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Presentation  
On

## **Green Practices in TVET Institutions**

**Presenter**

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# Presentation Outlines

- ✓ **What is “Greening” ?**
- ✓ **What is Greening of TVET Institutions ?**
- ✓ **Why Greening TVET ?**
- ✓ **What is Green Practices in TVET Institutions ?**
- ✓

# What is “Greening” ?

- Greening is the process of transforming lifestyle into a more **environmentally friendly** version.
- The process of becoming more active about **protecting the environment**
- **The process of making somewhere greener** by planting grass and trees
- The process of beginning to pay attention to the **protection of the natural environment**
- The process of making or becoming more **aware of environmental considerations**

The process of pursuing knowledge and practices with the intention of becoming more:

- ✓ **Environmentally friendly**
- ✓ Enhancing decision-making and
- ✓ **Lifestyle in more ecologically responsible manner**

That can lead to **environmental protection and sustainability of natural resources for current and future generations.**



## What is Greening TVET Institutions ?

The greening of TVET institution process invites actors of training and learning to engage in approaches that seek to develop knowledge, skills and attitudes that can lead to more sustainable practices in the community.

Greening TVET helps production to advance to more environmentally conscious practices,



# Five Dimensions of Greening TVET



*Five Dimensions of Greening TVET*

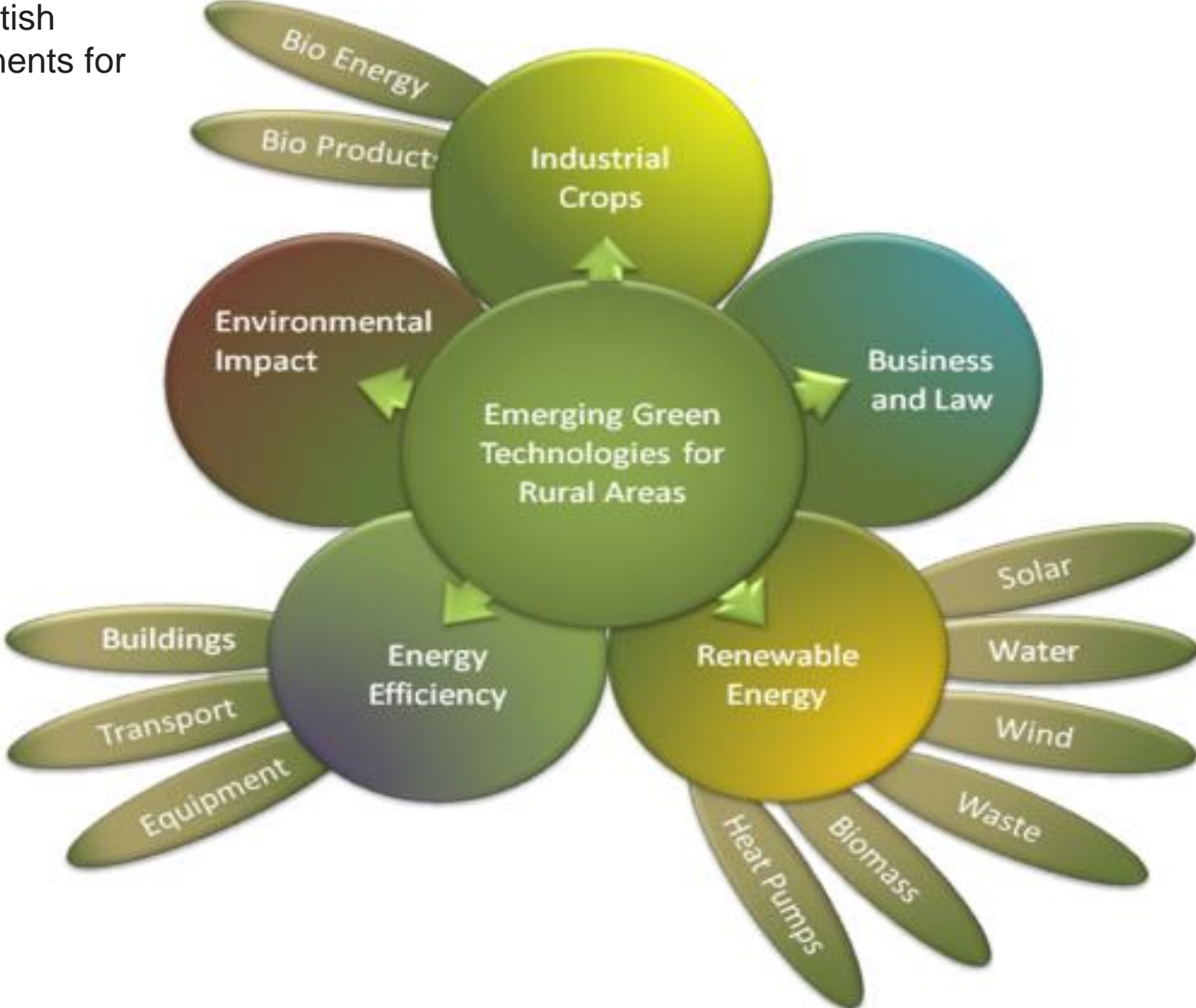


## Greening TVET institutions in seven steps

1. Assignment of a process manager
2. Establishing a green committee
3. Informing and involving stakeholders
4. Developing a green policy and strategy
5. Conducting an environmental review
6. Developing a greening programme
7. Implementing, monitoring, evaluating and consolidating of greening activities:



Green Technology Course offered in a British Academy with a multi-disciplinary components for rural development.



Data source: [www.sac.ac.uk](http://www.sac.ac.uk)



### PHASE ONE

#### **Getting Acquainted**

- Info and awareness, inventory of best & bad practices, policy formulation & seed project dev't

#### OUTPUT:

**GREEN POLICY  
GREEN COLLEGE  
PROGRAM**



### PHASE TWO

#### **Getting Involved**

- Policy dissemination, Implementation of seed projects , improvement analysis

#### OUTPUT:

**GREEN PROJECT/S  
CONCEPTS & GREEN  
COURSE DESIGNS**



### PHASE THREE

#### **Infusing Green**

- Monitoring & evaluation, policy refinements & publication, integration of green TVET in programs & curricula

#### OUTPUT:

**IMPLEMENTABLE GREEN  
CAPACITY BUILDING  
PROGRAMS**



### PHASE FOUR

#### **Transforming Lives**

- Community education & outreach, capacity building on Green TVET, lessons learned

#### OUTPUT:

**COMMUNITIES OF  
PRACTICE & ADOPTED  
COMMUNITIES**

# GREEN



TVET  
LABORATORY



FOR GOLD



CAMPUS



DINING



