

Maldives Towards Zero ODP and Low GWP Alternatives

Republic of Maldives
Ministry of Environment and Energy

Ali Shareef
Ministry of Environment and Energy
Maldives

COUNTRY OVERVIEW

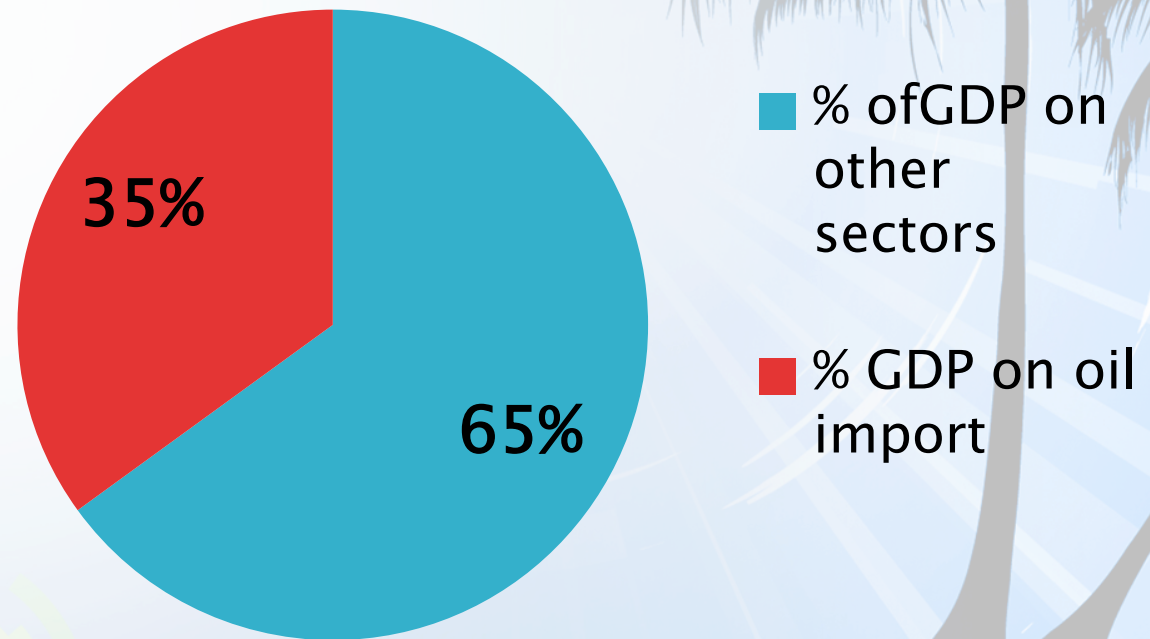
- **1192 islands**
- **194 inhabited**
- **105 self-contained tourist resorts**
- **Population (2012): 330,652**
- **One of the low lying countries (avg elev ~1.5m above MSL)**
- **Highly threatened by climate change and extreme weather events**
- **Highly dependent on imported oil**

ENERGY SECTOR GROWTH & CONSUMPTION

- ▶ Male' consumes nearly 50% of total electricity generated for inhabited islands with an increase rate of 11% /year
- ▶ National Electricity demand growth > 8.5%
- ▶ Tourist resorts produce and consume 60% of the national electricity production.
- ▶ *60-70 percent of the electricity consumed for cooling in Maldives*

ENERGY SECTOR

- Contribution to global GHG emission 0.003%
- Huge hindrance on development



ENERGY SECTOR MITIGATION

De-
carbonization
of economy

Efficient use of
resources on
other sectors

Mitigation
Dual
Benefits

FIGHT AGAINST CLIMATE CHANGE

- ▶ Pledged to be Carbon Neutral by 2020
- ▶ Low carbon development Investment Plan – Scaling up of Renewable Energy Program (SREP)
 - Create an enabling environment for private sector investments
- ▶ Maldives Green Fund endorsed and established
 - Funding for sustainable development projects
- ▶ Party to KP and Montreal Protocol
- ▶ HCFC phase-out by 2020

