

FINAL 420

THE CAIRO ENVIRONMENTAL AWARDS PROGRAM

FINAL REPORT

SUBMITTED BY
THE ACADEMY FOR EDUCATIONAL DEVELOPMENT
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Cairo Environmental Awards Program (EAP) Final Report

Introduction

The EAP program aims at giving the opportunity to students to satisfy their pursuits and raise their interests towards addressing environmental issues in the communities where they live, inside or outside the school. This is undertaken through the implementation of environmental projects within the principal objectives upon which the EAP is based.

Among program objectives is the implementation of EAP within a framework of cooperation between the Ministry of Education, EEAA, AED and governmental and non-governmental organizations. The program encourages schools to examine their environment, to interact with it through the pedagogical role played by schools in providing knowledge, build positive trends, develop values, behaviors and skills through the implementation of all types of summer activities; a role eventually foreseen to conserve the environment, improve quality of life and achieve sustainable development.

Among program successes since its inception in August 2003 until its completion with the school year of May 2004 is that it has proven the environment to be not just a slogan or concept reiterated by students without understanding, but has given it tangible dimensions through activities practiced by students in their schools, taking the educational pedagogical process right to its targets. This has been achieved through practical application of skills and the development of trends by incorporating the environment as an inseparable part of the whole educational process.

Program implementation in Cairo Governorate was a new move towards its success, as Cairo Governorate is abundant with different and geographically varied environments in its 28 Educational Directorates. The program was implemented in 16 of the 28 Directorates representing more than 50 % of the 28 departments, where 149 preparatory (boys and girls) schools have participated.

EAP Objectives

- Developing environmental awareness of school pupils and their communities.
- Developing pupils civil skills and raising their self-motivation to solve environmental problems.
- Rendering schools environmentally friendly and optimizing the use of resources.
- Encouraging the school community to develop good relations between the school, the surrounding environment and the local community.
- Establishing co-operation among governmental/non-governmental organizations, local leaderships, authorities and institutions participating in the program.

EAP Schools Environmental Strategy and Action Plan

- Diversifying school activities (projects, publications, research, library, meetings and seminars).
- Working inside and outside the school (home, district and neighboring schools).
- Encouraging external efforts to contribute to program success (NGOs, ...etc.).
- Mobilizing efforts and resources in school communities and encouraging the participation of all school staff (students, teachers, workers and administrators).
- Encouraging local community to share responsibilities while developing good relations between schools and their surrounding community.
- Encouraging program documentation through questionnaires, observation cards, pictures, different means of research and evaluation.

EAP Phases

I. Planning and Preparation:

- Forming executive and school committees, and identifying their tasks.
- Preparing EAP enriching educational material.
- Organizing training programs for EAP committee members and stakeholders.
- Employing trained cadres capable of training teachers for undertaking the work in schools.

II. Implementation Stages:

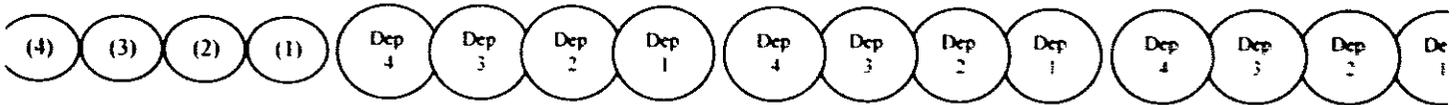
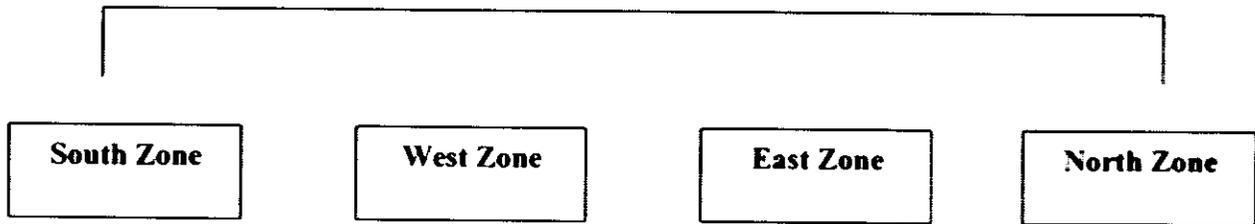
The program was implemented under the supervision of EAP Steering Committee that includes the Ministry of Education (MoE) leaderships, and AED experts by:

- Holding planning meetings at the MoE.
- Developing a work plan and discussing with members of the 4 committees in the four districts.
- Undertaking environmental reviews in schools to identify the environmental baseline and school needs.
- Implementing projects in schools (individuals and group projects).
- Follow-up and evaluation.
- Awards Ceremony for winners.
- Meeting for final EAP assessment (all participants).

