

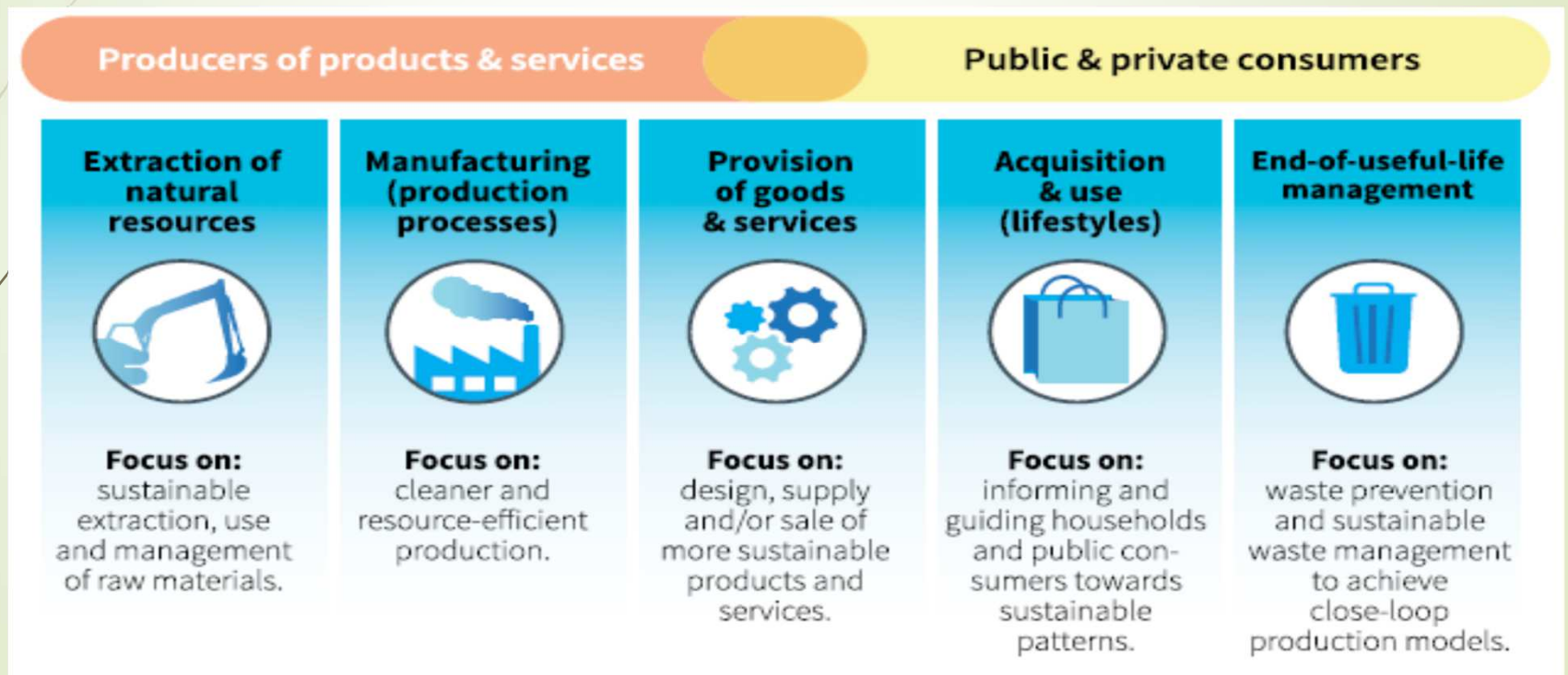


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Decoupling economic growth from
environmental degradation in Lebanon:
Moving from pollution abatement
towards SCP

Lamia Mansour, Environment and Sustainable Development Expert

SCP as a basis for life cycle stages of production and consumption






Systemic and legal framework for SCP in Lebanon

- ▶ 1993. Establishment of the Ministry of Environment
- ▶ 2001. Emission Limit Values for air pollutants and wastewater discharge
- ▶ 2002. Environment Protection Law
- ▶ 2012. Environmental Impact Assessment Decree
- ▶ 2012. Environmental Compliance of industrial and classified establishments
- ▶ 2015. Deadlines for compliance set between 2018 and 2020
- ▶ 2017. Law for the right of access to information
- ▶ 2018. Integrated Solid Waste Management Law
- ▶ 2018. Air Quality Protection Law