## CPSC GREEN PHILOSOPHY

As a learning organization, CPSC shall position itself to be a well-spring of knowledge and best practices with the ability to promote sustainable practices and principles in the field of Technical and Vocational Education and Training (TVET). Towards this end, CPSC champions the cause of integrating sustainable and "green" principles in CPSC policies, practices and program offerings, in every possible opportunity.





## Why TVET institutions must engage in greening process ?

TVET plays an important role in making transitions to a low-carbon economy and climate-resilient society. It is carried out through the traditional roles of TVET in preparing learners for the occupational fields and increasing their participation in the world of work. These traditional roles are facing new expectations:

- ✓ TVET for educating and training individuals to transition to a sustainable society
- ✓ Making TVET input current and relevant for ongoing labour market regulations
- ✓ Instilling consciousness, motivation to develop a green culture

[https://unevoc.unesco.org/go.php?q=page\\_greening\\_tvete](https://unevoc.unesco.org/go.php?q=page_greening_tvete)

## **Why invest in greening TVET**

- ✓ **Greening TVET helps production to advance to more environmentally conscious practices;**
- ✓ **A ‘green’ worker is a more employable worker; a ‘green’ workforce will enhance the profitability of the enterprise;**
- ✓ **National governments need to seize the potential for job creation by providing skills needed in the new green sectors;**
- ✓ **Disadvantaged groups in the labor market (young people, women, persons with disabilities, rural communities and other vulnerable groups) require targeted support to develop their potential knowledge and skills for green jobs.**

**Source: UNESCO-UNEVOC (2012).**

## What the greening of TVET institutions can achieve?

UNESCO-UNEVOC contributes to the fulfilment and monitoring of the SDGs by promoting the greening of TVET institutions.

This is projected to help institutions create an institutional environment that makes it conducive for institutional stakeholders contribute to achieving the goals of the SDGs, namely:

- ✓ SDG 4 (Quality Education);
- ✓ SDG 6 (Clean Water and Sanitation) and
- ✓ SDG 8 (Decent work and Economic Growth).

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# The 'Greening' process for TVET institutions

How to green TVET institutions:

A four-step guide for implementing approaches to sustainability in TVET

- ✓ **STEP 1: Understanding the process**
- ✓ **STEP 2: Planning for the greening of TVET**
- ✓ **STEP 3: Implementing an Institutional Green Plan**
- ✓ **STEP 4: Monitoring and Assessment Strategies**



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# Green Practices in TVET Institutions

Green Practices means to pursue knowledge and practices that can lead to more environmentally friendly, ecologically responsible and socially acceptable, which can help protect the environment and sustain its natural resources for present and future generations.