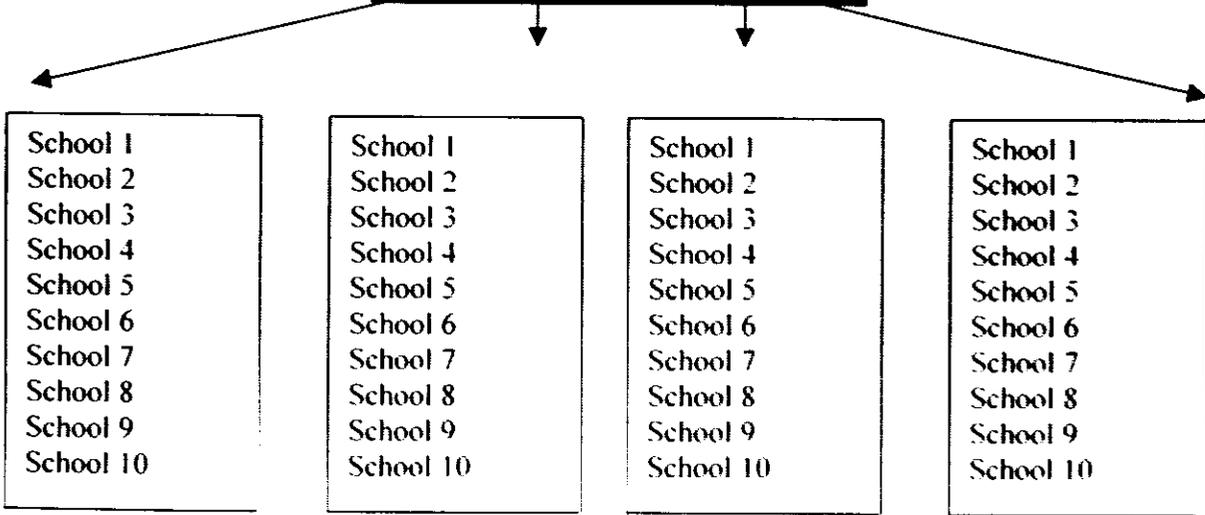
**EAP
Organizational Structure**

EAP Executive Committee

Sub-committees (Zones & Directorates)

