

# Follow up on Recommendations of the EGM on Technology Transfer of April 2011

## Agriculture

Fidele Byiringiro

Productivity Sectors Section

Sustainable Development and Productivity Division



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## SDPD: Overview



### Energy

- Energy efficiency
- Access to modern energy services
- Renewable energies
- Advanced/cleaner fossil fuels
- Rural electrification
- Sustainable energy use in transport

### Water

- Integrated water resource management (IWRM)
- Management of shared water resources
- Improved water supply and sanitation

### Productive Sectors

- Competitiveness and productivity of SMEs
- Environmentally sound technologies
- Sustainable agriculture and rural development
- Trade and environment

### Cross-cutting issues:

- Climate change adaptation and mitigation
- Sustainable consumption and production
  - Green economy

## Previous recommendations

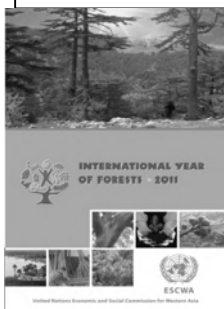


- Spreading knowledge and increasing productivity;
- Technology in the agricultural value chain to improve the marketing of agro-food products;
- Partnerships between local communities and the scientific community (R&D);
- Developing a green economy reference material to provide/assess definitions, impact, etc.
- Developing a regional information system with mapping capability for the region natural resources (water, energy, agriculture).

## Knowledge & productivity



- Institutional framework for sustainable development:
  - Overview & challenges, linking science-education-policy (BRIC experience,
  - Policy recommendations for developing appropriate institutions to support the development of the region;



- Informing about forest resources in the region & recommendations for their sustainability:
  - Importance of forest resources: energy, industry, construction, etc.
  - Recommendations;

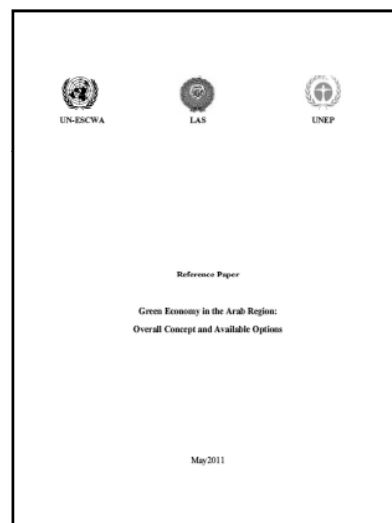
- Enhancing SMEs competitiveness and infrastructure services for rural development:
  - Overview
  - SMEs competitiveness and infrastructure needs
  - Responding to the challenge

# Green economy and agricultural value chains



- Green economy in the Arab region: Overall concept and available options:

- Definition, concept & overview
- Pathways and strategies:
  - strategic public spending/purchasing,
  - promoting investments,
  - restoring natural capital,
  - environmental accountability,
  - R&D & technology transfer,
  - innovative funding,
  - training/capacity building



- Framework for an Arab Green Economy Strategy:  
Would build on previous initiatives (WSSD, T&E and SCP), Arab statement for Rio+20

## GE & agricultural VC (cont'd)



- Economic policies supporting the transition to a green economy in the Arab region
  - Partners: UNEP/ROWA, LAS, Institute of Finance Lebanon, MoF-Lebanon
  - Focus: sustainability, financing & cost to the environment, appropriate incentives, technology, procurement, cooperation
- Green jobs in Lebanon
  - Partner: ILO
  - Green jobs & green SMEs potential: energy, waste management, agriculture and construction
  - Impact of environmental goods and services
  - Way forward

