



Planning Prosperity Together

# Greening TVET for Sustainable Development

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# Presentation Outlines

- Introduction
- SDGs
- Greening TVET and Green Jobs
- TVET and Sustainability
- Paradigm Shift in TVET
- Recommendations



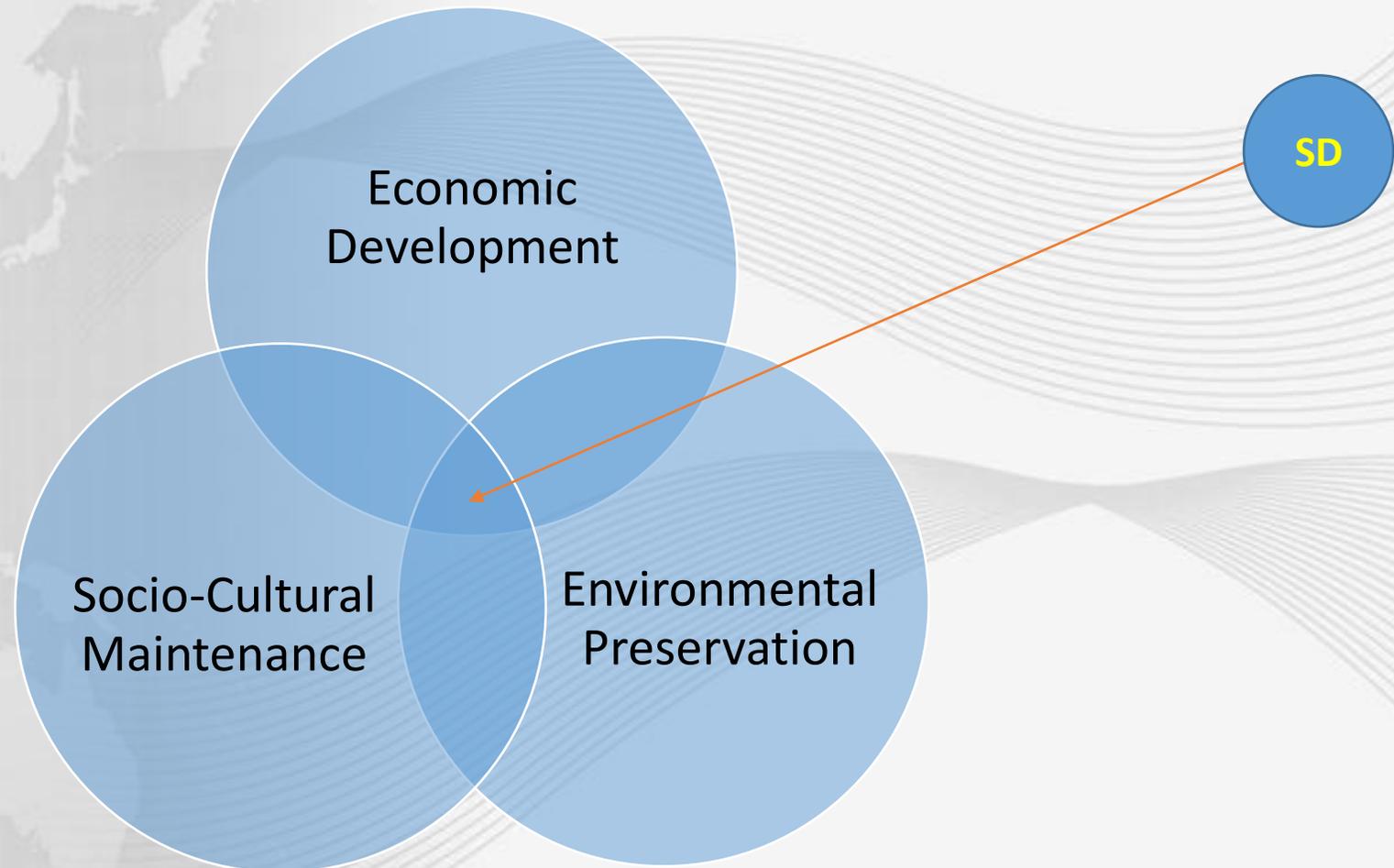
# Sustainable Development

- **“Sustainable development is the pathway to the future we want for all. It offers a framework to generate economic growth, achieve social justice, exercise environmental stewardship and strengthen governance”.**