FULFILLING THE MONTREAL PROTOCOL

HCFC Phase-out Management Plan



Increase in Zero ODP and high GWP alternatives

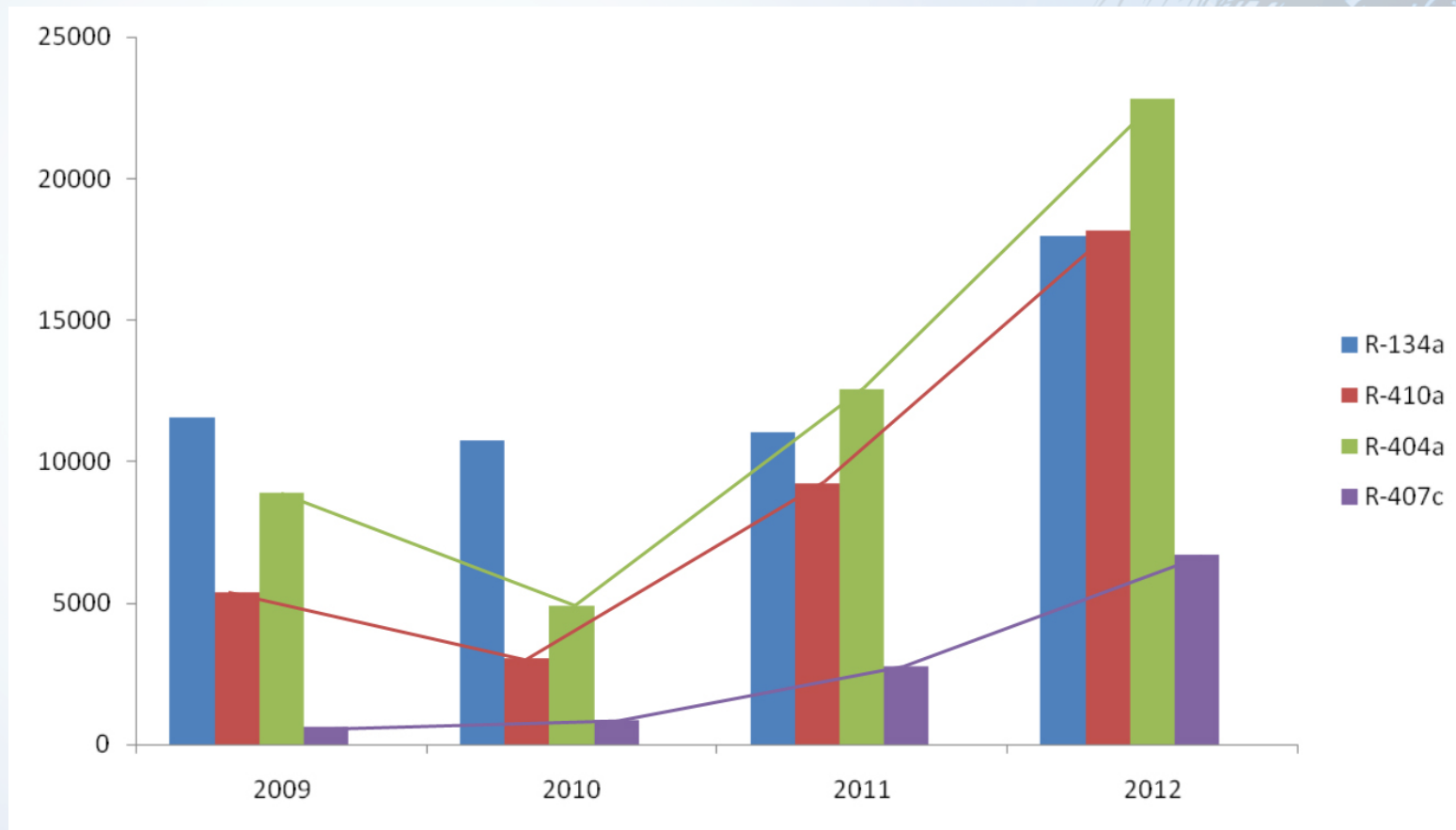


Increase in the use HFCs

HCFC Phase-out Management Plan - This plan alone will reduce the emissions of the Maldives by the equivalent of 130 million tons of carbon dioxide by 2020 that is the equivalent of 26 million cars taking off the road for a year”.

