



Where are the **Green Jobs** for Youth?

Expanding **Green Labor**
Market Information for
Youth Workforce
Development
System Resilience



Cover photos clockwise from top left: USAID/ICYD, Uganda /Esther Nsapu; USAID Philippines Opportunity 2.0/Lisa Marie David; EDC Senegal/Raymond Diop; USAID DRC-IYDA/Esther Nsapu; Community Empowerment for Racial and Environmental Justice Project; USAID Youth Advance, Liberia/Caitlin Flynn

The Green Transition is driving job growth and revolutionizing the future of work.

69

million jobs will be created in the next **five** years, driven by new technologies and the green economy.

18 million new jobs from the shift to clean energy

7 million new jobs in the circular economy

The Future of Jobs Report, 2023, World Economic Forum

Young people, women, and other marginalized groups need the right skills and assets to be able take advantage of these opportunities.

Education systems need to take the lead in preparing them for this transition.

Without changes in education and skilling systems, the world will not have the workforce it needs to meet its net-zero targets, and marginalized groups will fall further behind.



Where exactly are these green job opportunities, and what are the skills and assets that youth need to access them?



EDC has responded to this information gap with a series of
Green Labor Market Assessments

SENEGAL

LIBERIA

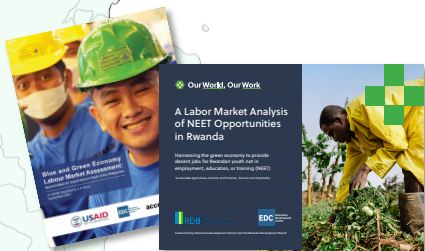
DJIBOUTI

RWANDA

VIETNAM

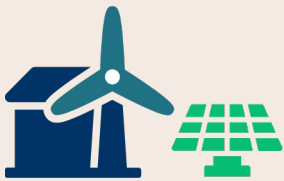
PHILIPPINES

THAILAND
INDONESIA



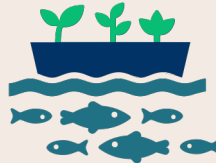
EDC's labor market assessments revealed growing green job opportunities for youth in **5** key sectors.

RENEWABLE
ENERGY



GREEN BUILDINGS

CLIMATE-SMART
AGRICULTURE
AND FISHERIES



SUSTAINABLE TOURISM
AND HOSPITALITY

WASTE
MANAGEMENT



The labor market assessments identified the potential for youth-inclusive green jobs by sector, according to skill level.

Sector Name	Potential to Accelerate NDCs	Sector Growth Potential	Employment Potential	Jobs for Youth	Gender Inclusion	Skills	Youth Inclusion
Renewable Energy	High	High	High	High	Medium	Medium	Medium
Agriculture and Fisheries	High	High	High	Medium	Medium	Medium	Medium
Green Construction	Medium	High	High	High	Low	Medium	Medium
Waste Management	Medium	High	Medium	High	High	High	Medium
Hospitality & Tourism	Low	Medium	Medium	High	Medium	Medium	Medium

The sectors with the greatest near-term potential for green and blue job growth for youth are:

- 1. Renewable Energy** and
- 2. Climate Smart Agriculture and Fisheries**

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Green Construction	Medium	High	High	High	Low	Medium	Medium
Waste Management	Medium	High	Medium	High	High	High	Medium
Hospitality & Tourism	Low	Medium	Medium	High	Medium	Medium	Medium

We found over **270** high potential youth-inclusive occupations across the key sectors, and this list continues to grow.

Green and Blue Occupational Catalogue

Sector Name	Number of Different Occupations by Skill Level			
Youth Skill/Education Required	Low- to Semi-Skilled TVET Certification	Semi- to High-Skilled TVET Certification	Associate's/Bachelors Degree	Masters Degree/PhD
Renewable Energy	43	7	48	39
Agriculture and Fisheries	13	8	42	20
Green Construction	10	9	7	5
Waste Management	21	17	26	12

The occupational catalogue maps the types of jobs available against their skills requirements.

For example, in the Renewable Energy sector, there are **7** different direct green jobs requiring a semi-skilled to high-skilled TVET Certificate.

Green and Blue Occupational Catalogue

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	Low- to Semi-Skilled TVET Certification	Semi- to High-Skilled TVET Certification
Renewable Energy	43	7
Agriculture and Fisheries	13	8
Green Construction	10	9
Waste Management	21	17

1. Photovoltaic Installer
2. Site Assessor
3. Electrical Repairer
4. Operating Engineer
5. Electrician
6. Equipment Operator
7. Carpenter

How is green labor market information impacting youth training and employment?

Case Studies



Rwanda



Philippines



Senegal

CASE STUDY: RWANDA

The government prioritizes protection and cultivation of river- and lake-area buffer zones to address climate-related flooding.