-Ban Ki-moon

- *Sustainable Development is a development that meets the needs of the present without compromising the ability of the future generations to meet their own needs.*

# Sustainable Development



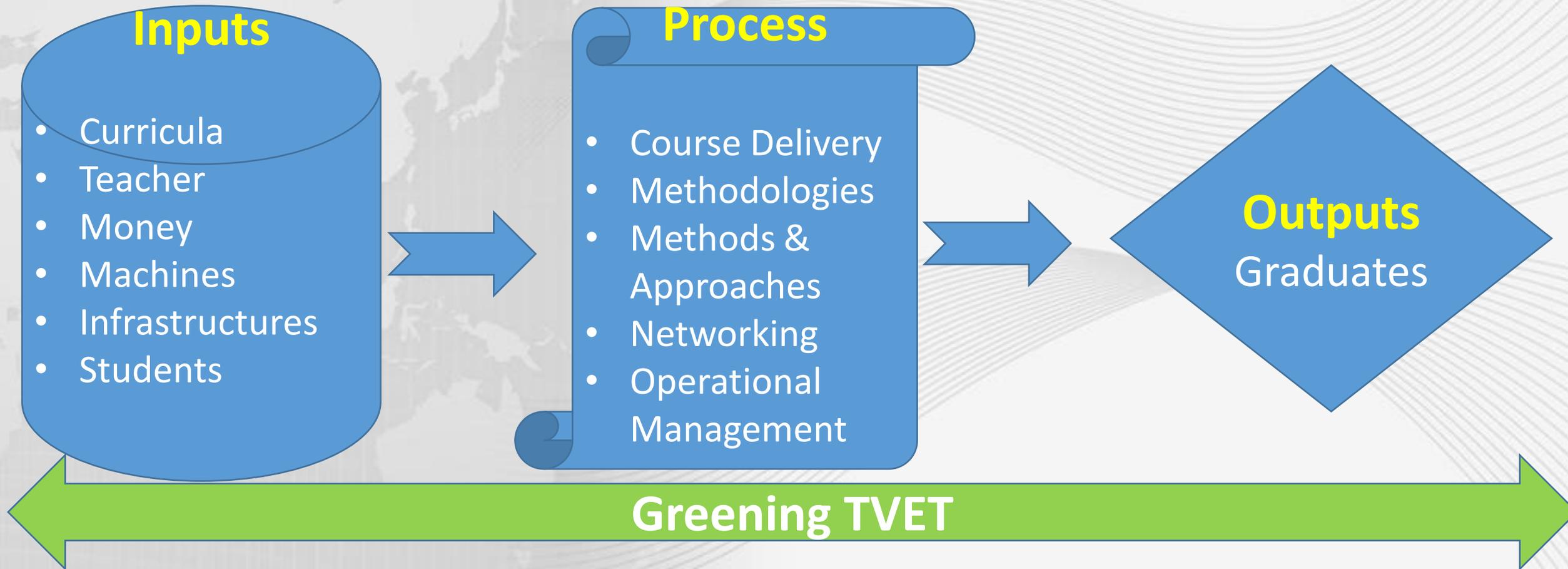
# What is Green Skills?

- The **Green Skills Agreement** defines **skills** for sustainability as "**Skills for sustainability, also known as green skills**, are the technical **skills**, knowledge, values and attitudes needed in the workforce to develop and support sustainable social, economic and environmental outcomes in business, industry and the ...



# What is Greening TVET?

It is a continuous efforts in the TVET system to produce graduates with green skills.



# Green Jobs/Occupations?

- contributes to **preserving or restoring environmental quality** in that sector and allowing for sustainable development (ILO, 2011).
- help **protect ecosystems and biodiversity**;
- **reduce energy, materials, and water consumption** through high efficiency strategies;
- **de-carbonize the economy**; and
- **minimize (or altogether avoid) generation of all forms of waste and pollution.**



# Sustainable Development Goals (SDGs)



## SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



Figure 1: UN's Sustainable Development Goals

# Sustainable Development Goals (SDGs)



# The Paris Agreement

In the UNFCCC 21st Conference of Parties (COP21) in Paris, countries adopted a historic international climate agreement to **strengthen the global response to climate change in the context of sustainable development ...** (UNFCCC, Dec 2015).



