

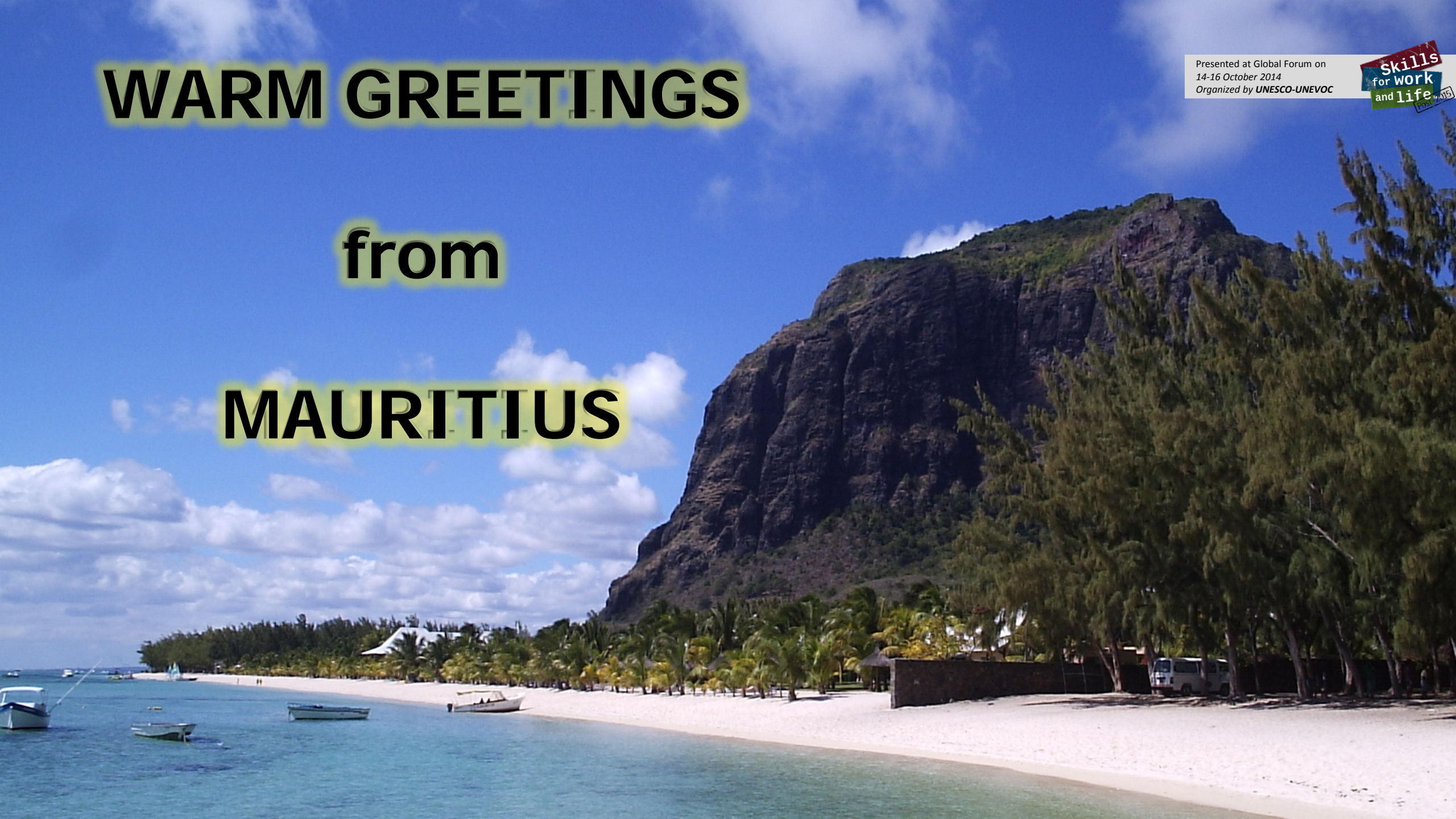
WARM GREETINGS

from

MAURITIUS

Presented at Global Forum on
14-16 October 2014
Organized by UNESCO-UNEVOC

Skills
for work
and life



UNEVOC GLOBAL FORUM

Bonn, 14-16 October 2014

