

«Identification of Regional and National Capacity Building Needs in the Sector of Solid Waste Management »



LDK-ECO Environmental Consultants S.A.



«Identification of Regional and National Capacity Building Needs in the Sector of Solid Waste Management »



LDK-ECO brief company profile:

LDK-ECO Environmental Consultants is a company specialised in environmental studies, wholly owned subsidiary of the **LDK Consultants** group of companies. **LDK Consultants** has been providing private businesses and public bodies with specialist advice and consulting services since 1968. It employs more than 110 permanent staff, operating worldwide from its offices in Greece, Romania, Bulgaria and Cyprus, offering consultancy and engineering services to clients in over 60 countries.





«Identification of Regional and National Capacity Building Needs in the Sector of Solid Waste Management »

«Identification of Regional and National Capacity Building Needs in the Sector of Solid Waste Management»

is a task in the frame of:

«Support to the DG Environment for the development of the Mediterranean De-pollution Initiative

HORIZON 2020»



Scope of the study:

the production of a **summary report of the responses that have been received by the Commission** and in particular to:

- identify regional capacity building needs contained within the responses in the municipal waste sector. These may be needs that have to be addressed at regional level, or needs that should be addressed in each country of the region;
- identify concrete regional capacity building actions derived either from the suggestions contained within the responses or from the analysis of the regional needs;
- identify national capacity building needs and actions from the responses;
- review the ongoing and completed municipal waste management activities mentioned in LDK-ECO's Report of December 2006



Methodology:

- compiling, decoding and analysing the submitted responses to DG ENV on regional and national capacity building needs and actions from the various respondents;
- contacting and consulting with the institutions and organisations dealing with municipal waste management in the region, such as METAP Regional Waste Centre, CGLU United Cities and Local Governments, MEDCITIES and ACR+ the Association of Cities and Regions for Recycling and Sustainable Resource Management, as well as other participants of the Marseille Conference active in the field;
- final compilation, decoding and analysis of all responses received and elaboration of proposals .



General status of the municipal solid waste management sector

	Country	General status of SWM	Need of action in terms of				
			waste collection & sorting	recuperation & recycling	environmental impact of municipal waste mismanagement	impact on coastal areas	impact on public health
Priority: HIGH MEDIUM LOW	Algeria	☹️	🟢	🟡	🟡	🟡	🟡
	Egypt	☹️	🟡	🟢	🟡	🟡	🟡
	Israel	😊	🟡	🟡	🟡	🟡	🟡
	Jordan	☹️	🟡	🟢	🟢	🟡	🟡
	Lebanon	☹️	🟢	🟢	🟢	🟢	🟢
	Libya	☹️	🟢	🟢	🟢	🟢	🟢
	Morocco	☹️	🟢	🟢	🟢	🟢	🟢
	PNA	☹️	🟢	🟢	🟢	🟡	🟢
	Syria	☹️	🟢	🟢	🟢	🟢	🟢
	Tunisia	☹️	🟡	🟢	🟡	🟡	🟡





«Identification of Regional and National Capacity Building Needs in the Sector of Solid Waste Management »

Overview of legal, institutional & policy framework

Country	Level of importance attributed to waste management	Instrumental and managerial needs		
		Policy	Legal	Institutional
Algeria	HIGH	MEDIUM	MEDIUM	LOW
Egypt	HIGH	MEDIUM	LOW	LOW
Israel	HIGH	MEDIUM	MEDIUM	MEDIUM
Jordan	HIGH	HIGH	HIGH	HIGH
Lebanon	HIGH	HIGH	LOW	LOW
Libya	HIGH	HIGH	HIGH	HIGH
Morocco	HIGH	LOW	HIGH	HIGH
PNA	HIGH	HIGH	HIGH	HIGH
Syria	HIGH	HIGH	HIGH	LOW
Tunisia	LOW	MEDIUM	MEDIUM	MEDIUM
		HIGH	MEDIUM	LOW



The way forward: “soft actions”

Regional building needs & actions, according to the respondents:

- Capacity building
- Network of centres involved in SWM sector and research centres
- Information networking
- Access to technology transfer and other methodological tools
- Collaborative arrangements and partnerships



The way forward: “soft actions”

Capacity Building:

- Harmonised approach towards investment planning
- Regionalisation
- Training
- Inter-institutional & cross-sectoral procedures
- Twinning actions
- Project identification & prioritisation





The way forward: “soft actions”

Networking of SWM centres:

- Establishment of a collaborative network of solid waste management centres and research centres (national, sub-regional, regional & international)



The way forward: “soft actions”

Development of information networks:

- Networking & exchange of information
- Development of a permanent experts' network
- Creation of a “think tank”



The way forward: “soft actions”

Access to knowledge & technology transfer:

- Development of incentive systems for promoting technology transfer
- Identification of appropriate technologies
- Elaboration & access to studies on consumption & collection
- Elaboration & access to locally based methodologies
- Development & access to R&D tools



The way forward: “soft actions”

Collaboration & partnership:

- Involvement of civil society & stakeholders
- Development of a potential partners' platform
- Decentralised cooperation
- Coordination amongst involved parties
- Partnerships with national authorities
- Partnerships with hotel chains



The way forward: “hard actions”

Regional building needs & actions, according to the respondents:

- Improvement of databases & inventories of existing infrastructure & environmental problems
- Preparation of NSPs
- Establishment of specialised laboratories
- Continuation of the bankable projects' identification by the MeHSIP





«Identification of Regional and National Capacity Building Needs in the Sector of Solid Waste Management »

Thank you
Stavros Damianidis - stavros@ldk.gr



LDK-ECO Environmental Consultants S.A.