Accra-Helsinki Group for Sustainable Cooling:
The MP10 Portfolio of Opportunities

1. **Accelerating implementation of the Kigali Amendment (KA)**

   Strengthening phase-down schedules, expanding ratification, and supporting timely compliance.

2. **Saving energy through parallel Energy Efficiency transformation of manufacturing with the refrigerant transition (EE)**

   Synchronizing energy efficiency improvements with refrigerant changeovers through Minimum Energy Performance Standards (MEPS) that apply equally to exporters and importers, in order to **prevent the dumping** of energy-inefficient appliances containing or relying on obsolete refrigerants.

3. **Reducing leaks of halogenated substances through better Lifecycle Refrigerant Management (LRM)**

   Systematic recovery, reuse, reclamation, and safe destruction of refrigerants throughout the lifetime of equipment and at end-of-life.

4. **Addressing feedstock emissions (FEEDST)**

   Monitoring, reporting, and reducing fugitive emissions and leaks from chemical feedstocks used in manufacturing processes.

5. **Controlling and reducing emissions of Very Short-Lived Substances (VSLSs)**

   Addressing unregulated, anthropogenic short-lived chlorine and bromine compounds that impact stratospheric ozone.

6. **Mitigating industrial nitrous oxide emissions (N_2O)**

   Deploying proven catalytic reduction and abatement technologies for point-source emissions from adipic and nitric acid industrial production.

7. **Including Sulphur Hexafluoride (SF_6) in atmospheric control mechanisms**

Bringing this ultra-potent greenhouse gas (GWP 22,800), widely used in electrical switchgear, under formal atmospheric control and phased transition pathways.

8. **Shifting from fluorinated refrigerants to Natural Refrigerants (NatRef)**

   Prioritizing natural working fluids (e.g., propane, CO_2, ammonia) to avoid the environmental and chemical lock-in of persistent per- and polyfluoroalkyl substances (**PFASs**, the "forever chemicals").

9. **Gradually shifting to refrigerant-free Alternative Cooling Technologies (ACTs)**

   Fostering non-vapor-compression technologies, taking into account their improving Technological Readiness Levels (TRLs) and lifecycle impacts.

10. **Implementing Passive Cooling solutions immediately worldwide as a first resort (PASS)**

    Prioritizing shading, building orientation, natural ventilation, and reflective surfaces to prevent dangerous overheating and reduce energy demand before mechanical systems are activated.

Watch this space: https://accra-helsinki.org/en

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