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**SUMMARY REPORT
ON
THE ENVIRONMENTAL EDUCATION WORKSHOPS:
SOLID WASTE MANAGEMENT FOR SECONDARY
TECHNICAL SCHOOL TEACHERS IN ASWAN,
QUENA AND SOHAG GOVERNORATES**

MARCH, 28- APRIL, 2, 2001



**submitted by:
Dr. Hala Adel and Dr. Hassan Abou Bakr
Academy for Education Developmnet**

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INTRODUCTION

In the year 2000, the Academy for Education Development (AED) produced a learning supplement on SWM. This supplement consisted of a book, a set of 12 transparencies, a video film, and a CD. The supplement was then distributed all over the technical schools in the country as the training supplement addresses teachers in the secondary technical schools. Several workshops were implemented to train the teachers on how to use this material, *i.e.* 4 workshops in Alexandria, and one in the Red Sea Governorate.

This year, during the period of March 28- April 2, 2001, four workshops on the same issue were implemented, 2 in Aswan, one in Quena and one in Sohag. These workshops were prepared and implemented by Dr. Hassan Abou Bakr, Dr. Hala Adel and Mr. Moataz Abdel Fatah. In these workshops the target groups were wider where teachers Commercial, Industrial, Agricultural and Hotelary schools were involved.

OBJECTIVES OF THE WORKSHOP

- 1- To introduce the participants to the concept of environmental education and its relation to commercial, industrial, agricultural, and hotelary schools;
- 2- to introduce the participants to solid waste management concepts;
- 3- to introduce the learning supplement and to get participants feedback about it;
- 4- to experience some educational activities in the SWM book in order to raise the teachers environmental awareness and enhance their understanding of the solid waste problem and its impact on the environment.

PRE-WORKSHOPS ACTIVITIES

The General Manager of Basma Hotel in Aswan expressed his readiness to host the two training workshops where the hotel offered coffee breaks, lunch and the conference room, (see Aswan trip report by H. Abou Bakr, Feb. 2001).

Before implementing the two workshops in Aswan Governorate a trip was made by Dr. Hassan Abou-Bakr, Dr. Mahmoud Youssef, and Mr. Dan Hallet from the AED to the city of Aswan on 9-10 February, 2001. One of the objectives of this visit was to make the arrangements necessary in order to introduce the learning supplement on solid waste management to secondary technical school teachers in Aswan Governorate. Visits were made by the AED team to a number of governmental and non governmental organizations, *i.e.* Aswan Education Directorate, the Environmental Affairs Department, Aswan Governorate, Aswan Governor Office and the Basma Hotel . All parties showed complete cooperation with the AED team and willingness to implement these workshops.

On the other hand, an important meeting was held with higher officials of the EEAA, the Ministry of Education, its Environmental and population Department and the Central Department of Technical Education. This meeting was held on the 25 March, at the Sheperd Hotel. The objective of the meeting was to introduce the SWM materials to those officials and to get their feedback. The meeting lasted for 3 hours where the participants tested some of the activities by themselves. They expressed their appreciation towards the learning supplement. In addition they encourage the AED team to implement more workshops on this material. (see annex 1, list of participants in the 25th March meeting).

ASWAN WORKSHOPS

The two Solid Waste Management workshops were held on 28 and 29 March. The total number of participants who attended the workshops was 62 teachers, in addition to 10 supervisors from the Education Directorate in Aswan. The number of female teachers in both workshops was 19, (see annex 2, list of participants in both workshops). About 71% of the teachers who participated in both workshops had the University degrees, while the rest were graduated in Middle Level Institutes. Teachers came also from different backgrounds, *e.g.* Faculties of Commerce, Agriculture, Science, Home Economics, Social Services, Sports,..etc. A percentage of 11% were working in commercial schools, 13% in agricultural schools, 8% in hotel schools, and the largest percentage, 68%, were working in industrial schools.



