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# **Green Jobs – an introduction**

## **National Green Jobs Conference**

### **in Bangladesh**

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# Outline



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- 1. Key features of green jobs**
- 2. Green jobs policies**
- 3. Experiences in Asia**
- 4. Options for action**



# 1. Green Jobs – Key features

- **Green jobs address the two defining challenges of the 21<sup>st</sup> century.**
  - **Climate change and other environmental issues**
  - **Creation of millions of jobs and decent work for newcomers to the labor market and eradicate poverty**



# 1. Green Jobs – Key features

- Defined by the ILO/UNEP as: “the direct employment created in economic sectors and activities, which reduces their environmental impact and ultimately brings it down to levels that are sustainable”
- The ILO agenda for Green Jobs promotes a socially fair transition, in which vulnerabilities, changes in the labor market and new business models are addressed through an inclusive social dialogue;





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# 1. Green Jobs - Key features

- All aspects of the environmental agenda, e.g. climate mitigation, but also climate adaptation, biodiversity, desertification, ecosystems management, pollution control, etc.;
- Decent work, quality jobs,
- Just Transition for the World of Work (E+W)
- Gains in environmental performance must be measurable (national standards, voluntary codes, carbon mechanisms, etc.)
- Green Jobs are country specific (country A/B)



# Measuring & monitoring the difference



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| Sector                          | Example of environmental standard/voluntary code                                                                                                                                     |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Organic Agriculture             | <ul style="list-style-type: none"> <li>SNI 01-6729-2002 (Indonesian National Standards) on Organic Food System by National Standardization Agency of Indonesia</li> </ul>            |
| Green Building and Construction | <ul style="list-style-type: none"> <li>SNI 03-6759-2002 (Indonesian National Standards) on Codes for Energy conservation designation of buildings; Green Star (Australia)</li> </ul> |
| Green Finance                   | <ul style="list-style-type: none"> <li>Principles for Responsible Investment (UN- PRI)</li> </ul>                                                                                    |
| Sustainable Fisheries           | <ul style="list-style-type: none"> <li>Sustainable Fisheries Marine Stewardship Council Fishery Standards</li> </ul>                                                                 |
| Sustainable Forestry            | <ul style="list-style-type: none"> <li>Forest Stewardship Council (FSC)</li> </ul>                                                                                                   |
| Manufacturing and Industry      | <ul style="list-style-type: none"> <li>(ISO) 14064 of Greenhouse Gas Accounting and Verification; ISO 50001 Energy Management</li> </ul>                                             |
| Construction                    | <ul style="list-style-type: none"> <li>Example? Sand bags NOT coming from river banks (Bangladesh)</li> </ul>                                                                        |



# Examples of green jobs

## Workers enjoying Decent Work

- Mangrove planter (adaptation to CC)
- Mechanic working on CNG propelled buses
- Manufacturer of fuel efficient car
- Farmer producing organic food
- Municipal waste, E-Waste collector
- Architects and engineers designing renewable technologies and energy efficiency products

Can green jobs be found in the informal sector?

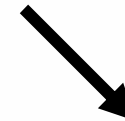




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# 1. Green Jobs – Key features

Labor/social issues



**The core ILS (8)**

OHS standards  
HRD/TVET, etc.

(ILC 2007 conclusions on  
sustainable enterprises )



**Engine of Growth**



**Environment**





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## 2. Green jobs policies

- Promoting Green jobs
  - by enhancing environment friendly sectors and DW (**green jobs** in renewable energy, pollution control, forestry, mass transport, eco-tourism, etc.)
  - Improving the environmental performance and DW in traditional sectors (**greening jobs** in manufacturing, construction, transport, tourism, )
  - Adapting to the effects of climate change (e.g., climate resilient infrastructure, etc.)



