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PENGON	:	Palestinian Environmental Non Governmental Organization. Network.	:
PARC	:	Palestinian Agricultural Relief Committees.	:
WESC	:	Water and Environment Studies Center.	:
PHG	:	Palestinian Hydrology Group.	:
UAWC	:	Union of Agricultural Work Committee.	:
	:		:
WSERU	:	The Water and Soil Environmental Research Unit.	:
UNCBD	:	United Nation's Convention for Biodiversity.	:
UNCCD	:	United Nation's Convention for Deforestation.	:
POPs	:	Organic polluters Convention .	:
EIA	:	Environmental Impact Assessment	:
UNEP	:	United Nation Environment Program .	:

SWEMP Solid Waste and  
Environment Management  
Project.

GTZ : The German Technical :  
Cooperation

UNFCCC United Nation s Frame  
Convention for Climate  
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# **Environmental Management in Eastern Hebron Organizations: Reality and Suggestions for Activation**

## **Abstract**

This study was conducted between July 2007 and October 2008 having all directors and employees of eastern Hebron organizations as the study population. It also included some specialists and experts in the fields of development and environment in the West Bank. Particularly, the study aims at exploring the ways of activating environmental management role in these organizations and introducing a practical model and a structural scheme for environmental management. It also aimed at identifying the importance of environmental management for the participating organizations, the reality of this management, obstacles facing this management and introducing mechanisms and suggestions to activate its role. In addition, it aimed at investing in the opinions of specialists and relevant experts in the fields mentioned above.

In order to carry out the research, the researcher relied on the descriptive approach in the way she collected data, tested hypotheses, analyzed and criticized the relevant literature, designed a questionnaire and interviews booklets. Data collected was then analyzed by "SPSS" as well as interpretation of the collected qualitative data out of the interviews. While conducting the research, the researchers faced difficulties in the lack of response and cooperation from some experts as well as lack of relevant literature on the local level.

As part of the study results, managers and employees of the participating organizations understand that the environmental management in their organizations is weak as a result of lack of fund, conditional funds, absence of national efforts to clarify the role of environmental management, the vague relationship between development and environmental management, medium application of environmental management and if so it is just theoretical and unreal, and the absence of the role of the governmental bodies in monitoring the application of related laws and policies. The study also showed that networking between similar organizations is weak and sometimes absent. In addition, the means, if have been used to activate the environmental management in these organizations, are not enough. As a result, a suggested structural scheme to activate this role is introduced.

Experts' and specialist key informants suggested that each organization should work on identifying the main reasons for the internal weakness as the first step before starting restructuring its scheme. The restructuring is to focus on practical solutions to this kind of weakness and is based on the necessity to have national strategy in place in terms of plans and programs towards protecting natural resources. This national strategy would also focus on the utilization of the clean product to be one of the strategic planning dimensions towards sustainable development. These specialists and experts also stressed the importance of networking between the relevant organizations on one side and between the organizations and other international organizations on the other side to benefit from their experiences in developing and activating local environmental management.

The study then suggested the importance of developing and conducting capacity building programs for employees in fields of environmental management so as to help in reducing the impact of its weakness. It also suggested the necessity of conducting another study that can assess the role of the environmental management in these organizations from the

beneficiary groups' point of view. Moreover, the study stressed the importance of raising funds that are particularly targeting environmental management and not to deal with the field as a complementary field or donor driven project. In terms of the relation between these organization and relevant governmental bodies such as the Palestinian Quality Environment Authority, the study suggests drawing national strategic plans that include environmental impact assessment for all environmental projects run by these organizations. Collectively, all these suggestions will lead to the activation of environmental management that will in turn lead to sustainable development and will decrease the costs as well as guarantee desirable success.



