

IEA 9th Annual Global Conference on Energy Efficiency

Special Event: Delivering a super-efficient future for appliances

Wednesday 22 May 2024: 14:30 – 17:30 EST

Jambo, Safari Park Hotel, Nairobi, Kenya

Background

Improving the stringency of energy efficiency regulations for appliances will be key for putting the world on track to achieving a doubling of global energy efficiency improvements by 2030. To get on track with the IEA's Net Zero Emissions by 2050 Scenario, most appliances and equipment being sold in 2035 will also need to match today's best available technologies.

Despite improvements in efficiency resulting from stricter minimum energy performance standards (MEPS) in many regions, further gains are needed and must be accompanied by behavioural shifts to reduce household electricity needs. Greater cooperation is also needed between exporting and importing countries to address the ongoing issue of dumping of inefficient, second-hand appliances, that can result in higher energy costs for consumers, strain on energy grids and increased carbon emissions. Policies that boost energy efficiency are vital to allow more people to own appliances, without creating unsustainable energy demand or compromising climate targets. Designing and revising MEPS to align with those of neighbouring countries and major exporting countries can both expand the market for higher-efficiency appliances and reduce the risks of dumping. Improved standards combined with a clear labelling programme would encourage market players to improve the efficiency of products sold and exclude inefficient products from sales.

Ahead of COP26, the United Kingdom and the SEAD Initiative launched the Product Efficiency Call to Action to raise ambition more quickly, easily and at a lower cost. 14 SEAD members and other governments have so far signed a Joint Statement to publicise their collective ambition, namely doubling the efficiency of four key energy-using products sold globally by 2030: lighting, residential cooling, residential refrigeration and industrial electric motor systems. In this context, the event will highlight the importance of strengthened Minimum Energy Performance Standards (MEPS) for energyusing appliances and equipment in reducing energy consumption and meeting net zero ambitions, including the role regional cooperation on standards can play in addressing environmentally-harmful dumping of inefficient products.

Organised in partnership with CLASP and the Super-Efficient Equipment & Appliance Deployment (SEAD) Initiative, the event will bring together international standards bodies, industry players, regulators, along with NGOs and experts to discuss key actions to double energy efficiency of appliances to support the aims of the Call to Action. The discussion will encourage closer alignment of standards approaches to support harmonisation of test procedures and emphasise the essential role of standards for cooling appliances.

Agenda

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| 14:30-14:40 | Opening remarks <ul style="list-style-type: none"> Dr. Eng. Fenwicks Musonye, Deputy Director of Energy Efficiency, Energy & Petroleum Regulatory Authority (EPRA) |
| 14:40-15:40 | Session 1: Panel Discussion – The Call to Action: delivering efficient, affordable appliances in support of global energy efficiency doubling This panel will bring together global experts on appliance energy efficiency to discuss critical actions that are needed to deliver expanded global markets for efficient, affordable appliances. Speakers will share insights on best practice policies, financing and business models that can maximise contributions towards the global energy efficiency doubling target. Scene Setting (10 mins) <ul style="list-style-type: none"> Melanie Slade, Senior Programme Officer, International Energy Agency (IEA) (Moderator) Panel (50 mins) <ul style="list-style-type: none"> Li Pengcheng, Principal Investigator, China National Institute of Standardisation (CNIS) Luc Kevo Tossou, Principal Energy Efficiency Specialist and Investment Officer, African Development Bank (AfDB) Han Wei, Director of Projects, President's Office, Energy Foundation China Stephen Cummins, Head of Energy Related Products Team, UK Department for Energy Security & Net Zero (DESNZ) Noah Horowitz, Director, Clean Cooling Collaborative (CCC), ClimateWorks Foundation |
| 15:40 – 16:00 | Coffee break |
| 16:00-17:20 | Session 2: Panel Discussion – Regional approaches to appliance energy efficiency standards and testing This panel will aim to emphasise how regional harmonisation of MEPS and testing can lead to large-scale transformative changes in the availability and affordability of energy efficient appliances. It will also include focus on the role regional cooperation on standards can play in addressing environmentally-harmful dumping of inefficient products. Scene setting (10 mins) <ul style="list-style-type: none"> Ari Reeves, Senior Director of Research, CLASP (Moderator) Panel (60 mins) <ul style="list-style-type: none"> Kofi Agyarko, Director, Renewable Energy, Energy Efficiency & Climate Change (REEECC), Ghana Energy Commission Karin Reiss, Industrial Development Officer, UNIDO Nickson Bukachi Onger, Senior Policy Officer Renewable Energy and Energy Efficiency, AFREC Dennis Nderitu, Manager Energy Systems for Africa, The Global Energy Alliance for People and Planet (GEAPP) Angellah Wekongo, Associate, East Africa, CLASP |
| 17:20-17:30 | Closing remarks <ul style="list-style-type: none"> Melanie Slade, Senior Programme Officer, International Energy Agency (IEA) David Mutisya, Director of Renewable Energy, Kenya Ministry of Energy & Petroleum |