Skills for Work and Life Post-2015

Green Skills in TVET : The case of Mauritius

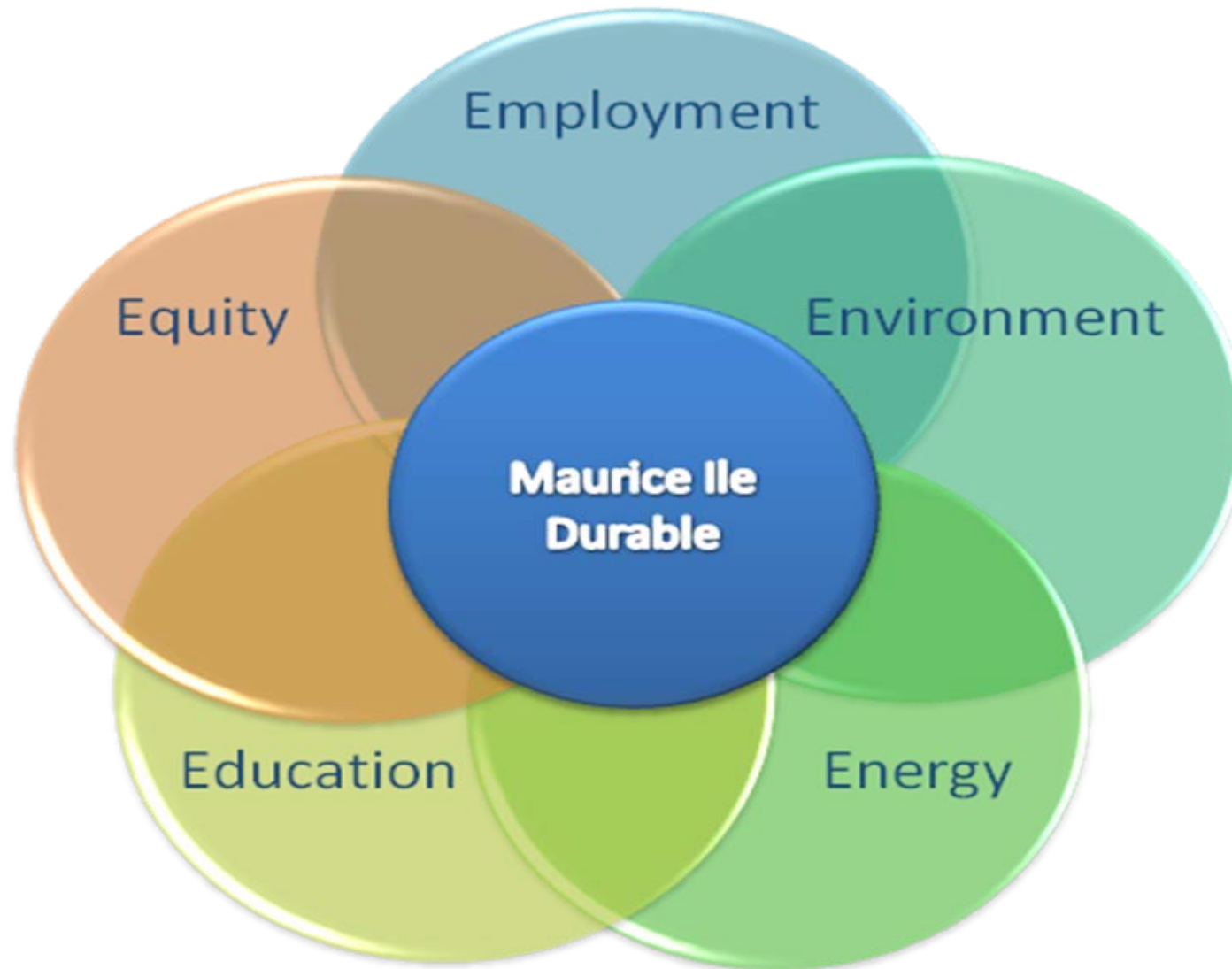
Mr P. K. Joosery
Officer in Charge

Mauritius Institute of Training and Development
(MITD)