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Environmental management and its impact on the operations "

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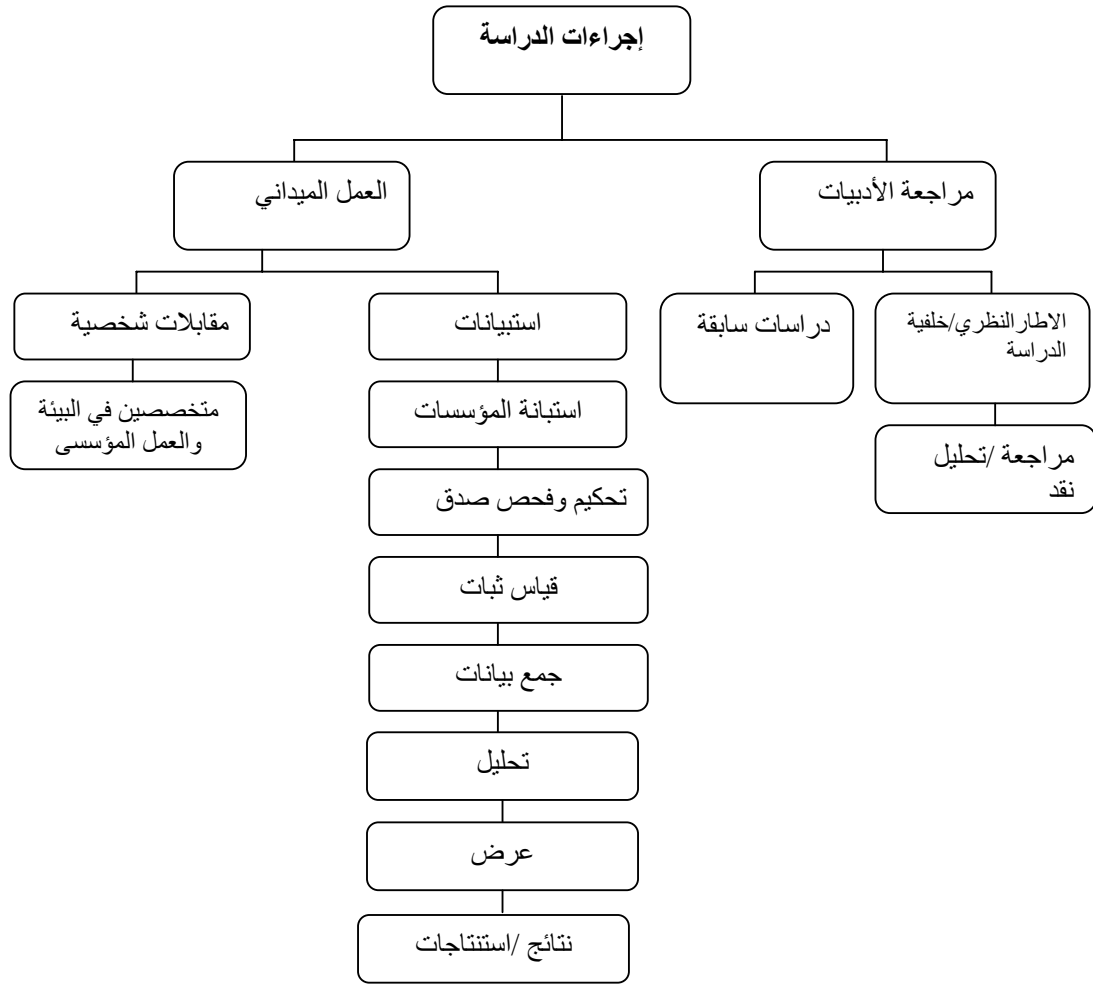
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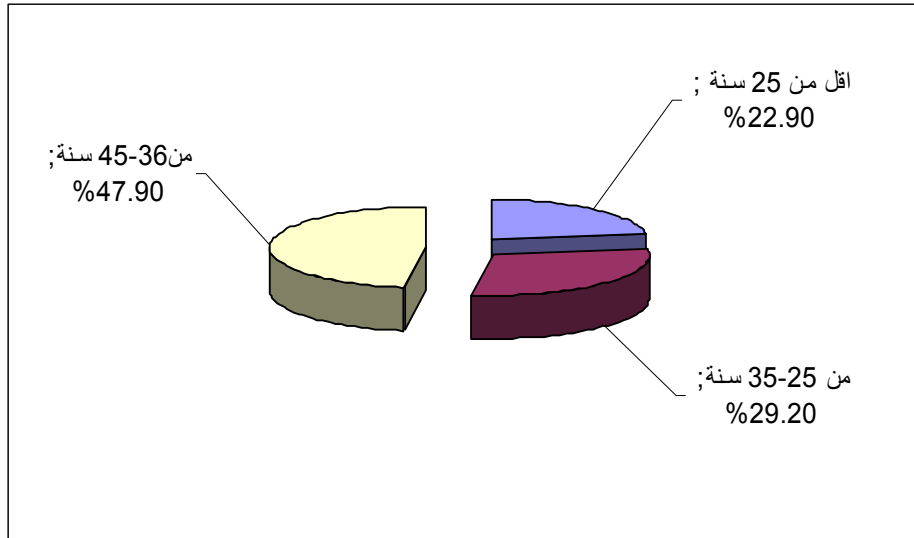