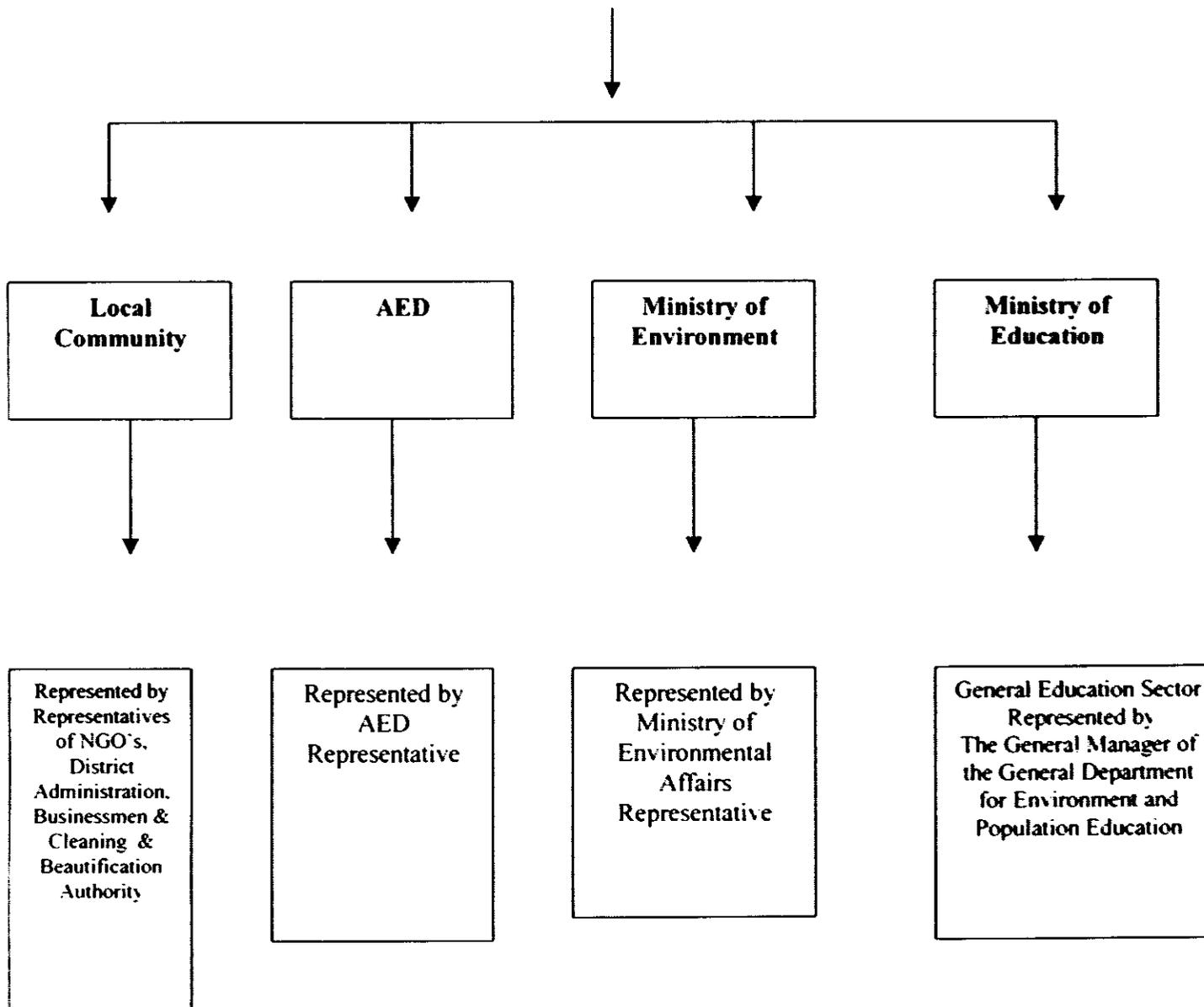


Number of Participating Schools

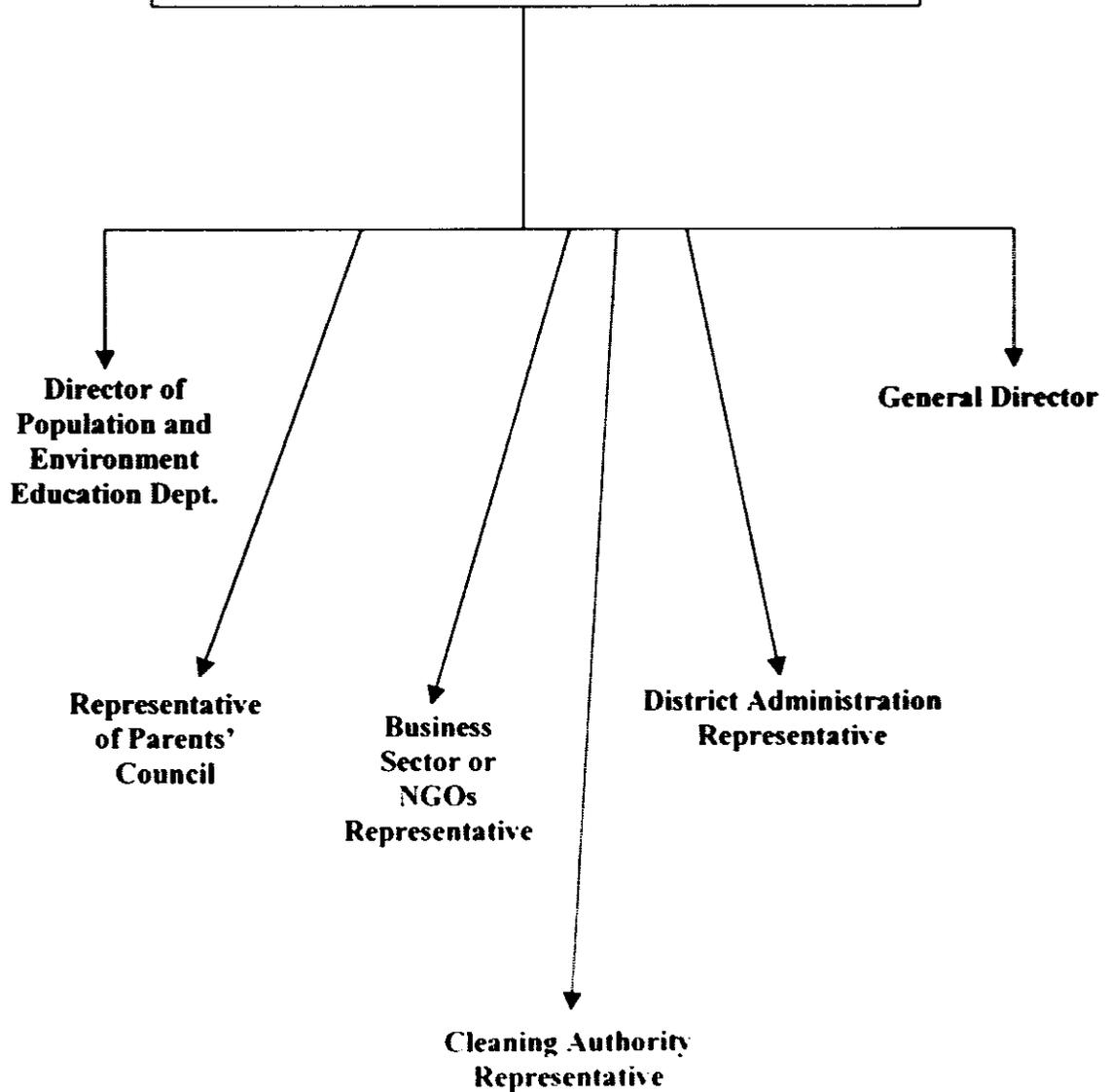


Executive Committee Structure

EAP Central Co-ordination Committee consists of



Structure of Committees in Participating Educational Zones



School Committee Structure

School Committees (in every school)
--

**Students'
Group**

Headmaster

**Activities
Secretary**

**Teachers'
Group**

Total Number: 15
5 from 1st Prep.
5 from 2nd Prep.
5 from 3rd Prep.

Population and Environment
Education Secretary
Teacher

District Administration
Representative

3 Parents' Council members

1 Business Sector/NGO
Representative

Achievement of Quantitative and Qualitative Development through EAP

Statistical list of participants: students; departments; schools; and NGOs; first prize winners from Directorates and schools in Cairo Governorate:

- Total number of participating zones: 4
- Total number of participating educational directorates: 16
- Total number of participating schools: 149
- Total number of participating students: 10170
- Highest Student Participation: The West zone (4067).
- Followed by the East (2421).
- South (1882), and the North (1800).
- Percentage of winning schools to participating schools: 34%
- Percentage of participating directorates to total Cairo directorates: 57.14% (16: 28).
- Percentage of participating preparatory schools to total prep schools in Cairo: 4.3%
- Total types of group projects: 20, including solid waste management, tree planting and reuse.
- Total number of work supervisors: 120, including MoE experts and NGO participants.
- Total number of participant organizations: 25, of which 18 are NGOs.
- Total number of group project winners: 971 students.
- Total number of individual activity winners: 10 students.
- Total number of honored supervisors: 235
- Total number of honored committee members: 98
- Total number of students participating in solid waste management: 563 students, of which 330 are males and 233 are females (7 educational departments).
- Total number of schools participating in solid waste management projects: 67, of which 28 are boys' schools while 39 are girls' schools (10 educational directorates).
- Total number of NGO and institutional participant members: 33
- Total number of supervising general directors: 16 (one for each educational department).
- Total number of group projects implemented through school environmental groups: 102

