cooling potential of the global window type air conditioner market**

Despite the increasing market growth of split-type air conditioners, window-type ACs still have stable markets in many regions, accounting for about 13 million sales annually. Most of these sold units are featured with a low energy performance and highly climate-damaging HCFC-22 (GWP 1800) and HFC-410A (GWP 2088). However, their compactness, small refrigerant charge and simple installation perfectly qualify them for HC-290 (GWP of 1), holding large efficiency and climate benefits on scale. In this side event we will zoom into most dominant regional markets, unfold the GHG mitigation potential that would result from a timely transition to HC-290 (GWP of 1), and discuss design and safety aspects of R290 window-type ACs.

### **Provisional agenda**

1. Welcome Remarks	Elisabeth Munzert, German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (5')
2. Introduction to global window type air conditioner market	Philipp Munzinger, GIZ Proklima (5')
3. Transition to R290 and GHG mitigation pathways	Irene Papst, HEAT GmbH (5')
4. Development of high efficiency window air conditioner using propane under limited charge	Bo Shen, Building Technologies Research and Integration Center, Oak Ridge National Laboratory (10')
5. Testing of an R290 window-type AC	Isagani Soriano, Lighting and Appliances Testing Laboratory, Department of Energy, Philippines (10')
6. Safety aspects	Daniel Colbourne, Re-phridge, c/o HEAT GmbH (10')
7. Q&A	All (15')
8. Closing	Bernhard Siegele, GIZ Proklima (5')

### **For questions please contact:**

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