



RESOURCE EFFICIENCY: SOUND BUSINESS STRATEGY FOR A MORE COMPETITIVE AND SUSTAINABLE INDUSTRIAL PRODUCTION IN LEBANON

THE ACTIVITIES OF AICS IN THE SECTOR

**DIETMAR UEBERBACHER
18TH SEPTEMBER 2017, BEIRUT ENERGY FORUM**

AICS - Beirut

n. Project	Sector	Soft Loan	Grant	TOTAL
3	Agriculture		3,190,522.30	3,190,522.30
8	Environment		11,060,531.00	11,060,531.00
17	Humanitarian Aid		22,625,066.00	22,625,066.00
5	Cultural Heritage	10,228,000.00	4,150,000.00	14,378,000.00
4	Refugees		7,384,091.80	7,384,091.80
6	Local Development		5,935,845.36	5,935,845.36
8	Social		10,109,329.40	10,109,329.40
8	Infrastructure – Water	101,819,741.90	14,499,294.37	116,319,036.27
2	Others			1,198,400.00
61	TOTAL	112,047,741.90	80,153,080.23	192,200,822.13

AICS - Beirut

Main activities in the environmental field

- Capacity Development
- Integrated Solid Waste and Pollution Management
- Management and development of the Lebanese protected areas
- Energy saving and renewable energy
- Sustainable Agriculture

AICS - Beirut

Integrated Waste Management in Baalbek

Technical Assistance to the Lebanon Environmental Pollution Abatement Project

Integrated Management Plan of the Water Resources of the Nahr el Jouz focusing on the utilization of Mini Hydro Power

Development of the Marine Environment to Serve the Needs of the Coastal Communities – CANA plus

Sustainable Development of the Buffer Zone of the Shouf Cedar Reserve



LEPAP

LEBANON ENVIRONMENTAL
POLLUTION ABATEMENT
PROJECT

LEPAP

LEPAP Background

Country Environmental Analysis: Managing Environmental Risks;

Environmental Protection Law 444/2002;

Environmental Compliance Decree 8471/2012 and its related decisions (202/1, 203/1 & 271/1 – 2013);

MoE & Line Ministries & Industrialists & Bankers as one group: *“we should work together to improve the situation”*

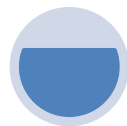
LEPAP

Decree #8471/2012 – Compliance Certificate



Objective

It aims at defining the applicability domain of environmental compliance of the establishments



Benefit

MoE grants the establishments a three-year renewable environmental compliance certificate (ECC) proving the adherence to environmental standards