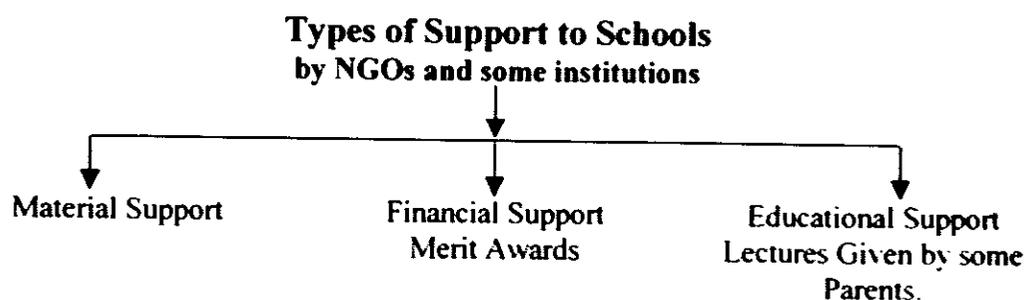
Number of schools and students participating in the program

Zone	Directorate	Total Schools	Total Preparatory Schools	Participating schools	Total Students	Total Participating Students	Percentage of Participating Schools	Percentage of Participating Preparatory Schools
Western	Al Wayly	185	116	10	12100	3100	68.6	5.4
	West Cairo	111	27	8	732	263	29.6	7.2
	Mid Cairo	91	17	8	866	450	47	8.8
	Abdeen	80	21	9	543	254	42.8	11.3
Southern	Ma'adi	137	39	10	17337	446	25.6	7.2
	Helwan	236	67	10	35269	529	14.9	4.2
	Sayyeda Zainab	113	24	8	7150	392	33.3	7
	Misr Al Quadeema	105	24	9	1723	515	37.5	8.5
Northern	Asharabeyya	50	11	9	12800	177	81.8	18
	Al zaweya Al Hamra	47	11	9	11928	1073	81.8	19
	Rode El Farag	113	27	11	11738	837	40.7	9.7
	Al Sahel	139	25	9	15900	613	36	6.5
Eastern	Al Matareyya	134	37	10	30400	823	27	7.5
	Ain Shams	145	43	11	29500	669	25.9	7.6
	Al Marg	145	45	10	20500	445	22.2	6.9
	Madinet Al Salam	187	46	8	22200	475	17.4	4.3
Total		2018		149				

- Total number of schools in Cairo is 3499.
- Percentage of Cairo participant schools: 4.3%
- Percentage of winning schools among participants: 34%
- Percentage of participant directorates: 57.14%
- Source: Cairo Statistical Guide (to be obtained from the Directorate).

Community Participation

It was crucial for this program to link schools to the community and its problems and to focus on the concept that community participation is essential for the success of any national project or development effort. EAP focused on creating a relationship of cooperation between stakeholders, of benefiting from the efforts of different organizations in mobilizing community efforts. The community did not only participate with resources only but gave material support, and participated in identifying goals, and decision-making, as well as follow-up and evaluation processes. Coalitions were formed among school committee members, local committees, parents' councils and headmasters. This was evident in the meetings conducted, as well as among students, officials, institutions/NGOs, and the surrounding participant schools.



Examples:

- Providing trees to schools & implementing tree-planting projects.
- Environmental awareness posters
- T-shirts for students of Mohamed Farid School
- Awareness lectures given by some parents (physicians – men of religion – businessmen) (through Parents' Council)

Participating NGOs:

- 1- Upper Egypt Association for Education and Development- North Directorate;
- 2- Christian Young Women Association - West Directorate;
- 3- Nature Conservation Association - West Directorate;
- 4- Matareyya local CDA–East Directorate;
- 5- Al-Rowwad Social Affairs Association - the West Directorate;
- 6- Rod El-Farag Community Development and Environment Protection Association –North Directorate;
- 7- Al Eman Billah Social Development Association –North Directorate;
- 8- Al Lewa'a Al Islami Association- the North Directorate;
- 9- Helwan Red Crescent Association – the South Directorate;
- 10- Gewa'a Al Mostaqbal Association – the West Directorate;
- 11- Coptic Evangelical Organization for Social Services (CFOSS);
- 12- Al Mahabba Association- the West Directorate;
- 13- Caritas Egypt Association- the East Directorate;
- 14- Kafalet Al Yateem (Supporting the Orphans) Association- the East Directorate

- 15- Awladena Mostakbalena (Our kids are our Future) Association- the East Directorate;
- 16- NGOs in Abdeen
- 17- Al Rowwad Social Affairs Association; and
- 18- Cairo Social Affairs Directorate.

Organizations and institutions supporting the program:

- 19- Awareness Sector in the North District (Cleaning and Beautification of Cairo Organization);
- 20- AMA Arab Environment Company (North District);
- 21- South and West Cairo Media Center;
- 22- Faculty of Social Work, Helwan University ;
- 23- Al Waili District Administration (Awareness Coordinator) and Al Matareyya District Administration; and
- 24- CID Company, Zamalek.

