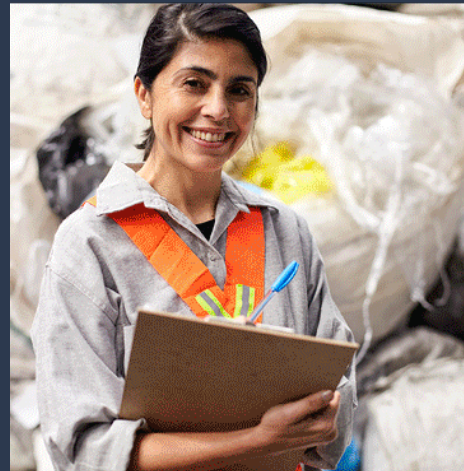




# Our World, Our Work

Asia Partners Meeting  
April 24-27, 2023





Our goal is for **one million** young people (60% young women) between the ages of 18 to 30 to be employed or self-employed in decent, inclusive, sustainable green and blue jobs over the next 10 years.

# Defining Green and Blue Jobs

“Jobs that **reduce the consumption** of energy, raw materials, **limit greenhouse gas emissions, minimize waste and pollution, protect and/or restore ecosystems**, and enable enterprises and communities to **adapt to change**.”

- The work these sectors generate must be decent.
- Green jobs can be found in any economic sector
- Many governments have prioritized certain sectors for their ability to reduce emissions or as part of their climate change or green jobs strategies.
- **Blue jobs** are a subset of green jobs that focus on bodies of water (lakes, rivers, oceans) and water resources and ecosystems (ex. Fisheries)

# Two Pathways

## Jobs in Green/Blue Sub-Sectors:

Preparing youth for wage or self-employment in emerging green or blue industries.

### Examples:

- renewable energy
- circularity and recycling of waste

## Green/Blue jobs in 'Traditional' Sectors:

Supporting youth to adopt practices and technologies that reduce climate or environmental impacts.

### Examples:

#### Hospitality

- Greening restaurants, hotels, tourism

#### Manufacturing

- Understanding carbon footprint
- Reducing waste
- Increasing energy efficiency





# One Geographic Focus: **SE Asia**





Nitat Termmee / Moment via Getty Images



**Four gaps**  
hinder a just  
transition to the  
green & blue  
economy

# Implementation, Information, Skills, & Coordination Gaps



## Implementation Gap

National policy, but little action in local economy



## Information Gap

1. Lack of local data on demand trends for green & blue labor, growth sectors, & skills requirements
2. Actors lack awareness of environmental issues & green economy



## Skills Gap

Lack of training for youth on green & blue skills, as well as foundational & 21st century skills



## Coordination Gap

Little coordination between government, private sector, youth, & training institutions to assess labor market & training needs







## Working with partners, EDC addresses these gaps, taking a systems approach

 <b>Implementation Gap</b>	 <ul style="list-style-type: none"><li>• Work with private sector business support services and local governments to translate policies into business incentives for investment &amp; employment in green economy</li></ul>	Access to finance, technical assistance, technology for MSME businesses
 <b>Information Gap</b>	 <ul style="list-style-type: none"><li>• Conduct local labor market assessments in green &amp; blue economy</li><li>• Detailed research on local trends, growth sectors and skills requirements</li><li>• Increase understanding of sustainable development</li></ul>	Local labor market information & trends  Understanding of green economy





## Working with partners, EDC addresses these gaps, taking a systems approach

 <b>Skills Gap</b>	 <ul style="list-style-type: none"><li>• Improve capacity of local training institutions</li><li>• Work w/ national education system to embed work-based learning</li><li>• Design training curricula on green, blue and 21st century skills</li><li>• Train youth for green &amp; blue economy</li><li>• Connect youth with employers</li></ul>	Training & capacity building;  Skills & employment for youth
 <b>Coordination Gap</b>	 <ul style="list-style-type: none"><li>• Introduce policies which enable coordination across key actors</li><li>• Convene government, training institutions, private sector and youth to identify key labor &amp; skills needs</li><li>• Map investment and national development priorities</li><li>• Identify steps to unlock sector growth&amp; youth employment</li></ul>	Youth build relationships with employers  Alignment among actors supports growth

# Understanding the Implementation Gap

- Nearly all governments have committed to Nationally Determined Contributions for greenhouse gas reductions under the Paris Climate Accord (2015)
- Many have enacted laws on renewable energy and other areas to meet these goals.
- Yet national legislation and policies often do not translate into incentives or an enabling environment for businesses and households to act sustainably

## EDC & partners help governments & businesses overcome implementation barriers:

- Strategic advice
- Access to finance
- Green & blue technical assistance
- Implementing sustainable practices



Businesses grow & become more sustainable, creating more green & blue jobs





# EDC Tools & Expertise



# EDC has conducted extensive research on the green and blue economy

- Global **supply and demand trends** in labor market
- Hottest **growth sectors** for green and blue jobs
- **Barriers** to developing the green/blue economy
- Detailed analysis of **high growth, green/blue sectors in SE Asia**