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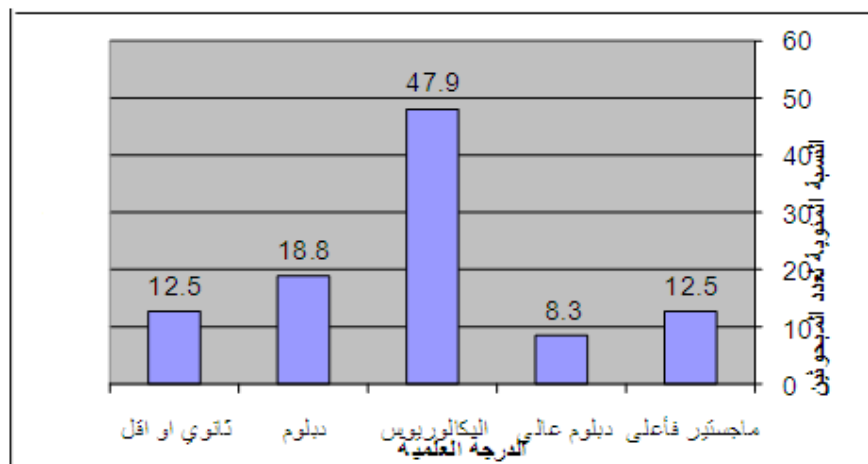
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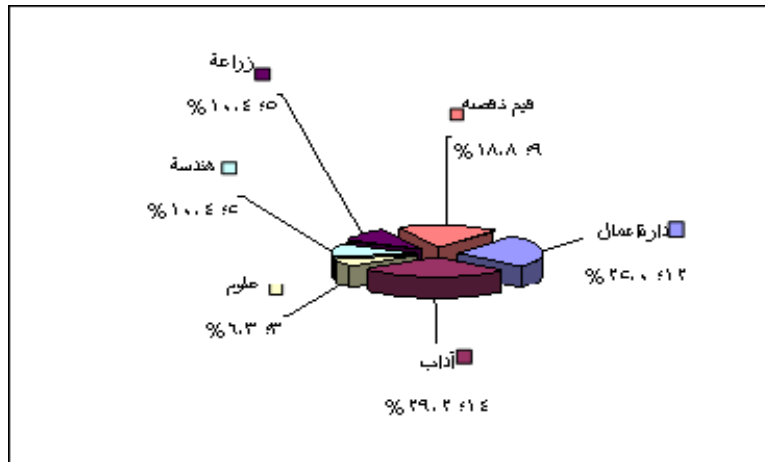
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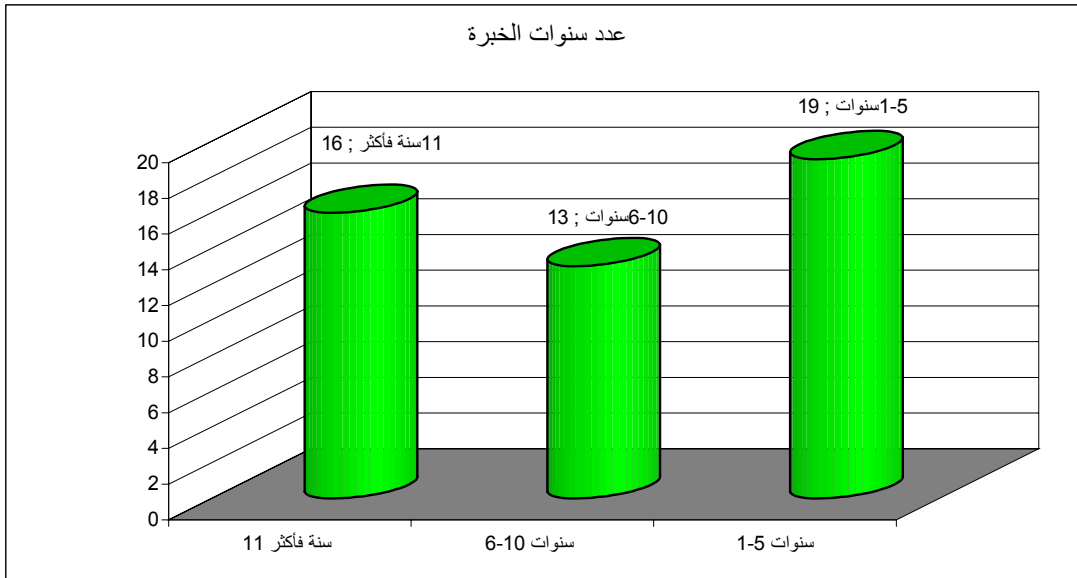
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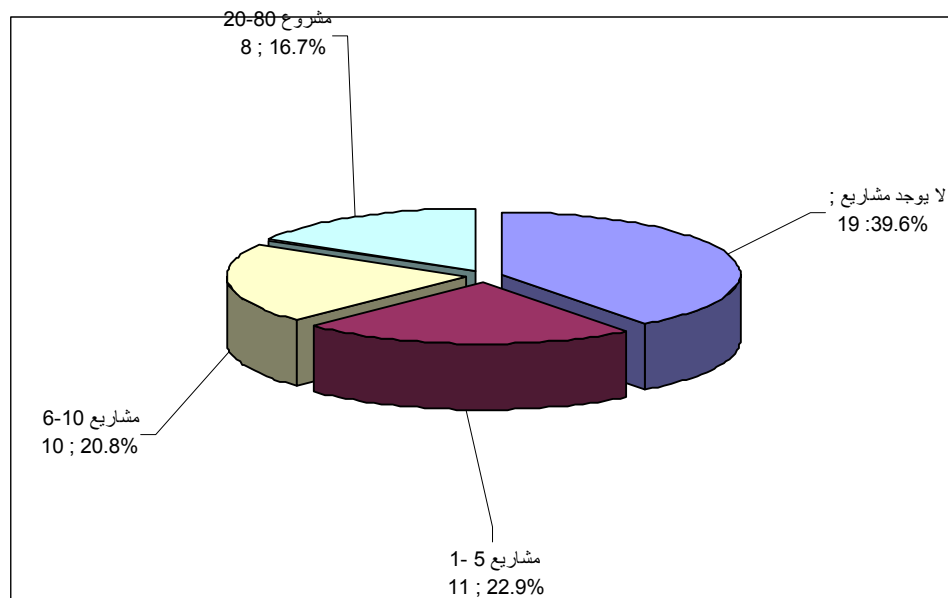
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0.7	4.0		7
0.7	4.0		8
0.7	4.0		9
0.7	4.0		10
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0.9	3.8		23
0.7	3.8		24
0.7	3.8		25
0.9	3.7		26
0.9	3.7		27
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0.7	4.3		3
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0.7	4.2		6
0.9	4.1		7
0.8	4.1		8
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0.4	3.2		5
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F/T		
1.558	0.222	
0.023	0.764	
0.198	0.938	
1.916	0.159	
0.235	0.871	
0.084	0.919	
0.549	0.701	
2.974	0.030	
0.1082	0.560	
1.030	0.389	