Policy and planning for SCP

- ▶ 2005. National Physical Master Plan of the Lebanese Territory
- ▶ 2010. National Water Sector Strategy
- ▶ 2010. Policy Paper for the Electricity Sector
- ▶ 2011. Lebanon's National Energy Efficiency Action Plan
- ▶ 2011. Lebanon's Sustainable Public Procurement Action Plan
- ▶ 2015. SCP Action Plan for the Industrial Sector

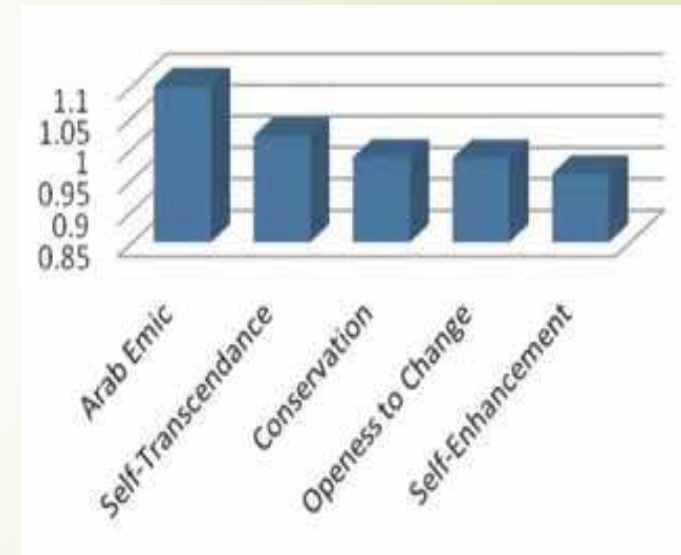


Changing community behavior and adopting environmentally-friendly practices

- Key factors towards the adoption of environmental values :
 1. Top-level management or prominent citizens aware of international thinking about environmental management
 2. Social organizations or local governments that wish to link environmental management to employment generation or the improvement of status of workers
 3. NGO experiments in environmental management responding to internationally-aired environmental values

Changing community behavior and adopting environmentally-friendly practices

- ▶ Lebanese youth holds are of the most educated populations in the Arab region with over 41% holding a university degree.
- ▶ Lebanese youth shows important language proficiency which indicates a substantial amount of cultural variation and diversity.
- ▶ Value hierarchies indicate that Lebanese youth reflects a clear preference for Arab emic values (honor and hospitality) closely followed by values of self-transcendence (benevolence and universalism), which capture strong concern with the well-being of the community and the environment.



2010. Environment Fund for Lebanon



6 Projects

**Abatement of Industrial
Wastewater Pollution**



EFL Funding: 200,000 €
SIDEM: 555,000 €



Waste Water quantity:
1,050 m³/ day
Physical & Chemical treatment



Main Pollutants:
pH, sulphate, aluminium, zinc,
hydrocarbons



EFL Funding: 200,000 €
Pulper S.A.L.: 250,000 €



Waste Water quantity:
150 m³/ day

**Closed Circuit water cooling
system**



Main Pollutants:

Oil, grease and sulfate
contaminants


2013. Policy paper and action plan for industrial wastewater management



2014. Lebanon Environmental Pollution Abatement Project

- ▶ Provides free technical assistance to industries to evaluate their environmental status and propose actions to improve their overall environmental performance in line with the national regulations.
- ▶ A financial mechanism to support industries to execute the recommended environmental actions through concessional loans from commercial banks which are close to 0% interest rate





Transition towards Sustainable Development in Lebanon

- 2015. Solid Waste Crisis in Lebanon mobilized NGOs and local communities to engage in environmental action
- 2015. Lebanon initiated the National Sustainable Development Strategy but did not complete it
- 2018. Lebanon Economic Vision: defining the sectors for economic growth with limited focus on sustainable development
- January 2019. Government Policy Statement called for a National Sustainable Development Strategy
- France established a Roadmap for ecological transition in 2012 and developed the National strategy for ecological transition &SD in 2015



Thank you for your attention