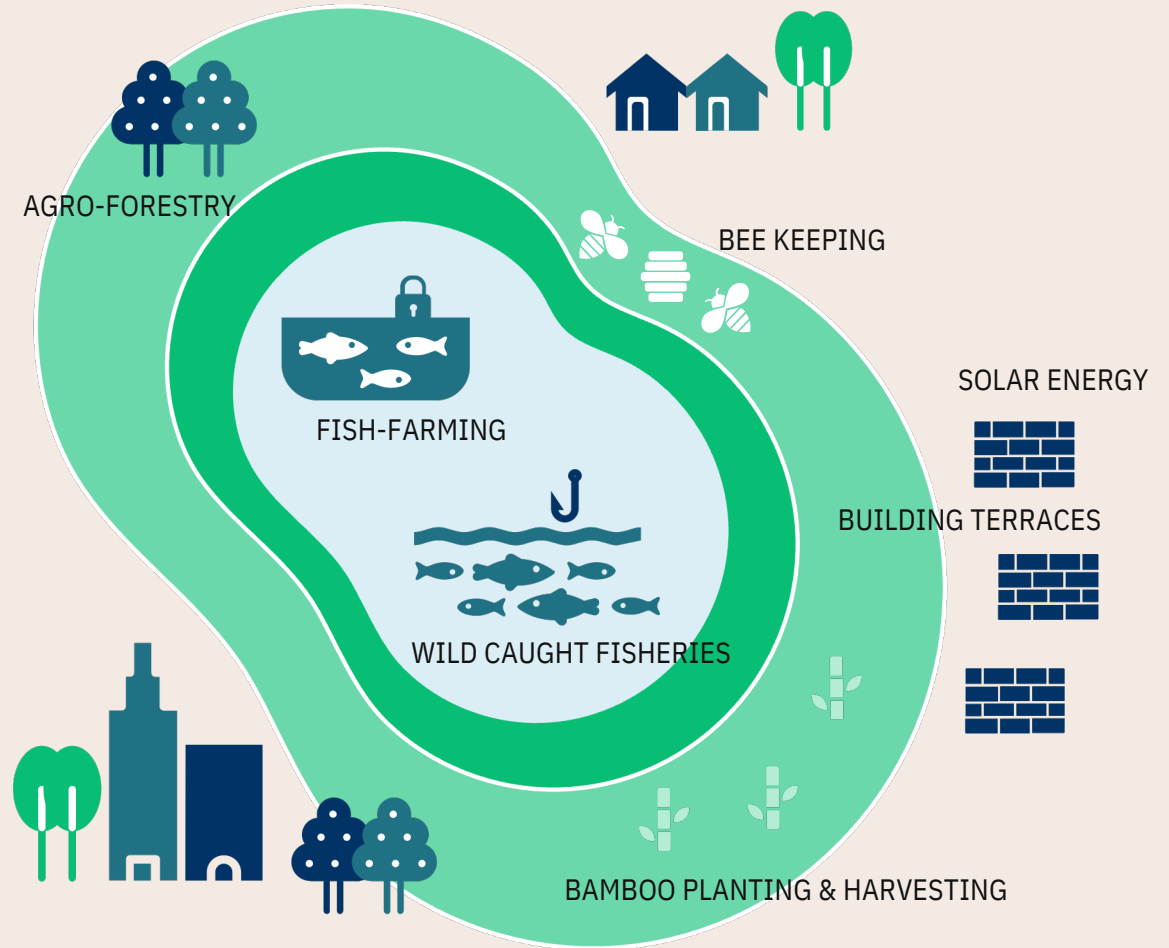
35,000

green job opportunities
for youth



CASE STUDY: RWANDA

Buffer zones provide green job opportunities for youth in **multiple sectors**



CASE STUDY: SENEGAL

Innovations in **climate smart agriculture** can boost women's economic opportunity

- Senegalese women utilize climate-smart technologies.
- Agro-processing offers higher returns
- Hydroponics and aquaponics are accessible for women without land.
- Networks and funding sources support women in Senegal's agricultural sector

APTE-Senegal Project Mastercard Foundation



CASE STUDY: PHILIPPINES

The **manufacturing** sector is increasingly going green.

- Green packaging manufacturing
- Chemicals and food manufacturing
- Textiles sector
- Maintenance mechanics
- Industrial automation technicians
- Chemical process operators



CASE STUDY: PHILIPPINES

Meet Stephine Pantilgan

EDC Community Empowerment for Racial and Environmental Justice Project – Bank of America

Stephine and his team of 15 young people successfully demonstrated the viability of using black soldier flies to convert food waste into organic fertilizer.

The local government adopted their model, with plans to scale the operation to process 100 kg of food waste daily (around 35 tonnes per year).