# Education for Sustainable Development and TVET

- The ESD concept was coined by UNESCO as a way to integrate the pillars of education with the common practices in promoting sustainable development.
- ESD promotes a sense of both local and global responsibility
- TVET curriculum towards the “6R” principles of: **Reuse, Reduce, Renew, Recycle, Repair and Rethink**

# TVET is heading towards sustainability

1. a change of the **“business as usual” approach to “sustainable development approach”** through the wise and practical usage of resources,
1. **economic sustainability** which requires a different and wider set of **economic related knowledge skill and attitude** for production, management and consumption of goods and services and
2. **social sustainability**, which involves ensuring that the **basic needs** of people regardless of classification are satisfied.

# Building an educational response that supports better planning for Greening Work

A more clear approach to look at green work

Sector studies that investigate the greening of work at micro levels

Realistic picture of employer led /organizational demand for green work

Improved and more consistent information on green occupations

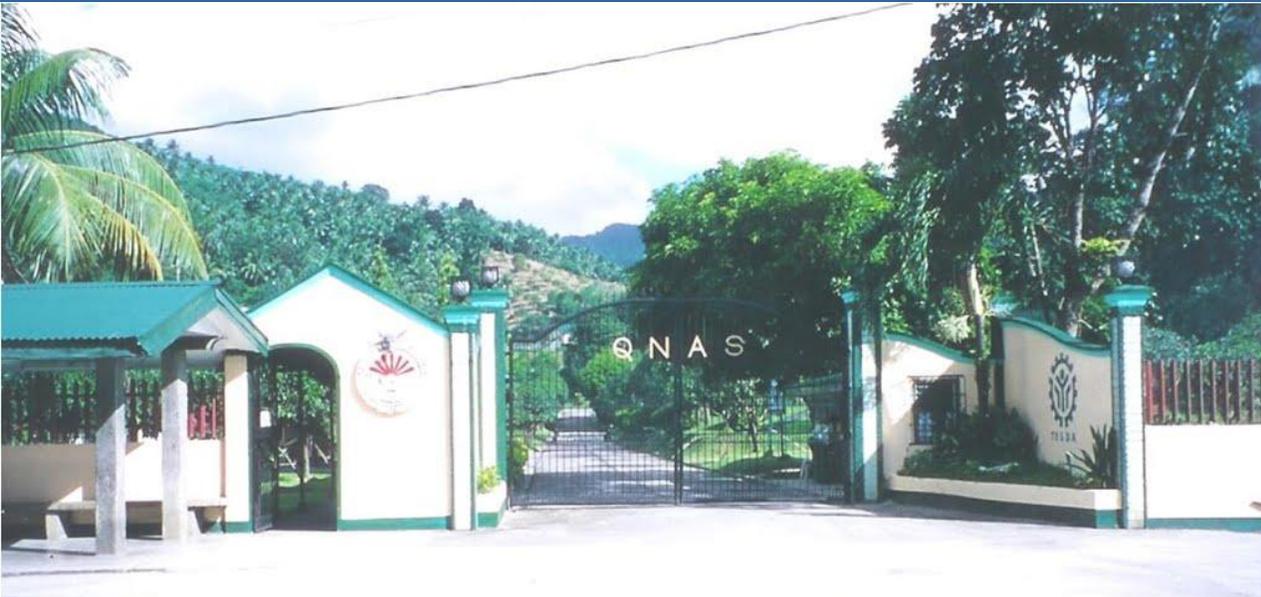
# Green Skills Specialization in an Occupation



