Facilitating Transition to green economies and sustainable societies

Demand for skills and green jobs in the agricultural/rural sector

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Inclusive and sustainable industry--ISID

Industry is a key driver of development under Agenda 2030 SDG 9. UNIDO promotes industrialization that is

- Socially inclusive
- Environmentally sustainable
- Economically competitive
of the world’s poor live in rural areas

of the MVA typically comes from agro-related enterprises

of the total employment lies in the agricultural sector

of the exports are linked to the agricultural sector
Food

~60%

Loss & Waste

~40%
~40% of all food is wasted

3,3 Gtonnes of CO2

550 bn m3 of water
about 550 bn cubic metres of water are wasted globally in growing crops that never reach the consumer

Waste of land
Uneaten food occupies 1.4 bn hectares of land (30 percent of the world’s agricultural land)

$ 750 bn
huge costs for society; direct economic costs of wastage (excl. fish and seafood and based on producer prices is about USD 750 bn (equivalent to the GDP of Switzerland)

Environmental and Economic Impact of Food Loses
The world around us

- world population will be 9 Billion by 2050
- Food production has to increase by 70%
- Limited land and water resources
- Needs paradigm shift

- Investment requirement $100 Bn per year
- 1.7 billion green employment demand Food Systems 2050 (FAO)
Skills and green jobs in the Agribusiness sector

- Input reduction: water use, fertilizer use etc.
- Green house gas emission limitation: wood drying etc.
- Waste minimization: improved post harvest handling, recycling and by-product utilization
- Ecosystem protection: renewable energy
- Agro-logistics :-
- Etc.......
Initiatives
Skills development in the Integrated Agro-industrial parks

- Rural Transformation Centers
- Production
- Processing
- Trade

- Modern Farm Clusters
- Green Houses
- Livestock farms
- Mushroom Nursery
- Utilities & Services
- FP Zones
- QCL
- Agribusiness Mgt. Trg.
- IT
- Packaging
- Micro finance
- Logistics
- Cold Stores
- Ripening Chambers
- Warehousing
- Waste recycling
- Agro tourism
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Green skills development along the value chain

Add value

Capture value

Collection centers closer to farmers
Industry closer to big urban centers
Common facilities reduced investment
Example: Waste reduction along the wood value chain
Project model for PPP
THANK YOU!