Total Participants

50

Media

- Al Gomhoreyya Newspaper;
- Al Ommal Newspaper;
- Al Tahreer Printing and Publishing House (Al zaweya Al Hamra branch);
- CEDARE Organization; and
- Water Resources.

**Population and Environment Education Cadres in the Zone and Directorates
Participating in EAP**

Zone	Responsible	Departments	
		Directorate	Supervisor's Name
South	Mona Hamed Ali Ibrahim	Helwan	Azeez Mounir Azeez
			Fatma Salem Sayd
		Maadi	Zeinab Mohamed Ahmed
			Nour El Huda Salah Al Dein
Old Cairo	Esam Ibrahim Ali Ahmed		
	Sayyeda Zeinab	Mo'ataz Ahmed Abd Al Rahman Abd Al Azeez Abdo Kasem	
East	Mosa'ad Mustafa Abdo Soher Sedky Huda Abd Al Mon'em	Matareyya	Farida Sa'ad Mohamed
			Madeeha Gooda Mohamed
		Marg	Fatma Mohamed Ahmed Al Daby
			Fatma Ahmed Orabi
Ain Shams	Suzan Yousef Mikhail		
	Al Salam	Ibtesam Ibrahim Al Sayd So'ad Hamed Al Omry	
North	Boshra Ali Ghoneima Nagat Abd Al Hameed Mervat Omar Abbas	Rod Al Farag	Salwa Kamel Nicola
			Foad Kamel Ahmed
		Sahil	Effat Mustafa
			Boshra Bade'e
Al Zawia Al Hamra	Ne'mat Ibrahim Al Sayd		
	Sharabeyya	Rachel Rashed Anwar Zaki Sa'ad Allah Saeid Abd Al Mohsen	
West	Layla Ragheb Mohamed Al Borolos Sana'a Said Al Shahed	Weili	Tawfeek Hanna's products
			Taghreed Fahmy Mohamed Ghoneim
			Mervat Abd Al Mone'em Al Fakhakh
		Abdeen	Laila Ateyya Ibrahim
			Fadya Abo Sre'e
		Middle Cairo	Nawal Ibrahim Mohamed Tag Al Dein
Ahmed Isma'eil Mustafa			
Alaa Al Dein			
West Cairo	Ahmed Said Taha		
	Mamdooh		

**Ministry of Education
General Education Sector
General Directorate of Population and
Environment Education**

Cairo EAP Participant Organizations

Zone	Name	Organization
West	Iman Mounir Hakeem	Christian Young Women Association
	Waheeb Rafla	Al Mahabba Association Chairman
	Magdy Saiah Salama	Weili District Awareness Coordinator
	Safaa Talaat Mohamed	Weili District Awareness Coordinator
	Samia Abdul Salam Fayed	Conserving Nature Association Member
	Fathy Mohamed Mahmoud	Conserving Nature Association Member
	Mohamed Salah Al Din Mohamed	Director of NGOs
	Doreyya Said Ahmed	Social Development Association Chairwoman
	Bahaa Al Dein Mahmoud Salm	Cleaning and Beautifying Cairo Organization
	Sahar Mohamed Hasan	NGOs in Abdeen
	Owlky Al Hesienny Badawy	NGOs in Abdeen
	Mohamed Wageeh Al Sayd Fayed	Director of NGOs
	Gannat Abd Al Salam Hazeen	Al Rowwad Social Affairs Association
	Amal Abd Al Rahman Ahmed	Head of the Public Relations Dept. in Abdeen
East	Abd Allah Ibrahim Shalaby	Matareyya Local Community Development Association Director.

**Ministry of Education
General Education Sector
General Directorate of Population and
Environment Education**

Cairo EAP Participant Organizations (continued)

Zone	Name	The organization they belong to
North	Magdy Naseef Wasef	Al Sahid Association
	Dr/Mohamed Habashy	Rod Al Farag Association
	Abd Allah Mahmoud Zeidan	Al Eman Billah Association
	Badr Al Deen Farag Abd Al khalek	Al Eman Billah Association
	Mohamed Abd Al Hafez	Governorate Council Member
	Fadya Ayad Botros	Ama Al Arab Environment Company
	Sabry Mahmoud Abeid	Awareness Sector in the North District
	Mohamed Hasan Abd Al Fatah	Awareness Sector in the North District
	Mohamed Ahmed Zahran	Awareness Sector in the North District
	Abd Allah Al Shazly	Awareness Sector in the North District
	Hosam Ahmed Husein	Awareness Sector in the North District
	Waleed Sha'aban Mohamed	Awareness Sector in the North District
	Wassam Mohamed Abd Al Ghany	Awareness Sector in the North District
	Maha Hanna Habeeb	Awareness Sector in the North District
Awad Salama	Al Lewaa Al Islami Association	
South	Nadia Kamel	Helwan Red Crescent Association Director
	Khaled Mahmoud Talab	Helwan Red Crescent Association
	Nagwa Ibrahim	South and West Cairo Media Center Director.

Major Group Projects Implemented in Schools

Many group projects have participated in EAP indicating the desire to implement group activities in schools (whether by students, teachers or workers)

- Students have performed their group projects under the supervision of school administration and teachers, an element featuring in all group activities.
- Implementation has been carried out during extra classes, activity classes, after school day or through school camps.
- Total number of students participating in the winning group projects: about 1000.