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(0.05)

,T (13.5)

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F/T		F/T		F/T		F/T	
.701	0.501	1.851	0.169	1.393	0.259	.007	0.993
.452	0.800	.352	0.689	.869	0.078	.236	0.476
.116	0.976	1.013	0.411	1.475	0.226	.990	0.423
.455	0.638	2.199	0.123	2.067	0.138	.512	0.602

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.277	0.842	.712	0.550	.824	0.488	1.074	0.370	
.095	0.910	.070	0.932	.857	0.431	.310	0.735	
.242	0.913	.047	0.996	.970	0.434	3.219	0.021	
2.291	0.075	1.793	0.148	1.810	0.144	.787	0.540	
.014	0.348	.622	0.333	.478	0.825	2.768	0.186	
.804	0.498	1.389	0.259	2.010	0.126	.129	0.942	

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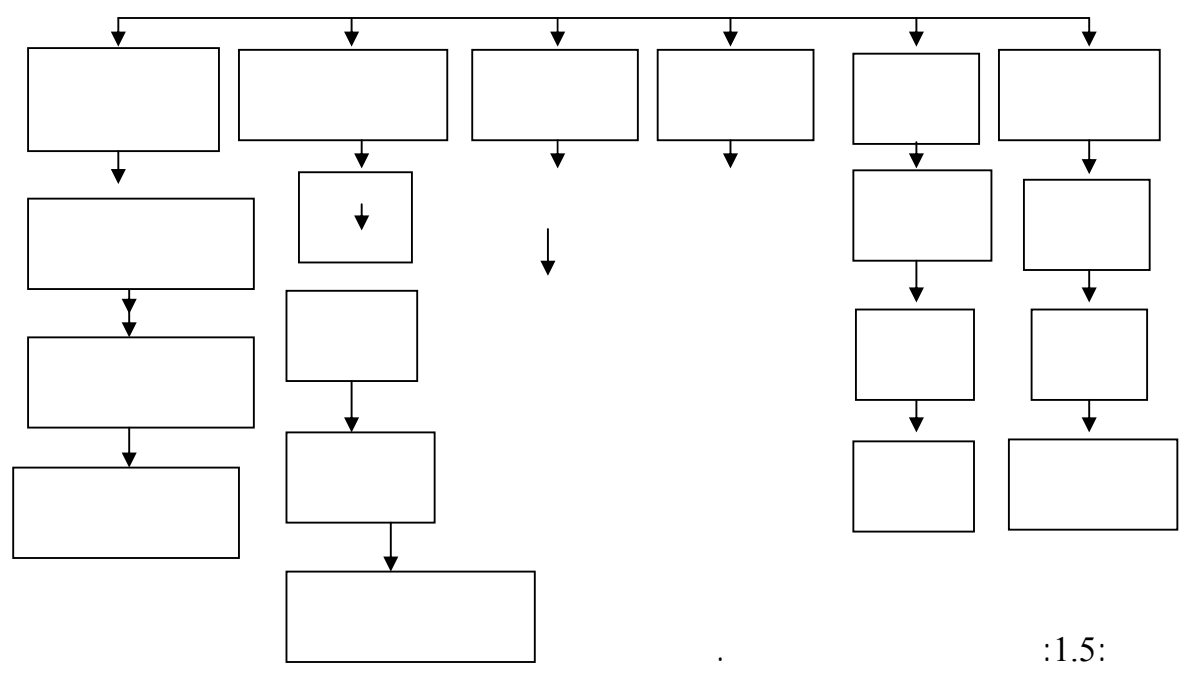
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.<http://www.pengon.org> 8/10/2008 .

: (2009)

.(<http://www.pengonorg/Arabic/about.htm>,8/6/2008).

- (2003).
- (2005).
- (2008).
- (1999).
- (2004).
- <http://www.ahewar.org/debal/show.art.asp> 985/16/9/2004
- (2001).
- (2002).
- (2007) , , , Iso14000
- (2005).
- (1996).
- (2007).
- (2005).
- (2006).
- (1998).
- (2001).

<http://www.pnic.gov.ps/arabc/resources/assol>

- 
- (2000).
- (2002) .
- (2007) .
- (2001) .
- Amad,Y.(1987) "Analytical look at environmental management", Sound environmental management in the pup& paper industry
- Fraser & Doug ill ,& others (2006) : " Bottom up and top down: Analysis of participatory processes for sustainability indicator identification as a pathway to community empowerment and sustainable environmental management
- Gupta,(1995) " Environmental management and its impact on the operations
- Kirkland,& Thompson" Challenges in designing, implementing and operating an " environmental management system
- UNEP IE (1997B) steel industry and the environment . Technical issues Technical Report No . 37 Paris UNEP IE.

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