## GE & agricultural VC (cont'd)



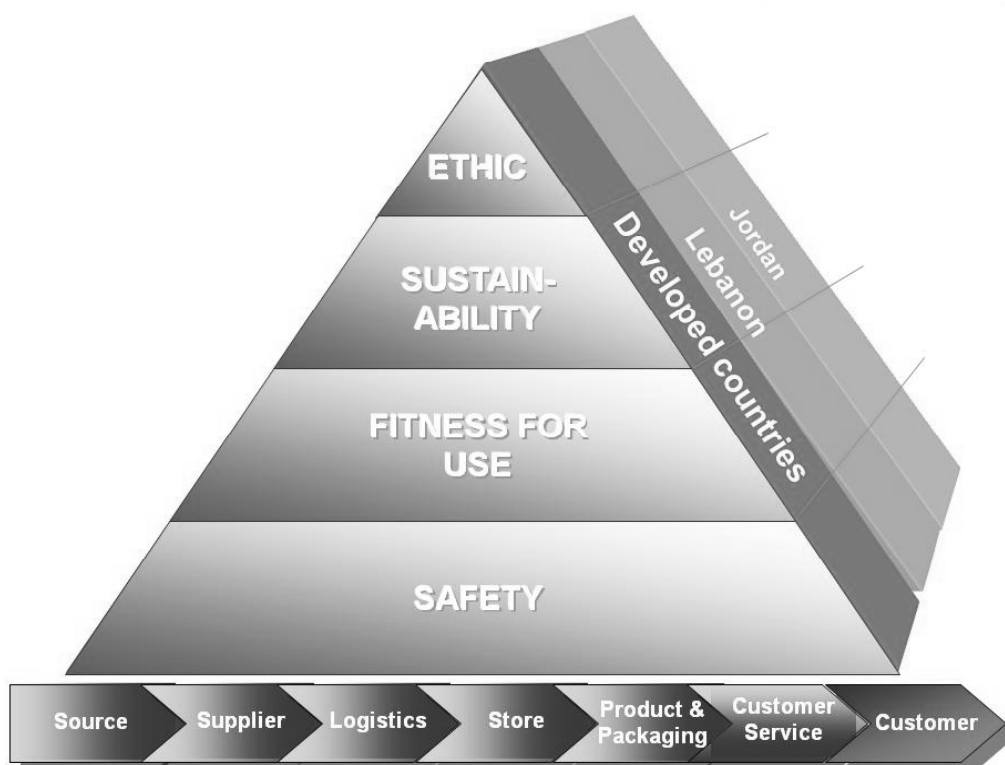
### ➤ Voluntary Sustainability Standards (VSS):



## GE & agricultural VC (cont'd)



### ➤ VSS framework:



## GE & agricultural VC (Cont'd)



- Voluntary Sustainability Standards:
  - Labor rights, fair trade, environmental management, organic production, sustainable development, energy efficiency & carbon and water footprints
  - Raison d'être: Consumer awareness, government gap, differentiation tool
- Future areas of focus
  - Regional assessment
  - Creation of an ArabGAP
  - Supporting stakeholders particularly small farmers & SMEs
- Partners
  - Ministry of Agriculture of Lebanon
  - GIZ

## GE & agricultural VC (Cont'd)



- Green agricultural value chain:
  - Development, improving competitiveness
  - Trends and technological advances & adoption
  - Importance for promoting regional agriculture development and agricultural markets

PROCESS SEQUENCE:  
FROM provision of input  
TO production  
TO transformation  
TO marketing  
TO consumption

INSTITUTIONAL ARRANGEMENT:  
Linking & Coordinating  
producers  
processors  
traders  
distributors

ECONOMIC MODEL:  
Selection of product  
Selection of technology  
Organization of actors  
SO AS TO  
Access markets

Input  
supply

Agricultural  
Production

Handling

Processors

Wholesale/  
distributors

Retailers

consumers

- Upscaling green technology:
  - Partners: SDPD, ETC & others
  - Objective: To mainstream green technologies in order to help address environmental issues and poverty and to create jobs
  - Output: build capacity, strengthen regional technology centers, development of R&D
- Leading the water-energy nexus
  - Aim: To help address environmental issues and poverty
  - Output: Support appropriate institutional framework, build capacity of regional institutions, lead activities towards World Water Day 2014

**Thank you!**

Productive Sectors Section  
Sustainable Development and Productivity Division  
UN-ESCWA  
Tel: +961 1 978 519  
Fax: +961 1 981 510  
Email: [byiringiro@un.org](mailto:byiringiro@un.org)