Examples of Group Projects:

- 1- Solar heater (Environmental Education Group)
- 2- Green House
- 3- Solar Cooker (Solar Oven)
- 4- Soap making
- 5- Planting a school garden
- 6- Rationalizing energy consumption
- 7- Rationalizing water consumption
- 8- Painting the school walls
- 9- A desalination apparatus
- 10- Planting mushrooms
- 11- Planting a school nursery in neglected areas
- 12- Reusing paper
- 13- Fixing and reusing school furniture
- 14- Using food leftovers in making compost.
- 15- Recycling wastes
- 16- Beautifying and tree-planting
- 17- Planting a school garden in an deserted unused area
- 18- Developing posters and stickers
- 19- Cleaning external environment
- 20- Planting school roofs
- 21- Beautifying external environment

Individual Projects:

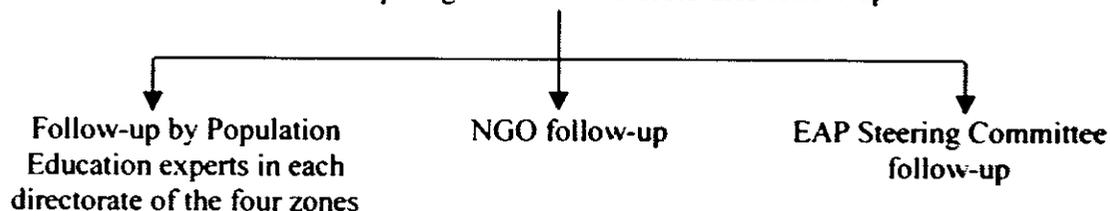
Innovative Environmental Instruments:

- A waste recycling device
- A water rationalization device
- A desalination device
- A periscope
- Electricity consumption monitoring
- A water leveling device
- A prototype showing lunar movement

Follow-up and Assessment

An EAP follow-up and assessment plan has been implemented during and at the end of the program:

- 1- MOE follow-up performed by Population and Environment Education experts.
- 2- Cairo Directorate of Education follow-up
- 3- Participating educational directorates follow-up



Total number of EAP followers-up:

- General Dept. of Population and Environment Education: 10 experts
- Cairo Educational Directorate: 9 experts
- Total followers-up from the Dept. Population and Environment Education: 100
- Total number for 4 zones

• Total members of steering committee	44
• Total EAP followers-up	163

The schools supervising body and committees (teachers and pupils) have documented the activities and projects whether done by individuals or groups. Monitoring was performed weekly since throughout the program.

Follow-up Conditions

Forming a work team (the ministry, the directorate and NGOs) and holding monthly meetings to review follow-up reports.

Implementation Conditions

- Follow-up and assessment forms developed by the General Dept. of Population and Environmental Education (a follow-up form attached).
- Following-up filling in of environmental review forms in schools, which have been proposed by AED as an indicator for environmental activities done by students.
- Knowledge of progress achieved in schools.
- Facilitating work procedures.

The Project Selection and Management Criteria

Criteria of Selection of School Projects:

- Type of activities,
- Who identified them,
- Students implementation roles,
- Who supports the project in the school, and type of support,
- Who supports the project out of the school, and type of support,
- Community participation,
- Parents' Council participation,
- Project documentation and forms, and
- Does the school have the program logo installed?

Ceremony and Environmental Awards

Awards for: students, teachers, authorities, NGOs, AED, MoE, and EEAA. All participants in this program were awarded certificates to encourage continued environmental activity and stimulating young students.

Awards:

- Financial (investment certificates).
- Leather cases for committees and NGOs members.
- Shields and medals for authorities, students and teachers, and
- A garden cart and gardening tools for each winning tree-planting school.

**Cairo EAP
(MOE/AED)**

Follow-up Form for Participant Schools

Zone	Southern	Northern	Eastern	Western

School Name	Educational Dept.
Headmaster	Dept. Telephone Number
School Address	School Telephone Number
Directorate Follow-up Representative	Dept. Follow-up Representative

School Committee Members:

Headmaster	Population and Environment Education Rapporteur
Activities Deputy	NGO Member
Local Council Member	Parents' Council Member

Number of Previous School Follow-ups:

Directorate	Dept.
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School Project Name:

1-	2-
3-	4-

The Type of Activity that Assists the Project:

Energy Use Proficiency	Yes	No
Waste Management and its Type	Yes	No
Other Topics		

Project Implementation Steps:

Project Name	Participants	Total Number	Project Supporter	Work starts on	Work ends on

Available School Resources:

Human Resources

Non-Human Resources

Has EAP been announced at school and its surroundings? How?

Signature

Directorate

Dept.