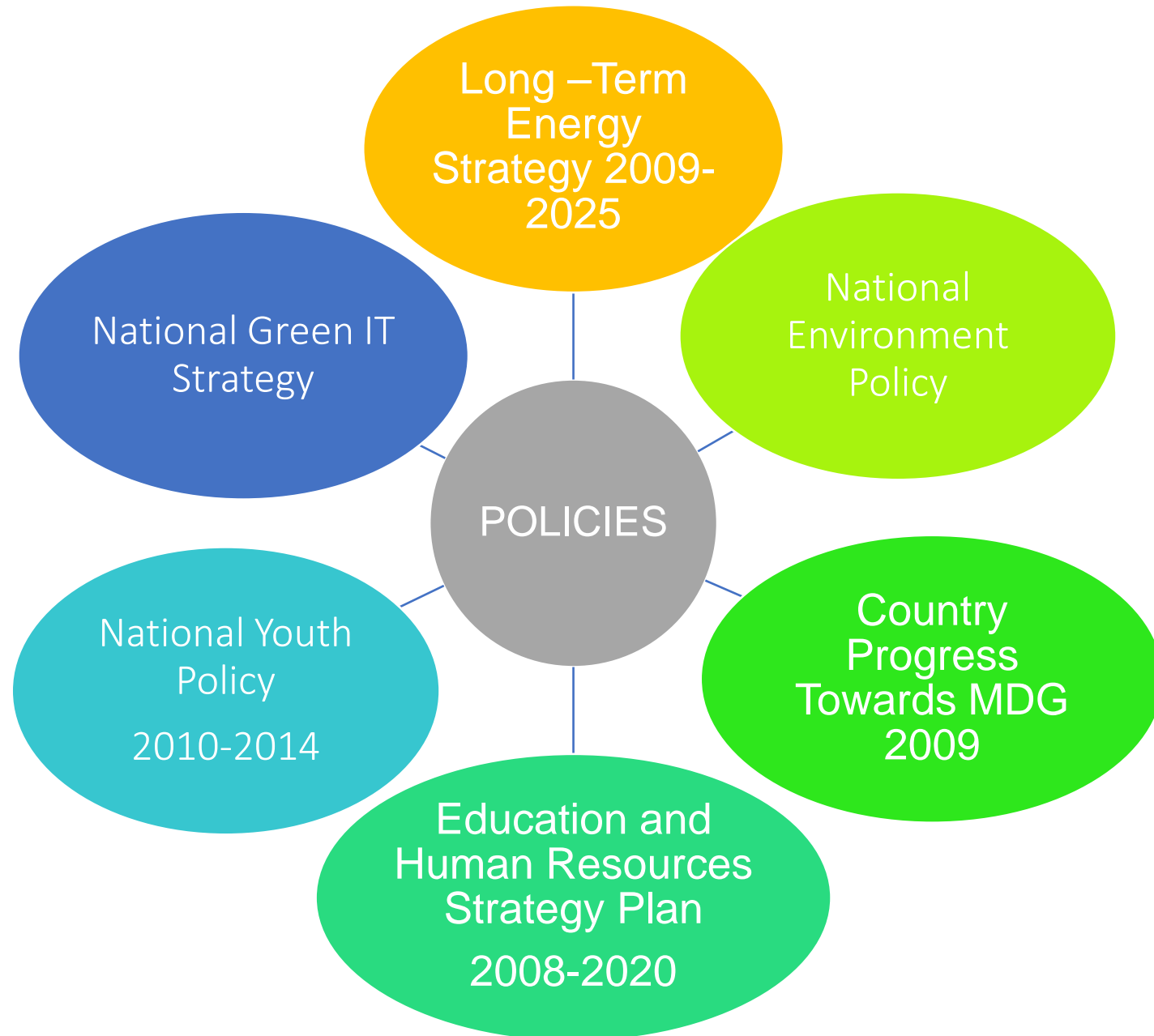
MAURITIUS INSTITUTE OF TRAINING AND DEVELOPMENT (MITD)

- Parastatal body under the Ministry of Education and Human Resources
- Lead public provider and awarding body for TVET in Mauritius
- Pre-employment training: 65 full-time training programmes
- In service/continuing training : 200 part-time courses
- Apprenticeship scheme : 25 trades
- Total enrolment in year 2013: 12,384
- Public/private partnership

MID VISION



POLICIES RELATED TO MID



MID TARGETS

- Achieve the national target of 35% renewable energy by 2025. Reduce energy consumption in non-residential and public sector buildings by 10% by 2020.
- Meet the environmental sustainability targets of the Millennium Development Goals.
- Reduce the ecological footprint to be in the upper quartile of performance of similar income nations, by 2020.
- Increase the percentage of green jobs, from 6.3% in 2010, to 10% by 2020.
- Maintain or improve position in the World Economic Forum's International Competitiveness Index.
- Achieve 100% MID literacy by 2020.
- Be an internationally recognized knowledge hub for sustainable development in the region by 2020.
- Improve the position of the Republic of Mauritius in the World Poverty Index.
- Improve current status in the Gini coefficient of income inequality.