# EDC is developing tools to help businesses, government & youth

- **Heat Map** of employment by sector: renewables, agriculture, green building, waste management, trade & hospitality
- **Occupational catalog** with hundreds of jobs by sector & skill level
- **Technical assistance** for businesses to **green** their **operations** and assess carbon footprint
- **Local labor market assessments** linking businesses and youth
- **Climate change modules** for our signature Work Ready Now! Curriculum
- **Market.able app to help young entrepreneurs** develop green & blue businesses

## Heat Map for Green and Blue Jobs for Youth in Low & Middle Income Countries (LMICs)

Sector Name	Sector Growth Potential	Employment Potential	Jobs for Youth	Gender Inclusion	Skills	Youth Inclusion
Renewable Energy	High	High	High	Medium	Medium	Medium
Construction	High	High	High	Low	Medium	Medium
Agriculture	High	High	Medium	Medium	Medium	Medium
Waste Management	High	Medium	High	High	High	Medium
Hospitality & Tourism	Medium	Medium	High	Medium	Medium	Medium

Opportunity Level:

High
  Medium
  Low

# Key Takeaways from the Sectoral Heat Map for LMICs

Sectors with the **greatest potential for blue and green job growth** in LMICs are:



**Renewables**





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**Construction**

- Growing quickly in terms of investment & revenues
- High employment potential
- Relatively youth inclusive
- Construction sector still needs to improve gender inclusivity
- Agriculture & waste management are also promising sectors for blue & green job growth

# Green and Blue Occupational Catalog

SECTOR	Number of Different Occupations by Skill Level			
Youth Skill/ Education Required	On the Job/TVET	Apprenticeship/TVET	Associate's/ Bachelors Degree	Masters Degree/PhD
 <p>Renewables</p>	43	8	48	39
 <p>Construction</p>	10	9	7	5
 <p>Waste Management</p>	13	8	42	20
 <p>Agriculture</p>	21	17	26	12

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• Photovoltaic Installer
 • Site Assessor
 • Electrical Repairer
 • Operating Engineer
 • Electrician
 • Plumber
 • Equipment Operator
 • Carpenter



# The Green & Blue Occupational Catalog

*“What jobs in green construction are available to someone with a TVET degree?”*

EDC's **Green & Blue Occupational Catalog** is a vast database of the different jobs available in the fastest growing blue and green sectors globally:

- renewable energy
- green construction
- waste management
- agriculture

Over 270 occupations are categorized according to sector and skill level required.

The Catalog is a **valuable resource for governments, education institutions, businesses, and youth** as they consider their labor and workforce development training needs.

# Technical Assistance for SMEs to become greener

## *An opportunity for youth employment & entrepreneurship*

**EDC can play a role, with partners, in preparing youth to offer these services**

### **Helping companies measure their carbon footprint**

- Training
- Technical assistance
- Measuring Scope 1, 2, 3 emissions

### **Identify possible improvements & set targets:**

- Reduce energy use
- Convert to renewable energy
- Reduce waste
- Limit water usage
- Promote circularity throughout value chain

### **Assist SMEs to measure and report their progress**

- ESG standards & verification
- Certification – green labeling
- Documenting net zero progress
- Communicating green actions

# Many small companies lack technical expertise on how to make their business more sustainable.

A first step can be measuring and understanding current emissions

## Measuring 3 types of greenhouse gas emissions:

- **Scope 1** – Emissions generated directly by the company – in its own production processes or by its vehicle fleet, for example
- **Scope 2** – Indirect emissions from purchased energy
- **Scope 3** – Emissions generated in a company's supply chain – the sum total of all emissions generated in the production of its inputs

EDC can help companies measure their baseline emissions and then set targets and take steps to reduce them – potentially creating both savings and jobs

# 3 Types of Labor Market Assessments



## National

**Local economists, government and other experts assess labor demand across sectors.**

- Deep dive into sectors
- Labor supply & demand
- Skills needs
- Bottlenecks to growth



## Regional/Local

**EDC partners, government & training institutions assess labor market needs.**

- Identify specific regional & local growth areas
- Tailor training to labor demand
- Connections for youth with employers