THE AED MEETING WITH HIGHER OFFICIALS OF THE MINISTRY OF EDUCATION, EEAA, AND THE EPD. THE PHOTOS SHOW THE PARTICIPANTS DURING WORKING IN SMALL GROUPS



PARTICIPANTS IN QUENA WORKSHOP DURING THE PRESENTATION OF THE WORKING GROUPS

SOHAG AND QUENA WORKSHOPS

Two other workshops were held in Quena and Sohag Governorates in the period of 1-2 April, 2001. These two workshops were done in cooperation with the British SEAM project (support of Environmental Awareness and Management). The initiative came from Dr. Philip Jago, the SEAM project manager, who expressed his willingness to contribute in the dissemination of the learning supplement among secondary schools in the two of the Governorates where SEAM is active *i.e.* Quena and Sohag. The SEAM Project has already cooperated before with AED in the development of the SWM Book; ten case studies on SWM from different areas in Egypt were taken from SEAM previous work and included in Chapter 4. AED provided the training materials and cover the trainers' transportation, accommodation and fees, while SEAM covered the costs of teachers transportation, rental of a the conference room, and break and lunch.

The total number of participants who attended Quena and Sohag workshops was 88 teachers including the Education Directorate officials in both Governorates. The number of female teachers in both workshops was 25, (see annex 3, and 4, list of participants in both workshops). In Quena, about 54.5% of the teachers who participated in the workshop were graduated in the University, while the rest, (45.5%), were graduated in Middle Level Institutes. A percentage of 20.5% were working in commercial schools, 11.4% in agricultural schools, and the largest percentage, 68.2%, were working in industrial schools.

However, in Sohag, only 15.6% of the teachers who participated in the workshop were graduated in the University, while the 84.4% were graduated in Middle Level Institutes. A percentage of 9.4% were teaching in agricultural schools, 6.3% in hotel schools, and the largest percentage, 84.4 % were working in industrial schools.

WORKSHOPS PROCEEDINGS

All the 4 workshops started by distributing a pre-workshop evaluation forms, where participants were asked to answer some questions that helped in assessing their knowledge about solid waste management issues. (see annex, 5, the pre-evaluation results in the 4 workshops)

The opening session started by welcome speech, then the objectives of the workshop were explained and the work team was introduced. Then, participants had the chance to get to know each other. In Aswan, a speech was made by engineer Mohammed Kamal, head of the Central Department for Environmental Training, Education and Awareness/



PARTICIPANTS IN ASWAN 2ND WORKSHOP, 29 MARCH 2001



**THE ABOVE PHOTO SHOWS THE GOVNER, GENERAL DOCTOR
KAMAL AMER DURING HIS SPEECH IN ASWAN WORKSHOP. THE
BELOW PHOTO SHOWS SOME OF THE HIGHER OFFICIALS WHO
ATTENDED THE WORKSHOP FROM THE EEAA, MOE AND THE
TECHNICAL EDUCATION DEPARTMENT**