## 2. GJ - Building the policy framework



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### **Legislation/Regulation**

Green Jobs Act  
Employment Guarantee Schemes

### **Procurement (labour intensive)**

Retrofitting of public buildings  
Resource based rural/urban  
Infrastructure Development

### **Shifts in Investments**

Green stimulus packages with  
employment targeting  
Social finance for green equipment  
For the poor

### **Skills and employment**

Green jobs observatories  
Youth apprenticeship programs  
For Green Jobs

### **Social protection**

Extended SP (disaster prone areas)  
SP schemes in brown industries  
Linking SP—cash transfers—Green Works

### **Provincial/local initiatives**

Low-carbon cities (linking green skills,  
Entrepreneurship, social finance,)  
PPP (linking TVET, financial institutions,  
technical partner)

### **Social dialogue**

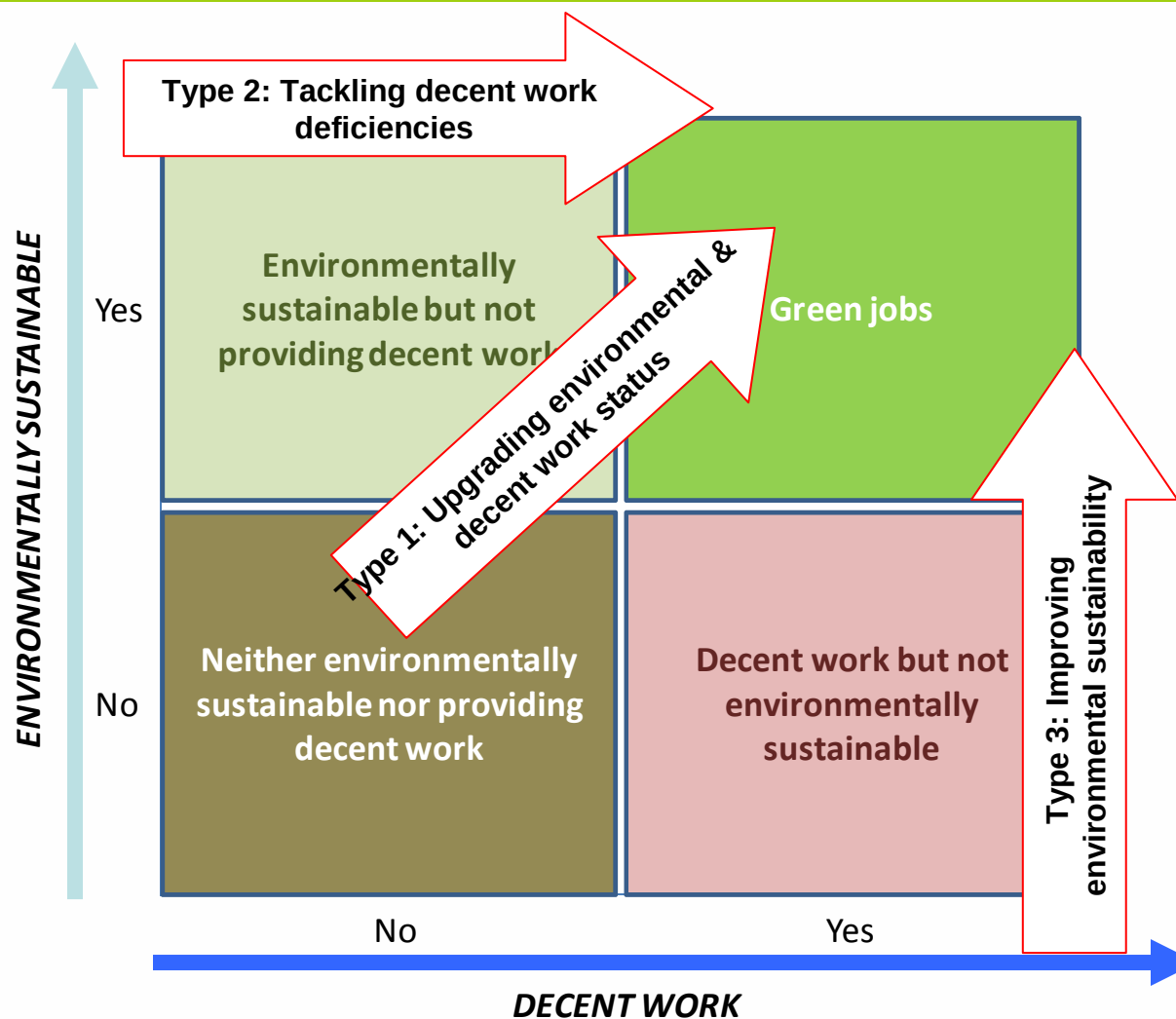
Multi-stakeholders Task Force  
Round tables/Dialogue schemes  
Enlarging Socio-economic forums to  
Environment