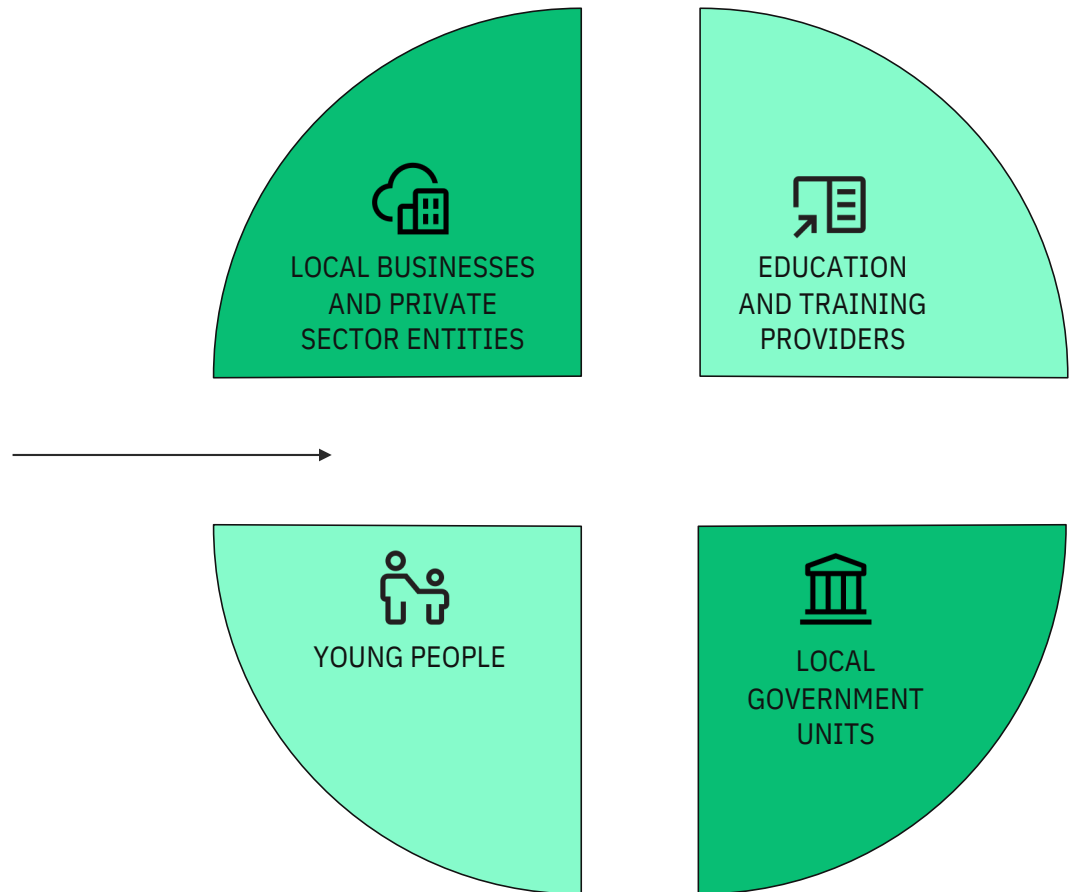


Finding: Green Labor Market Analyses Fill an Important Information Gap

Across all 3 countries, a common theme is **the lack of information** about the green economy—especially at the local level.

The Information Gap

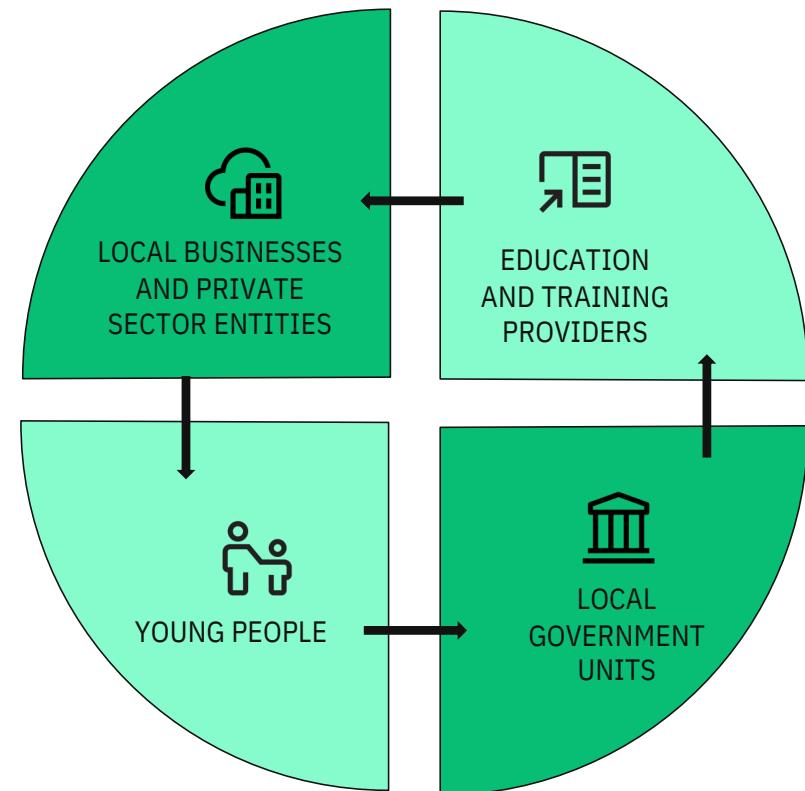
This information gap is fueling a major disconnect between national-level green policies, priorities, and investments, versus the response of education policies and programs at the subnational level.



To translate national climate commitments into action, **local stakeholders need to generate and share** green labor market information relevant to their local economies.

A localized labor market information system relies on regular data collection and information-sharing between:

- education and training providers
- policymakers
- the private sector
- young people





Thank you

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