# Five Pillars for Greening TVET



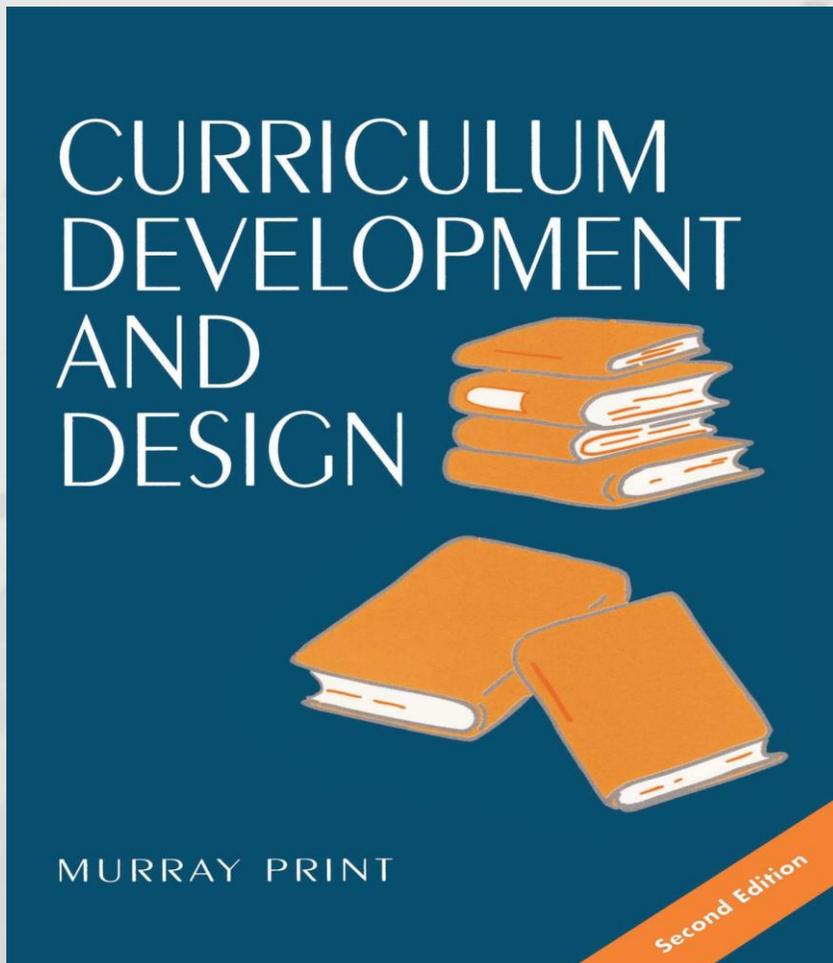
# Green Campus



Managing  
Campus

- Energy Management
- Water Management
- Waste Management
- Pollution Control

# Green Curriculum



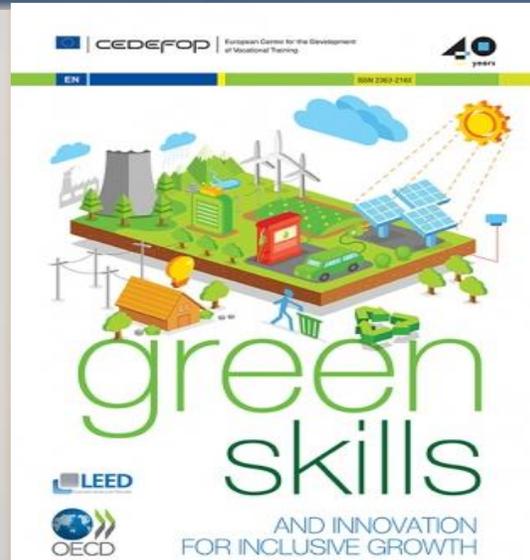
- Green Technology
- Clean Technology
- Green Skills
- ESD Programs

# Green Community



- Capacity Building
- Renewable Technology
- Outreach Program
- Resource Support
- Unique Practices

