

Energy Auditor Capacity Building

Training Workshop | Mauritius

Dr Clara Camarasa · Day 1 · 10 June 2026

Global Platform for Urban Climate Neutrality

ISO 50002 · Energy Conservation Measures · Building Performance Tool

Moderated by Clara Camarasa · UNEP-CCC Markets Section

Under the Energy Efficiency (Energy Consumer and Energy Audit) Regulations 2017

Day 1 Agenda

2:00 – 2:05 PM

Mr Ziyaad M. Toofany. Engineer/Senior Engineer, Energy Efficiency- EEMO

Opening Remarks

2:05 – 2:20 PM

Dr Clara Camarasa · Senior Advisor · UNEP-CCC

Project Introduction & Training Overview

2:20 – 2:40 PM

Ms Trupti Yargattimath · Project Officer · UNEP-CCC

Energy Audit Key Findings & Training Focus

2:40 – 3:00 PM

Ms Amiirah Muddhoo · UNEP-CCC

Walk-Through of the Building Energy Performance Analysis Tool

3:00 – 3:20 PM

Dr Zhuolun Chen · Senior Advisor · UNEP-CCC

Technical Guidance: Procurement of Energy Conservation Technologies

3:20 – 3:40 PM

All Speakers

Q&A

3:40 PM

Clara Camarasa · Senior Advisor · UNEP-CCC

Closing Remarks / Looking Ahead — Day 2 & Next Steps



Opening Remarks

*Mr Toofany Ziyaad. M - Engineer/Senior
Engineer, Energy Efficiency · EEMO*

Day 1 Agenda

2:00 – 2:05 PM

Mr Ziyaad M. Toofany, Engineer/Senior Engineer, Energy Efficiency· EEMO

Opening Remarks

2:05 – 2:20 PM

Dr Clara Camarasa · Senior Advisor · UNEP-CCC

Project Introduction & Training Overview

2:20 – 2:40 PM

Ms Trupti Yargattimath · Project Officer · UNEP-CCC

Energy Audit Key Findings & Training Focus

2:40 – 3:00 PM

Ms Amiirah Muddhoo · UNEP-CCC

Walk-Through of the Building Energy Performance Analysis Tool

3:00 – 3:20 PM

Dr Zhuolun Chen · Senior Advisor · UNEP-CCC

Technical Guidance: Procurement of Energy Conservation Technologies

3:40 PM

Dr Clara Camarasa · Senior Advisor · UNEP-CCC

Closing Remarks / Looking Ahead — Day 2 & Next Steps

Project Introduction

Global Platform for Urban Climate Neutrality (GPUC) — Mauritius

Mauritius Context

- Heavy reliance on imported fossil fuels — coal and petroleum — for electricity generation
- Cooling demand rising sharply: AC imports from China up significantly over the past decade
- CEB electricity tariff increase of 15% planned from May 2026, adding urgency to efficiency action
- NDC 2025 commits to a 10% economy-wide energy efficiency improvement by 2035 (2019 base)
- Energy Efficiency (Energy Consumer and Energy Audit) Regulations 2017 require ISO 50002 Level 2 audits for designated organisations

The GPUC Project

- UNEP Copenhagen Climate Centre, in partnership with EEMO
- Part of the Global Platform for Urban Climate Neutrality; focused on building sector efficiency in developing economies
- Overarching aim: translate Mauritius's 10% efficiency target into concrete, evidence-based progress
- Six interconnected workstreams: audit review → tool development → recommendations → procurement guidance → capacity building → knowledge hub
- Technical foundation for the MAF Mauritius ESCO Market Development project and future guarantee mechanism

What the Project Delivered

01 Audit Review

Structured technical review of energy audit reports across schools, hospitals, and offices. Assumptions and savings re-checked against ISO 50002

Diagnostic: the evidence base for everything else

02 Building Energy Performance Analysis Tool

Excel workbook covering facility data, 24 months of billing, equipment surveys (lighting, HVAC, refrigeration, motors), end-use analysis, EnPIs, and improvement register

Response: closes the specific gaps the audit review identified

03 Recommendations & Procurement Guidance

18 recommendations across immediate, structural, and market-transformation tiers. Technical procurement guidance for main energy conservation technologies

Actionable: feeds directly into EEMO policy and future ESCO frameworks

04 Capacity Building & Knowledge Hub

Training materials, decision-support tools, guidelines, and case studies made available through a virtual knowledge hub — including today's workshop

Local capacity based on needs assessment

Training Objectives

What this workshop is for — and what it is not

1

Share Good Practices

Present structured, evidence-based approaches to energy auditing drawn from a review of 14 audits conducted in Mauritius across schools, hospitals, and offices.

2

Strengthen Practical Skills

Walk auditors through the Building Energy Performance Analysis Tool — a practical Excel workbook aligned to ISO 50002 Level 2 that addresses the specific gaps identified in current practice.

3

Improve Future Audit Quality

Equip energy auditors with the calculation methods, reference data, and reporting practices needed to produce credible, investment-ready audit reports going forward.



Energy Audit Key Findings & Training Focus

*Ms Trupti Yargattimath ·
Project Officer · UNEP-CCC*




Walk-Through Building Energy Performance Analysis Tool

Ms Amiirah Muddhoo · UNEP-CCC



Walk-Through Building Energy Performance Analysis Tool

Ms Amiirah Muddhoo · UNEP-CCC

The image is a composite background. The foreground is filled with a perspective view of a solar farm, showing rows of photovoltaic panels stretching towards the horizon. The panels are semi-transparent, allowing the background elements to be seen through them. In the background, three wind turbines are visible against a sky transitioning from a pale blue at the top to a warm orange and yellow at the horizon, suggesting a sunset or sunrise. The overall aesthetic is clean and modern, representing renewable energy.

Q&A Session



Closing Remarks

Dr Clara Camarasa · Senior Advisor · UNEP-CCC

Looking Ahead — Day 2 & Next Steps

Day 2 Programme

- Practical application of the Building Energy Performance Analysis Tool — hands-on session
- Case study exercises using anonymised audit data
- Group work: identifying Energy Conservation Measure opportunities
- Feedback and discussion: how to apply findings in your next audit
- Close and next steps: knowledge hub access, EEMO follow-up process

After the Training

- Tool and training materials available via the GPUC knowledge hub
- EEMO follow-up: guidance on incorporating tool into audit submissions

Today's session gives you the foundation — Day 2 is where you put it into practice.