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
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

<table>
<thead>
<tr>
<th>Implementation Gap</th>
<th>Information Gap</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Work with private sector business support services and local governments to translate policies into business incentives for investment &amp; employment in green economy</td>
<td>• Conduct local labor market assessments in green &amp; blue economy</td>
</tr>
<tr>
<td></td>
<td>• Detailed research on local trends, growth sectors and skills requirements</td>
</tr>
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<td></td>
<td>• Increase understanding of sustainable development</td>
</tr>
<tr>
<td></td>
<td>Access to finance, technical assistance, technology for MSME businesses</td>
</tr>
<tr>
<td></td>
<td>Local labor market information &amp; trends</td>
</tr>
<tr>
<td></td>
<td>Understanding of green economy</td>
</tr>
<tr>
<td>Skills Gap</td>
<td>Coordination Gap</td>
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<td>------------</td>
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</tr>
</tbody>
</table>
| - Improve capacity of local training institutions  
  - Work w/ national education system to embed work-based learning  
  - Design training curricula on green, blue and 21st century skills  
  - Train youth for green & blue economy  
  - Connect youth with employers | - Introduce policies which enable coordination across key actors  
  - Convene government, training institutions, private sector and youth to identify key labor & skills needs  
  - Map investment and national development priorities  
  - Identify steps to unlock sector growth & youth employment |

Training & capacity building;  
Skills & employment for youth  
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
<table>
<thead>
<tr>
<th>Sector Name</th>
<th>Sector Growth Potential</th>
<th>Employment Potential</th>
<th>Jobs for Youth</th>
<th>Gender Inclusion</th>
<th>Skills</th>
<th>Youth Inclusion</th>
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</thead>
<tbody>
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<td>Renewable Energy</td>
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<td>High</td>
<td>High</td>
<td>Medium</td>
<td>Medium</td>
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<tr>
<td>Construction</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Low</td>
<td>Medium</td>
<td>Medium</td>
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<tr>
<td>Agriculture</td>
<td>High</td>
<td>High</td>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
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<tr>
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<td>Medium</td>
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<td>High</td>
<td>High</td>
<td>Medium</td>
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<tr>
<td>Hospitality &amp; Tourism</td>
<td>Medium</td>
<td>Medium</td>
<td>High</td>
<td>Medium</td>
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<td>Medium</td>
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</table>

**Opportunity Level:**

- **High**
- **Medium**
- **Low**

*Our World Our Work 14*
Key Takeaways from the Sectoral Heat Map for LMICs

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

- 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

<table>
<thead>
<tr>
<th>SECTOR</th>
<th>Number of Different Occupations by Skill Level</th>
<th>Youth Skill/ Education Required</th>
<th>On the Job/TVET</th>
<th>Apprenticeship/TVET</th>
<th>Associate’s/ Bachelors Degree</th>
<th>Masters Degree/PhD</th>
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<tr>
<td><strong>Renewables</strong></td>
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<td>![Photovoltaic Installer icon]</td>
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<td>![Electrical Repairer icon]</td>
<td>![Operating Engineer icon]</td>
<td>![Plumber icon]</td>
<td>![Equipment Operator icon]</td>
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<td>![Carpenter icon]</td>
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<td>![Masters Degree/PhD Icon]</td>
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<tr>
<td><strong>Construction</strong></td>
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<td>![Construction Icon]</td>
<td>10</td>
<td>9</td>
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<td>5</td>
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<tr>
<td><strong>Waste Management</strong></td>
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<td>42</td>
<td>20</td>
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<tr>
<td><strong>Agriculture</strong></td>
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<td>17</td>
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</table>
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

<table>
<thead>
<tr>
<th>National</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local economists, government and other experts assess labor demand across sectors.</td>
</tr>
<tr>
<td>• Deep dive into sectors</td>
</tr>
<tr>
<td>• Labor supply &amp; demand</td>
</tr>
<tr>
<td>• Skills needs</td>
</tr>
<tr>
<td>• Bottlenecks to growth</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regional/Local</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC partners, government &amp; training institutions assess labor market needs.</td>
</tr>
<tr>
<td>• Identify specific regional &amp; local growth areas</td>
</tr>
<tr>
<td>• Tailor training to labor demand</td>
</tr>
<tr>
<td>• Connections for youth with employers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Youth Led</th>
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</thead>
<tbody>
<tr>
<td>Opportunities &amp; constraints for employment and self-employment.</td>
</tr>
<tr>
<td>• Qualitative &amp; quantitative assessments</td>
</tr>
<tr>
<td>• In person surveys</td>
</tr>
<tr>
<td>• Livelihood &amp; gender strategies</td>
</tr>
<tr>
<td>• Private sector engagement</td>
</tr>
<tr>
<td>• Youth gain key insights</td>
</tr>
</tbody>
</table>
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
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
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’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.
Thank you

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

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