## Youth Led

**Opportunities & constraints for employment and self-employment.**

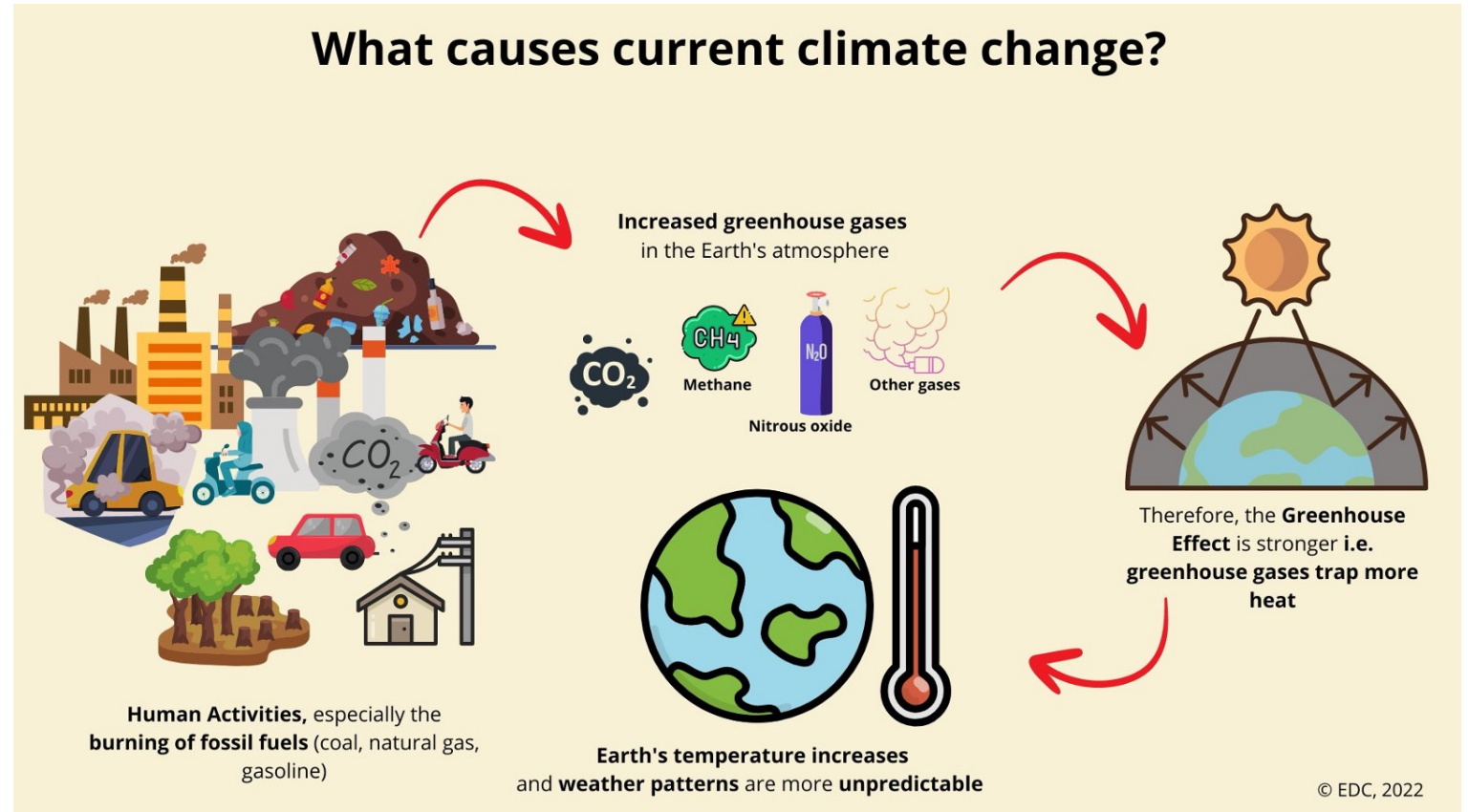
- Qualitative & quantitative assessments
- In person surveys
- Livelihood & gender strategies
- Private sector engagement
- Youth gain key insights



# Blue & Green Economy Module

## *Adds to Work Ready Now! curriculum*

- Youth further understand the environment & climate change
- Identify green & blue jobs in their communities
- Incorporate blue & green practices in their daily lives, businesses, & community projects



# Market!able

Youth Entrepreneurship App

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- ✦ A youth-focused app that guides entrepreneurs to understand **market opportunities** & apply **business management skills** in the real world

# EDC takes a systems approach to growing green & blue jobs for youth with jobs

**Address both supply and demand-side barriers to unlock growth and employment**

## **Outcomes:**

- Businesses expand and become greener
- Youth gain green & blue skills
- Greater youth employment
- Catalyze green/blue youth entrepreneurship
- Better environmental results

➔ **Sustainable development – economy, environment, equity**



# Youth Profiles





**Fajar Kelano,**  
**Entrepreneur**  
**CEO, Banoo Indonesia**

Banoo Indonesia, a young start-up company, has developed a technology to improve water quality for small-scale fishing.

New technology is making traditional economic sectors more appealing for youth. Banoo employs 15 youth and is planning to hire more.







**Stephine Pantilgan,**  
**Entrepreneur**  
**Philippines**

Stephine's business uses black soldier fly larvae to consume community waste. Fly larvae produce organic fertilizer that he and his 15-member youth team sell locally.

Stephine has received training on fly rearing, supply chain management and waste collection through EDC's Racial & Environmental Justice project.



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# Thank you

Visit **edc.org** to learn more about EDC's work  
and explore our free resources!

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