Greening is a process, or a journey, rather than an end-point. Greening is a way of life. Greening TVET is a journey and it will continue to spread the message as change agents in whatever way we can.

The following are the Green practices in TVET institutions :

**1) Waste Management**

**2) 100% Renewable Energy**

**3) Native Landscaping**

**4) Solar Power**

**5) Institute community garden**

**6) Use more of LEDs than CFL**

**7) Digital library/e-library**

**8) Smart lighting**

**1) Geothermal power**

**2) Climate neutrality**

**3) Recycling Bin for e-waste**

**4) Complete ban on Polythene at campus**

**5) Digital Library/E-learning Center**

**6) Bike Friendly Campus**

**7) Center for Sustainable Climate Solutions**

**8) Green Buildings**

## Waste Management System:



Waste management encompasses management of all processes and resources for proper handling of waste materials, from maintenance of waste transport trucks and dumping facilities to compliance with health codes and environmental regulations.

There are 5 types of waste:

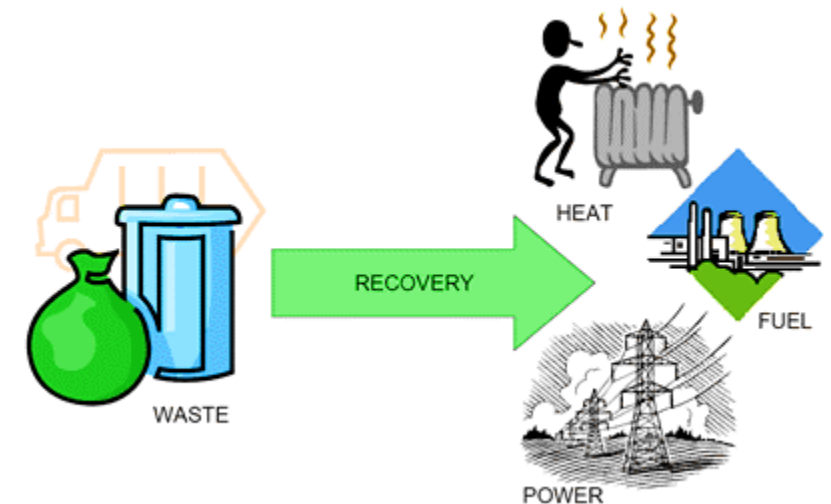
- a) **Liquid Waste**
- b) **Solid Rubbish**
- c) **Organic Waste**
- d) **Recyclable Rubbish**
- e) **Hazardous Waste.**

# Waste Management Technique

4Rs (waste prevention techniques ):

- 1) **Reduce** ("Reduce" means using fewer resources in the first place)
- 2) **Reuse** (Before disposing or recycling of anything, it should be considered for reuse)
- 3) **Recycling** (Process to change materials i.e waste into new products)
- 4) **Recovery.** (To convert waste into resources)

Reduce, **R**euse and **R**ecycling are known in the industry as the **3Rs**.



# Green Culture



**Green Culture may be defined as a lifestyle of making deliberate choice and decisions regarding the resources used for daily living for the purpose of minimizing resources used or to use resources that are renewable.**

## **Suggestions for integrating Green Culture**

- ✓ **Discourage the use of plastic bottles**
- ✓ **Encourage the use of reusable ones that can be washed out and used again**
- ✓ **Encourage the use of recycled paper.**
- ✓ **Encourage the use of biodegradable products as much as possible.**
- ✓ **Encourage the use of green plastic**

# Approaches to Sustainability of Greening TVET Institutions

## The Five Approaches to Sustainability in Greening TVET:

1. Greening the campus

2. Greening the Curriculum and Training

3. Greening Research

4. Greening the Community and the Workplace

5. Greening Institutional Culture

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1



2



3



4



5

## Obstacles in Greening TVET

The main obstacles in greening TVET and/or advancing the greening TVET are as follows:

1. Lack of knowledge and/or technical capacity on how to green TVET;
2. Lack of funds;
3. Lack of information regarding the knowledge, skills and competences required for green jobs;
4. Weak coordination between ministries in charge of TVET; and
5. Lack of interest/support among policymakers, TVET institutions and/or other stakeholders.





The man who asks a question is a fool for a minute, the man who does not ask is a fool for life - - - - Confucius



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