Resource Efficiency in Industry: Experiences & Perspectives from the Moroccan-German Technical Cooperation
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Key messages

- Resource consumption: Less is more! (competitiveness, GHG mitigation, resources preservation for future generations);

- Finding your own approach and managing stakeholders are crucial

- Set achievable objectives, progress step by step, and adapt your framework conditions
Testing & Promoting RE at 3 industrial levels:

**Micro-level**: companies

**Meso-level**: Industrial Sectors & Industrial Areas

**Macro-level**: framework conditions
Micro-level: companies
Capacity Development, Good House Keeping (GHK) measures, support for investments

- GHK: More than 2.5 Mo € saving in ~ 30 companies via resource efficiency measures

- ~ 3 Mo € Investment in ~ 20 companies (resource saving, recycling, and depollution)
Meso-level 1: Industrial Sectors

References, Capacity development, investment encouragement

- Considerable RE potential in many sectors (Ex. textile SME: annual chemical, water and energy savings ~ 100,000 € per company), waste to energy opportunities (sludges from wastewater units, etc.,)

- Exploitable potential of energy saving in brick-making activity in the Middle and long term: 20% (brick baking) and 60% (drying) – waste to energy possibilities
Meso-level 2: Industrial Areas
Networking, Capacity Development

- An established network of Industrial Areas — Exchanging experiences, stimulating initiatives and policy development

- Implementation of an environmental management mechanism and a waste management project, financed by private sector
Macro-level: framework conditions
Strategic advice, capacity Development, new national instruments

- Legal instruments (preservation on water, intergration of RE into planning of Industrial Aras and companies

Capitalizing experience at a Strategic Level

- A National Programme for Resource Efficiency (PNERI 2016-2020) under development - instrument towards green economy according to the National Strategy for Sustainable Development NSSD 2016-2030

The PNERI Approach:
- RE within priority industrial sectors (sectoral approach)
- RE within Industrial Areas (territorial approach)
- encouraging entrepreuneurship in the field of RE (tarnsversal approach)
Studies and international benchmark
National contextualisation & conceptualisation

Identification of priority sectors in industry
1st pillar: sectoral approach

Define and analyse potential branches within priority sectors – Setting branch specific objectives, identify entry points, and establish action plans

2nd Pillar: Industrial Areas (Territorial Approach)
3rd Pillar: Encouraging entrepreneurship in the field of RE (transversal approach)

Developing an RE approach at the industrial area’s level (Industrial Symbiosis) & a concept to encourage entrepreneurship

Elaborating the PNERI Strategy

Approval of the PNERI Strategy

Communication / stakeholder consultation / capacity development

Sensitisation workshop
Kick-off workshop
Dissemination
Training
Dissemination at the SIA Conference
Stakeholder consultation & training
Approval of the PNERI Strategy

2015
2016
2017
2018

Transition towards SIA Proposal

Supporting the process of elaborating a National Programme for Resource Efficiency in Industry (PNERI-Morocco 2016-2020)
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THANK YOU FOR YOUR ATTENTION!