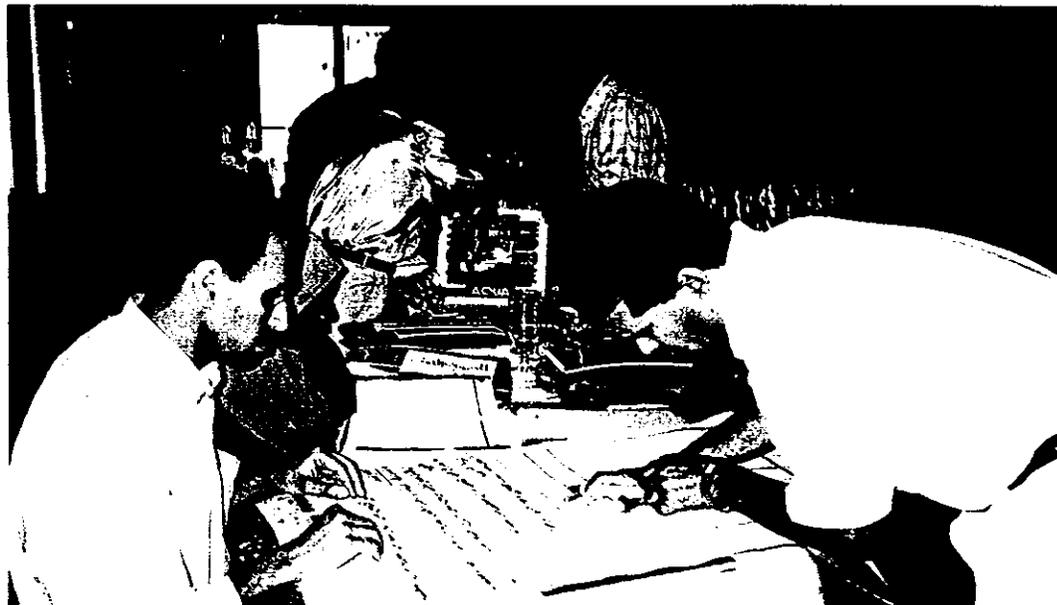
EEAA. Mr. Kamal focused on the importance of the solid waste management issue and gave some examples which helped the participants in recognizing the value of this issue. Both workshops were attended by Mr. Mohammed Abd ElRahman Hamza, the Head of the Central Department of the Technical Education in Cairo and Ms. Salwa Mahmoud, the General Director of the Technical Education in Aswan. They welcomed all participants and wished them a successful training.

In the second workshop, Mr Khairy Ahmad, the Director of the Education Directorate in Aswan, visited the participants during the day and watched the activities they were implementing and he made some remarks about how important and effective these activities are when transferred to the students in the secondary technical schools. The second workshop was also attended by Dr. Hussain El Tahtawy, Director of the Environmental Affairs Department in Aswan; and the General Manager of the GTZ Project in Aswan. They talked about the projects they are doing in the Governorate and their effect on the local environment.

The second workshop was honored by the presence of General, Doctor, Kamal Amer, the Governor of Aswan who talked about the activities carried out in the Governorate concerning the environment. He also encouraged the teachers to take positive actions towards their local environment and in their schools.

In Quena Mr. Abd El Wadood Abd ElBary, Director of the Environmental and population Education Department in Quena talked about environmental ethics in religions. The workshop was also attended by SEAM representatives, Mr. Hosam Aziz and Mr. Khalid Baiuomy.

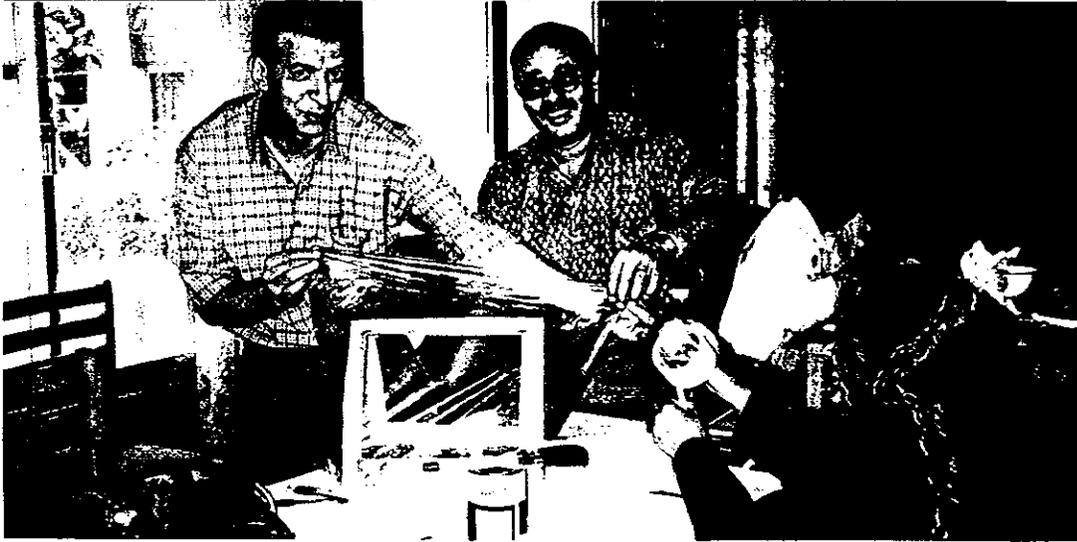
In the opening session of the workshop in Sohag Governorate Mr. Fathey Othman, the General Director of the Technical Education gave a short speech on the relationship between the technical education and the environmental education. In addition, he gave some examples of the efforts done in Sohag concerning the local environment. The workshop was also attended by SEAM representatives; Mr. Hosam Aziz and Dr. Ahmad Aziz who talked about SEAM project efforts in the Governorate.



