

Submission by South Africa

Reporting form on national and regional initiatives supporting the implementation of the Kigali Amendment to the Montreal Protocol on substances that deplete the ozone layer, in accordance with decision XXXVII/5

1. Name of the party: _ South Africa

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

Category	Name	Location	Function
Regional Centres of Excellence (Africa)	ACES (not SA)	Kigali, Rwanda	Cooling R7D, testing training
Research centre	The Council for Scientific and Industrial Research (CSIR)	Pretoria, South Africa	Energy systems, testing modelling
National institute	South African National Energy Development Institute (SANEDI)	Johannesburg, South Africa	Energy efficiency programmes
University centre	University of Johannesburg	Johannesburg, South Africa	Industrial energy C technology
National Testing Lab	South African Bureau of Standards (SABS) Appliance lab	Pretoria, South Africa	Appliance Energy Efficient testing

3. Are there plans to set up a centre 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

- Africa Centre of Excellence for Sustainable Cooling and Cold Chain (ACES) is headquartered in Rwanda it is designed as a pan-African network.
 -
-

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

- National Cooling Plan
- Kigali Amendment Plan
- Energy Efficiency Strategy

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

Category	Name	Function
Regional Centres of Excellence (Africa)	ACES (not SA)	Cooling R7D, testing training
Research centre	The Council for Scientific and Industrial Research (CSIR)	Energy systems, testing modelling
National institute	South African National Energy Development Institute (SANEDI)	Energy efficiency programmes
University centre	University of Johannesburg	Industrial energy C technology
National Testing Lab	SABS Appliance lab	Appliance Energy Efficient testing

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

Lesson learned

- Collaboration between government, universities, industry and international partners
- Establishment of the demonstration projects accelerating adoption

Best practice

- Establish formal partnership including government (policy and funding)
- Academy (research and training)
- Industry deployment and commercialisation

Challenges encountered

- Duplication of research
- Weak implementation pathways

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

- -South Africa National Cooling Plan
- -South Africa Kigali Implementation Plan

8. Any other information