# Green Research



- Renewable Energy
- Water Treatment
- Waste Recycling
- Green Innovations

# Green Culture



**NO PLASTIC**



Green Values  
Green Attitude  
Green Ethics  
Green Practices

# Therefore, need Paradigm Shift in TVET

## TVET

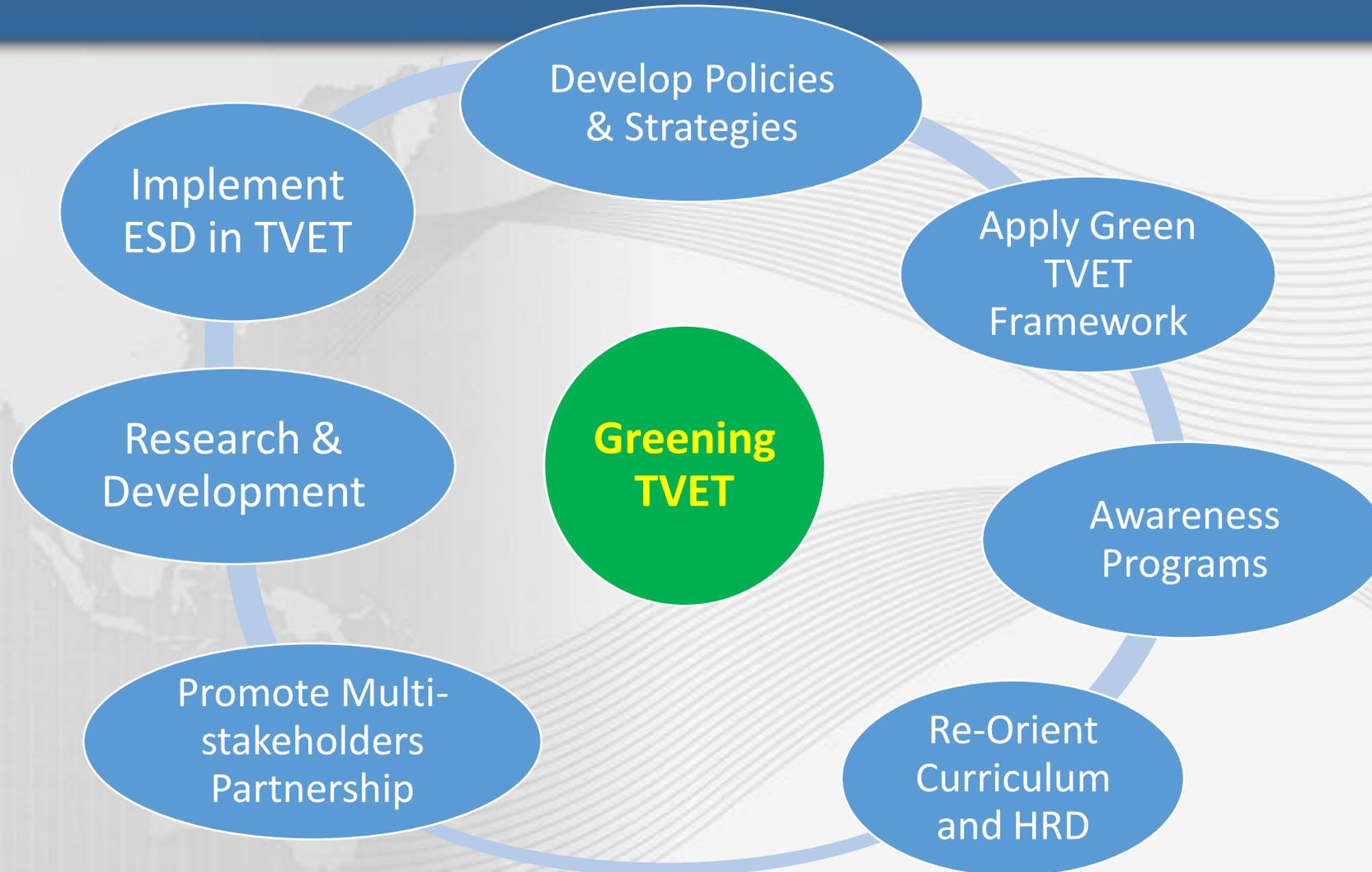
- Knowledge
- Skills
- Attitude



## Greening TVET

- Knowledge
- Skills
- Attitude with 6R  
**Reuse, Reduce,  
Renew, Recycle,  
Repair and Rethink**

# Recommendations



# Concluding Message

I don't want to  
**PROTECT**  
the environment



I want to create  
a world where  
**THE ENVIRONMENT** doesn't  
need protecting

# Thank You!