To be authorized

Headmaster

School Stamp

EAP Number of Supervisors, Students and Committees in Educational Zones

Zone	Number of Schools	Winning Pupils		Number of Supervisors	Number of Distinct Directorates	Number of General Directors	Zonal Committees	
		Individuals	Groups				Ministry/Directorate/Dept.	Institutions and Organizations
	16	4	197	71	1	4	14	3
	12	7	337	81	1	4	15	15
	12	-	225	41	1	4	16	1
	12	1	212	42	1	4	20	14
Total	52	12	971	235	4	16	65	33

EAP Winning Schools

Sr.	Direc.	School Name	Sr.	Direc.	School Name
1	Abdeen	Nobar Prep. (G)	25	Sharabi yya	Bilal Prep. (G)
2		Falaki Prep. (G)	26		Nahdet Misr Prep. (B)
3		Mohamed Farid Experimental Prep.	27		Al Obour Prep. (G)
4	Weili	Ghamra Prep. (G)	28	Rod el Farag	AL Obour Experimental
5		AL Sarayat Prep. (G)	29		Mogammaa Mubarak Prep. (G)
6		AL Mahabba Prep. (G)	30		Makarem Al Akhlaq Prep. (G)
7	West	Al Gazeera Al Rassmiyya (G)	31	Sahil	Hadaeq Shoubra Prep. (B)
8		Ramlet Boulaq Prep. (G)	32		Hafez Ibrahim Experimental
9		Ameer Al Liwaa Prep. (G)	33		Huda Shaarawi Prep. (G)
10	Middle	Al Selehdar Prep. (G)	34	Zawia	Taha Hussein Prep. (B)
11		Al Mohamediyya Prep. (G)	35		Mohamed Farid Prep. (G)
12		Ameer Al Goyoush Prep. (G)	36		Safiyya Zaghoul Prep. (G)
13	Matarriyya	Al Massalla Prep. (Matutinal) (G)	37	Helwan	Om El Abtal Prep. (G)
14		Al Mohamediyya Prep. (Vespertine) (B)	38		Mahmoud Sami Al Baroudi Prep. (B)
15		Al Mostaqbal Prep. (Vespertine) (G)	39		Safiyya Zaghoul Prep. (G)
16	Ain Shams	Omar Bin Abdul Aziz Experimental	40		Al Fariq Abdul Moniem Wassel Prep. (G)
17		Al Naam Prep. (Matutinal) (G)	41		Al Shahid Ahmed Hamdi Prep. (G)
18		Al Nasserriyya Prep. (G)	42		Zahraa Helwan Prep.-Sec. (G)
19	Marg	Al Marg Prep. (G)	43	Maadi	Al Gabarti Prep. (B)
20		Anwar Sadat Prep. (G)	44		Al Maadi Al Gadida Prep. (B)
21		Al Marg Prep. (B)	45		Al Fayrouz Prep. (G)
22	Madinet el Salam	Safiyya Zaghoul Prep. (G)	46	Old Cairo	Al Obour Prep. (G)
23		Sayyieda Aisha Prep. (G)	47		Ahmed Maher Prep. (B)
24		Bilal Prep. (B)	48		Khaled Bin Walid Prep. (G)
49					Amr Bin As Prep. (G)
50			Al Saniyya Prep. (G)		
51			Al Moneera Prep. (G)		
52			Amin Sami Prep. (G)		

N.B. G: Girls

B: Boys

Work Plan
School Plan for Environmental Activities
(e.g. Al Sarayat Preparatory School)

Objectives	Activities to be done	Responsible Individuals	Time Schedule
1- Determining types of wastes at school	Sorting school solid wastes	Shaimaa Ibrahim – Samar Abdul Gawwad	2 days
2- Utilizing broken desks and chairs	Using broken wood and fiber resulting from new appliances to make 3D diagrams related to academic syllabi (e.g. a nerve cell, artistic shapes, jungle animals, ... etc.)	Nada Ragab and Yustina Atta with representative students from each class	Along the whole time allotted for the project.
3- Utilizing fabric scraps	Making colored pillows from fabric scraps, in addition to jeans and sackcloth sacs	Issraa Mahmoud and Heba Ezzat with sewing teacher	2 weeks
4- Doing away with cooperative societies wastes	Utilizing cardboards as garbage pails for classes, besides a decorated mobile pharmacy for each class	4 pupils from each class	1 week
5- Re-utilizing empty water bottles	Making rose vases, desk pen-case, thermos for maintaining drink temperatures and saving energy	2 nd Prep. students (related to their Technology syllabus)	1 week for each activity
6- Developing the students' artistic and innovative senses	Making a foam calendar, foam-made natural sceneries, and Pharaonic shapes and faces using the arquette (wood work)	Mariam Mahmoud and Nourin Mohaymen with artistic education teacher	2 weeks

Al Sarayat Preparatory School for Girls

**EAP communication with Neighboring Arab Countries for
Exchanging Experience**

**Examples of Exchanging Environmental Posters with Schools
in other Arab Countries**

**(The Contribution of Companies and Businessmen to Spreading
Environmental Awareness in Yemen)**

**Keep Wastes with You Till You Find a Garbage Bin
Together for a Clean City**

**The Center of Environmental Awareness,
Capital Secretariat**

**Plastic Bags Destroy the Environment and Deform Beauty
Together to Reduce their Use**

**The Center of Environmental Awareness,
Capital Secretariat**

EAP Success Factors in Schools:

A group of correlative and integrated factors should be present in order for any program to achieve its objectives.

- **Policies, Decisions and Instructions:**

Directing the schools toward cooperating with the society to have interacting efforts.

- **Training EAP teachers and staff from different departments and NGOs:**

Training aims at uniting the different visions in order to build new cadres capable of delivering information and achieving goals. On the other hand, NGOs and other organizations provide cooperation among them and schools, in addition to the moral support.

- **Societal participation and providing a secure atmosphere for the implementation of the program:**

Parents' Councils and Mass Media have participated in the meetings held where parents have been invited to contribute to EAP's projects executed at schools.