Result

The ECC will allow the establishment to benefit from economic incentives

LEPAP

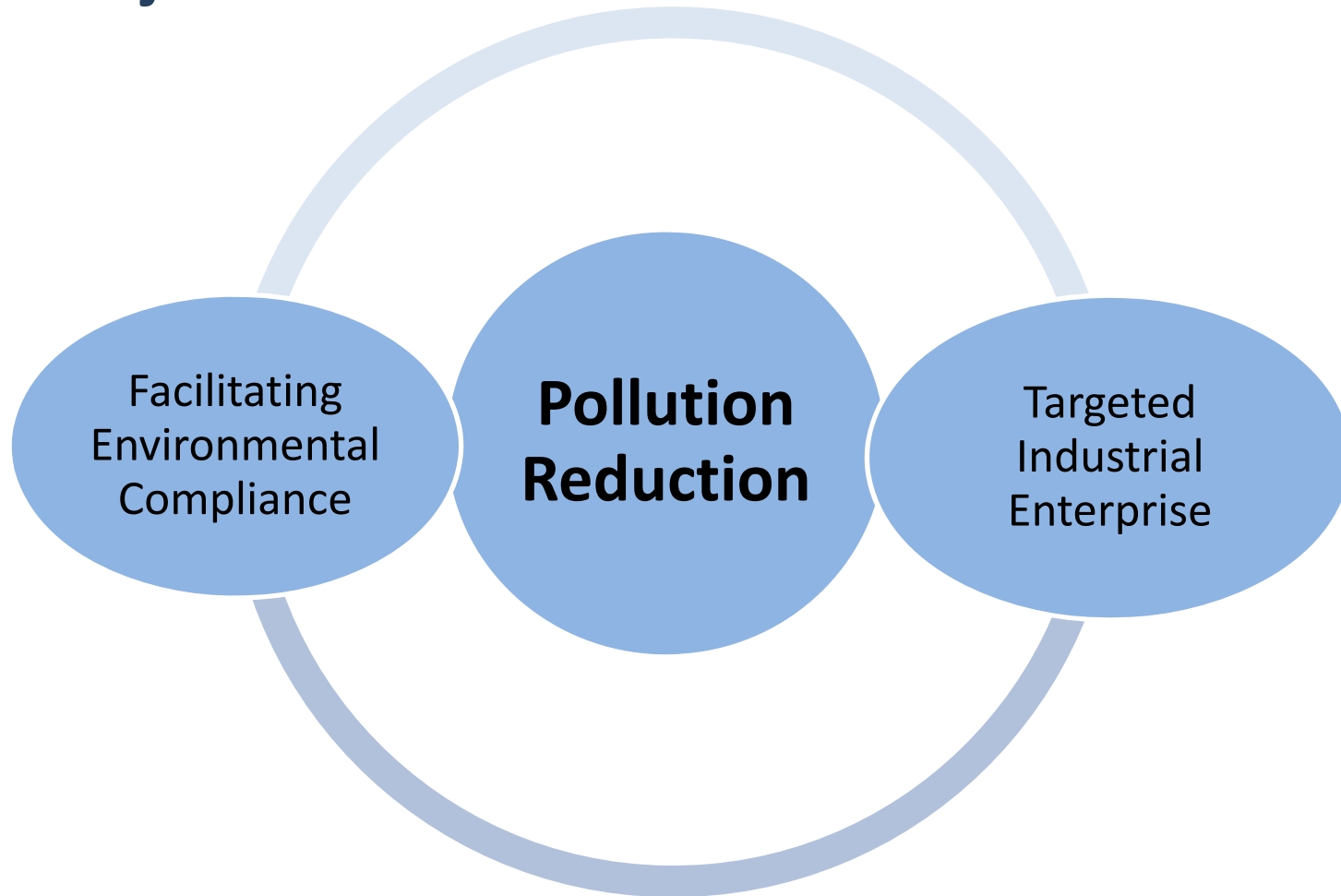


Environmentally complying
establishment

مؤسسة ملتزمة بيئياً

LEPAP

LEPAP Objectives



LEPAP

LEPAP Overview

Project Funding:	~ USD 18 million
Funding Agencies:	World Bank (<i>Expected USD 15 million</i>) Italian Cooperation (<i>Euros 2.3 million</i>)
Implementation:	MoE (in coordination with UNDP)
Main Partner:	BDL
Cooperation:	MoF, MoI, ALI, ABL, CCIA, CDR

LEPAP

LEPAP Components

Technical Assistance

Provision of needed TA for industries to prepare technical and environmental studies and identify environmental investments

Investment

Provision of concessional loans with close to 0% interest rate subsidized by BdL, through commercial banks, for enterprises to executed environmental investments and be able to comply with national environmental standards in a cost-effective manner

LEPAP

Eligibility Criteria

Technical Criteria

- National permitting conditions
- EA/CAP
- Environmental projects

Financial Criteria

- Creditworthy enterprises
- Loan guarantees
- Financial feasibility analysis

LEPAP

Sub-Loan Process

Enterprise: Submit the application form to the bank with a copy to the LEPAP project

Commercial Bank: Assess the enterprise's creditworthiness

LEPAP: If the enterprise is creditworthy, conduct a walk-through and initial identification of the project

Enterprise: Submit environmental studies in line with MoE's requirements, technical specifications and bidding documents for the proposed sub-project

LEPAP: Provide needed technical assistance to the enterprise in the preparation and completion of step 4. Once all technical requirements are met, submit to the commercial bank a technical clearance report for the proposed sub-project

Commercial Bank: Negotiate with the enterprise the sub-project loan agreement and submit to BDL for approval

BDL: Assess the eligibility of the loan application in line with the relevant technical and financial conditions

LEPAP: Once loan approved for disbursement, follow up on the sub-project's implementation

Enterprise: Repayment of the loan in line with the provisions of the loan agreement

LEPAP

Environmental Projects eligible under LEPAP

Wastewater

Air Emission



Industrial Hazardous
Waste

Industrial Solid Waste

LEPAP

Environmental Projects eligible under LEPAP

Wastewater

Air Emission

- Control (recycle, reuse) air emissions
- Heat recovery
- Air filters at chimney's exhaust

Industrial Hazardous
Waste

Industrial Solid Waste

LEPAP

Environmental Projects eligible under LEPAP

Wastewater

- Adoption of cleaner production methods and reduce water consumption
- Industrial WWTP

Air Emission

Industrial Hazardous Waste

Industrial Solid Waste

LEPAP

Environmental Projects eligible under LEPAP

Wastewater

- Reduce, Reuse or Recycle SW
- Treatment/Disposal of SW

Air Emission

Industrial Hazardous
Waste

Industrial Solid Waste

LEPAP

Environmental Projects eligible under LEPAP

Wastewater

- Reduce production and Reuse
- Treatment/Disposal of SW

Air Emission

Industrial Hazardous
Waste

Industrial Solid Waste

THANK YOU



Telephone:
+961 1 976 532

Emails:
lepap@moe.gov.lb, lepap.moe@gmail.com

Website:
<http://www.moe.gov.lb/lepap/>

Facebook page:
LEPAP

Twitter:
[@LEPAP MoE](https://twitter.com/LEPAP_MoE)

LinkedIn group:
LEPAP

Thank you for your attention!