MID AND TVET

- One of the MID strategies is to ensure that all training programmes include the principles of MID alongside statutory obligations.

INTEGRATION OF SD IN TVET

1. A module on awareness of Environmental issues in all curricula

Title	Environmental Studies in National Certificate Level 3 (NC3) Training Programme
Duration	10 hours
Number Trained in 2013	2,500 trainees

2. Training in the Installation, Maintenance & Servicing of photovoltaic systems

Three training centres equipped with 4 PV Systems

- Two 6 kW stand-alone (off-grid) PV System
- Two 12 kW Grid-tie PV System

2. Training in the Installation, Maintenance & Servicing of photovoltaic systems

Title	Solar Photovoltaic Systems Technology
Duration	35 hours
Course Outline	-Solar Radiation Fundamentals -PV Technology -Inverter Technology
Number Trained	23 participants

3. Training in Installation & Maintenance of Solar Water Heaters

Government incentives for purchase of Solar Water Heaters
One of the conditions is the supplier should employ technicians trained by the MITD.

Title	Installation of Solar Heaters
Duration	12 hours
Course Outline	<ul style="list-style-type: none">-Components of Solar Water Heaters-Interpret Circuit diagram of Solar Water Heaters-Testing-Leakage and pressure tests
Number Trained	Assembly – 41 participants Maintenance – 42 participants

4. Training in use of Eco Friendly Refrigerants

Protocol for refrigerants adopted by Government

- Montreal Protocol
- Kyoto Protocol

Initially the Ministry of Environment in collaboration with GIZ Proklima organised a Train The Trainer programme for African countries.

Two MITD trainers participated in the training programme

4. Training in use of Eco Friendly Refrigerants

Replication of training by MITD trainers for local stakeholders.

Title	Hydro Carbon Refrigerants R290 for Domestic Air Conditioning
Duration	20 hours
Course Outline	<ul style="list-style-type: none">-Brazing techniques-Characteristics of HC-Pressure test and leak test-Charging R290 refrigerants
Number Trained	20 participants

4. Training in use of Eco Friendly Refrigerants

Title	Maintenance of Domestic Refrigerators using R600a Refrigerants
Duration	20 hours
Course Outline	<ul style="list-style-type: none">-Use a Gauge manifold-Carry out pressure test-Charge refrigerants (R600a)-Check operating parameters
Number Trained	6 participants

5. Training Module on ESD in the National Diploma in Hotel Management

Title	National Diploma in Hotel Management
Duration of module	100 hours
Course Outline	<ul style="list-style-type: none">- Environmental Regulation- Environmental Processes- Concept of Sustainability- Social Impacts
Target Audience	All in-service employees of the hotel sector enrolled on the course

6. Training Module on ESD in the Hospitality Management Course

Title	Sustainable Tourism Development
Duration	60 hrs
Course Outline	Planning in the travel and tourism industry Different approaches to tourism planning and development
Target Audience	Trainees following the Pearson Higher National Diploma in Hospitality Management

7. Training in ICT

- National Certificate level 4 in IT
 - 50 hour Module on “ Work Ethics , Team Building and Green ICT “

- Course contents of Green ICT
 - Understand Green IT Strategies.
 - Objectives of Green Computing Technologies.
 - Knowledge of sustainable Computing.
 - Knowledge of environmentally sound waste disposal

MEASURES TAKEN TO PROMOTE SD

- Use of Energy Efficient Lightings in MITD Buildings
- Collection of used Engine Oils in the Automotive Section for recycling
- Rainwater Harvesting
- Composting

WAY FORWARD

Terms of Reference prepared for the services of a consultant to assist the MITD in identification of sectors for green skills, training needs analysis in green skills and implementation of identified training.

THANK YOU.