- **Gender Consideration:**

Schools have been chosen for EAP projects taking into consideration the gender balance. Girls' Schools have played a big role in the projects.

- **Project documentation in participant schools:**

Projects chosen by the students have been documented (before, during and after the project) by video and photography leading to a progress file for every school.

- **Continual follow-up and problem solving:**

Through following up, obstructions and weak points have been evaded.

- **Cooperation and teamwork:**

Followed in projects performed by groups.

- **Continual Encouragement:**

Dept. of Population and Environment Education have granted appreciation certificates to all those who participated in EAP activities.

Obstacles:

- Insufficient time during the school day to carry out the projects.
- Urgent need of material support for some projects presented by students.
- Insufficient communication with local officials and NGOs.
- Lack of school human resources records which show the resources of the schools and their surroundings.
- No differentiation between EAP preliminary, identification and training programs.
- Ineffective parental participation.

Recommendations:

- A sub-EAP that starts in the summer vacation and continues during the academic year.
- EAP planning and implementation to commence in a preparatory meeting attended by all participants.
- Actual communication with local officials and parents' councils, and inviting them to cooperate. This should take effect by keeping a record of the human resources in every school, with the professions occupied by parents in the parents' councils and the officials in the organizations.
- Facilitating direct communication with local officials and proposing a lecture on means of communication in every training program.
- Meeting with officials of the educational departments to define the program, its objectives, and the parties executing and following it up, besides designating their authoritative responsibilities before the implementation.
- Selecting 3 winning departments and schools in each area, so as to move to a higher level of performance, as a start for a new EAP stage.
- A time schedule of seminars and meetings besides that of the training programs planned according to each training-day objective.
- Most projects executed by students have focused on recycling and reusing wastes only as artistic objects in schools.
- Population and Environment Education Depts. to adopt EAP in their annual plan distributed on their line departments in governorates.
- Experience gained by participating schools to be exchanged with non-participating ones.
- Using technology in EAP projects.

Success Stories

North District

Sayedda Aisha School

Official in charge: Salwa Kamel

Number of participant schools: 11

Distinct School Projects

School Name: Sayyida Aisha

Project Name: Environment-Friendly Curtain

Environmental Concept: Purifying air from vehicle exhaust and pollutants

Scientific Concept: The ability of Carbon to absorb gases.

Basis of environmental project

- Using carbon coals (coal tablets) to purify air from pollutants.
- Utilizing material and tulle leftovers (recycling).
- Artistic and sanitary utility.

Participant Students

- Abeer Yehia
- Suzanne Magdy

Work Steps:

- Bring a piece of cloth or gauze (according to the area of your window).
- Get a piece of silk from your leftovers.
- Fasten the coal tablets on the piece of cloth and put it on the window facing the street.
- You may decorate the cloth (curtain) with artificial flowers.

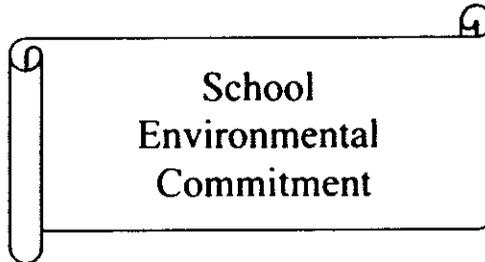
**North District
AL Zawia Preparatory School for Boys**



Program Steps:

1. Collecting information on some desert plants.
2. Encouraging students to participate in planting different plants.
3. Assembling all the material needed for the garden:
 - a- Different desert plants (e.g. cactus with diverse kinds and sizes).
 - b- Heaping small sand hills suitable for the environment of the plants.
 - c- Establishing mud enclosures to protect the garden.
 - d- Fencing the garden and painting the fence.
 - e- Encouraging students to keep the garden clean.

**South District
Safeya Zaghloul Preparatory School for Girls
(Helwan Educational Department)**



Our environment-friendly school promises to:

- 1- Give attention to environmental issues;
- 2- Keep the school clean to maintain its beauty and its clean environment;
- 3- Students will maintain and replicate environmental activities implemented;
- 4- Continue its cooperation with other schools and the local community in order to exchange experiences and be introduced to new environmental preservation techniques.

Our school shall hereby be committed to become environmentally friendly, and launch its global environment appeal:

Global Environmental Appeal

We live in a small cosmic village; What happens in the North affects the South, and what troubles the East, troubles the West as well.

South District
Ezbet El Waleda School (Helwan)

Reutilizing Fabric Wastes from Sewing Classes



Steps:

1. Collecting fabric scraps left in the sewing class.
2. Cutting material in the form of long strips.
3. Sewing them together.
4. Furling the sewn strips in small balls.
5. Setting a simple loom up from which to make a colored carpet to be placed on a doorstep, a vegetable bag, or a book sac.

West District

Recycling

Introduction:

This project has been chosen by the school to control the amount of wastes that harm the environment. Many wastes remain from the school canteen, such as cardboards, carbonated water cans, ice-cream sticks and empty jars.

The program has been announced to the students.

Students' Achievements:

1. Cutting chips packages and using them in making artistic shapes using strings and adhesives.
2. Gluing ice cream sticks together to make desk pen-cases.
3. Using fabric wastes in making handmade carpets for the school mosque.
4. Raising money through selling canteen empty cardboards.

Everyone was satisfied to have made material profit and cleaned the environment, particularly through group work.