Submission by Liberia

1. **Name of the party**

   LIBERIA

2. **Please provide the names and locations of existing centres of excellence for sustainable cooling and testing centres for energy efficiency in your country or region**

   At present, Liberia does not have fully established national Centres of Excellence specifically dedicated to sustainable cooling and testing, or energy-efficiency testing. However, there are a few organizations and emerging institutions in Liberia working in renewable energy, climate action, and sustainable energy technologies. These include:
   Existing or emerging institutions in Liberia include:
   1. Center for Sustainable Energy Technology (CSET)
   Located in Congo Town, Monrovia, which works on renewable energy technologies, clean cooking, energy awareness, and sustainable energy research.
   2. Center for Renewable Energy and Climate Actions (CRECA)
   Based in Montserrado County. It focuses on renewable energy, climate change adaptation, sustainability, and environmental advocacy. While it is not yet a formal testing laboratory or cooling centre of excellence, it contributes to energy-efficiency and climate-related capacity building in Liberia.

3. **Are there plans to set up a centres of excellence for sustainable cooling and/or testing centres for energy efficiency in your country/region? If yes, please provide more information on these ongoing efforts**

   There are no confirmed plans yet for setting up Centre of Excellence for sustainable cooling or a specialized energy-efficiency testing center in Liberia particularly focused on cooling technologies. However, several developments suggest that Liberia is moving in that direction through broader energy, climate, and institutional-strengthening initiatives.

   For instance, the Government of Liberia and partners such as the EU, AfDB, and ECOWAS are investing in energy-efficiency capacity building and institutional strengthening through projects like the Liberia Energy Efficiency and Access Project (LEEAP); Liberia's Environmental Protection Agency (EPA) has announced plans for regional environmental research and laboratory facilities as part of its 2025–2029 strategic plan. These laboratories could potentially support future testing and certification activities related to energy efficiency and cooling technologies. Liberia is increasingly participating in regional ECOWAS energy initiatives, including collaborations with the ECOWAS Centre for Renewable Energy and Energy Efficiency

(ECREEE), which already promotes energy-efficiency standards and renewable-energy programs across West Africa.

4. **Please describe policies implemented in your country/region that support the setting up and operations of such centers of excellence for sustainable cooling and testing centers for energy efficiency**

   Liberia has not yet established many fully operational specialized Centres of Excellence for sustainable cooling or nationally accredited energy-efficiency testing laboratories at the scale seen in some larger economies. Nevertheless, there are several national policies, climate commitments, and regulatory frameworks already providing a strong policy foundation for creating and operating such centres. These regulatory frameworks include:
   1. Liberia National Energy Policy
   2. National Energy Efficiency Action Plan (NEEAP)
   3. Liberia's Nationally Determined Contributions (NDCs)
   4. Environmental Protection and Management Law (EPML) of LIberia
   5. Montreal Protocol Controlled Substances Regulations (2023)
   6. Climate and Green Growth Integration under the Government's AREST Agenda.

5. **Please describe activities and specific functions of the existing/planned centres of excellence for sustainable cooling and testing centres for energy efficiency**

   Existing and planned Centres of Excellence for sustainable cooling and energy-efficiency testing in Liberia are intended to serve as hubs for research and technology development; Training and human capacity development; technology demonstration; standards development; policy support; Public awareness and community outreach.

   Liberia is still in the early stages of developing specialized cooling and energy-efficiency testing infrastructure, but several institutions, policies, and regional partnerships already support these functions.

6. **Please share key lessons learned, including best practices and challenges encountered in establishing or operating the centres of excellence for sustainable cooling and testing centres for energy efficiency**

   Key lessons learned from establishing and operating Centres of Excellence for sustainable cooling and energy-efficiency testing centers in Liberia like other developing countries across Africa include generally governance and policy, technical and operational capacity, and financial sustainability.

7. **Please provide any supporting documentation (e.g. policy documents, reports, website links etc.)**

As earlier stated, there are currently very limited fully established and dedicated national Centres of Excellence for sustainable cooling and energy-efficiency testing in Liberia. However, several policy documents, technical reports, institutional plans, and international programme websites provide supporting documentation and evidence for ongoing development efforts in this area.

Key Websites for Further Documentation
SEforALL Africa Hub – Liberia country page
ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE)
Green Cooling Initiative
UNEP United for Efficiency (U4E)
Liberia EPA official website (www.epa.gov.lr)
International Energy Agency (IEA) Liberia energy profile

Others include:
- Liberia National Energy Efficiency Action Planmm (NEEAP)
- SEforALL Action Agenda and Investment Proposal for Liberia
- Liberia National Renewable Energy Action Plan
- A Comprehensive Review of Liberia's Energy Scenario
- Liberia Electricty Regulatory Commission (LERC)

8. Any other information

No answer provided.