- Mr. Achim Steiner, UN Under-Secretary General and Executive Director of UNEP -

TIGHTENING IMPORT OF HCFC

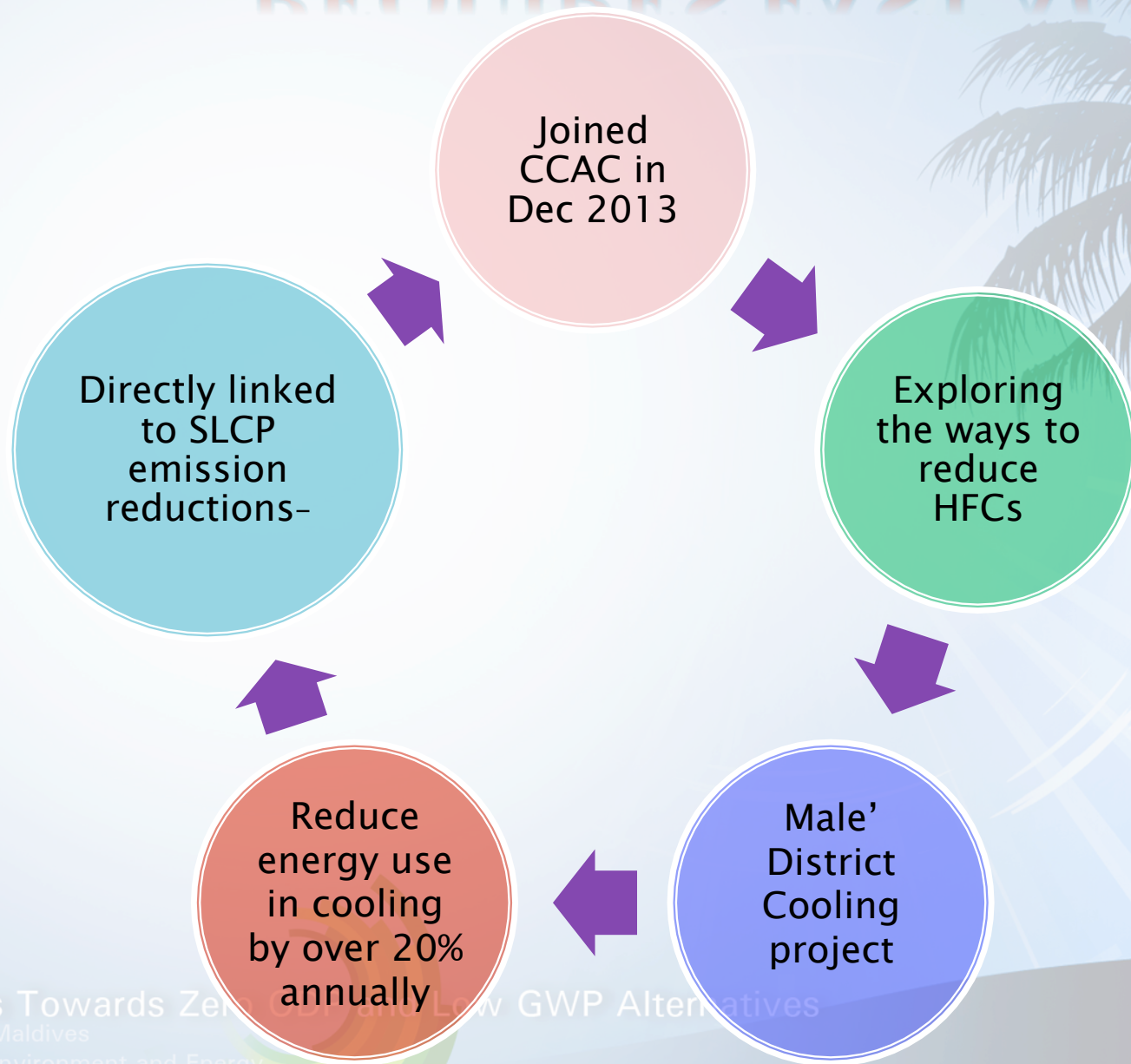


JOINING CLIMATE & CLEAN AIR COALITION SHORT LIVED CLIMATE POLLUTANTS

- ▶ Increase in use of HFCs
- ▶ Conflicting and Counter work against KP – involuntary promotion of GHG
- ▶ Concept of SLCP was introduced by the Atmospheric Brown Cloud (ABC) scientists.
- ▶ Maldives hosts one of the key super observatories in North Maldives and South



REQUIRES FAST ACTIONS





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