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# A journey towards sustainability



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### 3. Green Jobs – Experience in Asia

#### A - Mapping of Green Jobs at national level

- Identify priority environment based sectors
- Assess working conditions
- Produce numbers of green jobs
- Potential for job creation through modelling (I-O, DYSAM)
- Identify opportunities for green jobs
- Bangladesh, Indonesia, Philippines, Malaysia, India, Brazil, South Africa,



### 3. Green Jobs in Bangladesh

## Bangladesh – 3.5 million core environment-related jobs (preliminary research)

| Sectors                                       | Core env-related jobs | Direct 'Green' jobs | Indirect jobs    |
|-----------------------------------------------|-----------------------|---------------------|------------------|
| Sustainable agriculture                       | 41,548                | n.p.                | 47,482           |
| Sustainable and participatory forestry        | 28,813                | n.p.                | 28,121           |
| Sustainable energy                            | 18,823                | 18,823              | 50,561           |
| Waste management and recycling                | 189,180               | n.p.                | 212,753          |
| Collection purification/distribution of water | 8,441                 | n.a.                | n.a.             |
| Climate adaptation activities                 | 1,726,755             | 616,052             | 967,849          |
| Manufacturing and energy efficiency           | 10,934                | 10,934              | 21,472           |
| Sustainable transportation                    | 178,510               | 178,510             | 54,049           |
| Sustainable construction                      | 1,340,000             | 536,000 – 670,000   | 1,416,364        |
| <b>Total</b>                                  | <b>3,543,004</b>      | <b>1,427,319</b>    | <b>2,798,651</b> |

Source: GHK/ILO Study, 2010



### 3. Green Jobs – Experience in Asia

#### B – Green Entrepreneurship

- Start & Improve Your Own Business (SYIB) program (20 million in China - ILO)
- Development of a Green Version for the Recycling Economy & Energy Efficiency
- Pilot testing at provincial level
- Replication in other countries under way (Indonesia, Philippines, etc.)



### 3. Green Jobs – Experience in Asia

#### C – Promoting green skills development

- Competency based training: Indonesia, Sustainable Tourism, based on ASEAN Standards ), Sri Lanka-municipal waste management;
- Green Skills assessment & planning at provincial level (China, energy efficiency and recycling)
- Greening TVET centres activities for green jobs (pilot under REDD+ program, tbc.)





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### 3. Green Jobs – Brazil

#### D – Formalizing informal workers

- 2.65 m formal green jobs (comprising 6.7% of the formal labour market)
- Growing faster than overall labour market
- President Dilma Rousseff objective to formalize 250'000 workers in waste recycling (Feb 2011)
  - Through collective organizations/cooperatives, service contracting arrangements, new installations, fair wages and OSH;



### 3. Green Jobs – Experience in Asia

#### President of Indonesia (ILC 100, June 2011)

- National green skills development strategy
- Youth apprenticeship program for green jobs
- Self-employment and entrepreneurship in the green sector

#### Philippines (preparatory work)

- Green Jobs creation under CC Action Plan (2011)

#### China (preparatory work)

- Guiding Opinions on promoting Green Jobs



## 4. Options for action in Bangladesh

- Renewed political support for a job-centred green growth based development with decent work;

*“There will not be growth anymore if we do not green the growth” High level symposium CSD, Beijing 09 September 2011*

- Share information on initiatives that can generate abundant green employment and decent work (?)

- NREGA (India), ship-breaking facilities (India), training of workers (ACFTU), industry initiatives

*“Going green is not an option. It is about survival”. (job maintenance) Brandix, 25 January 2011, Sri Lanka,*





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## 4. Options for action in Bangladesh

- Large scale green skills development in priority sectors (e.g. renewable energy, energy efficiency, recycling, etc.);
- Social dialogue at policy level and at the work place for green jobs



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# Thank you

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