ASWAN 1ST WORKSHOP. PARTICIPANTS DURING THE IMPLEMENTATION OF SWM ACTIVITIES WHERE THEY WORKED IN SMALL GROUPS



***PARTICIPANTS DURING THE IMPLEMENTATION OF SWM
ACTIVITIES IN ASWAN 2ND WORKSHOP***



**SOHAG WORKSHOP, APRIL, 2. PARTICIPANTS WORKING IN
THEIR SMALL GROUPS**



THE FIRST PHOTO SHOWS PARTICIPANTS IN SOHAG AFTER THE PREPARATION OF A LAND FILL MODEL. THE SECOND PHOTO SHOWS THE PARTICIPANTS DURING THE IMPLEMENTATION OF THE ACTIVITY DISCUSSING THE ACTION OF OUR OLD PARENTS TOWARDS THE ENVIRONMENT

Trainers followed a participatory approach in order to encourage all the participants to discuss issues and share information. The technique followed during the training depended on working in small groups where some of the activities were implemented by the participants and presented later in the plenary session. In addition a plenary session was allocated to introduce the learning supplement (see annex 6, Workshop Agenda in the 3 Governorates).

By the end of each workshop a final evaluation forms were distributed and participants were asked to answer questions concerning the workshop, and the learning supplement. (see annex 7, the results of the final evaluation in the 4 workshops).

ANALYSIS OF THE WORKSHOP PRE-EVALUATION

I. Aswan 1,2

After analyzing the two workshops pre-evaluation forms, it was found that:

1- The percentage of the participants who had never attended training workshops on environmental education was 94.4 and 100%, respectively.

2- Most of the activities carried out by teachers in the field of environment in their schools were concentrated on raising students environmental awareness through posters, lectures and vedio films, in addition to tree planting, school cleaning, and solid wastes disposal.

3- A percentage of 28% in the first workshop and 0% in the second one, gave the right answer when asked about the objectives of the environmental education. On the other hand, 72 and 61%, respectively, of the participants gave the right answer when asked about the sources of solid wastes, they mentioned houses, streets, factories, hospitals ..etc.

4- It seems that participants did not have much information about the elements of the solid waste management, (only 6% gave the right answer in the first workshop while in the second one no answer was given), and when they were asked about the difference between recycling and reuse , only 30% gave the right answer in the first workshop while no correct answer was given in the second one.

5- No one knew about environmental auditing in both workshops, but most of the participants knew that there are benefits for solid waste recycling, such as saving raw , disposal of the solid wastes, protecting the environment from pollution, in addition to increasing production and saving energy.

6- Almost all participants in the first workshop (94.4%) and about 75% in the second one mentioned that their schools could play an important role in protecting the environment by conducting activities concerning garbage collection, tree planting cleaning up in and outside the school, raising the students awareness by conducting workshops and symposiums on environmental issues, producing posters on the ways and methods of environmental protection.

II. QUENA WORKSHOP

1- A high percentage of participants (96%) did not attend any training workshops on environmental education before.

2- About 67 % of the teachers have done environmental activities in their schools. These activities concentrated on school clean up, raising the students environmental awareness through posters, workshops, research, designing wall magazines and watching video films, and planting trees in the school

3- No right answer was given when teachers were asked about the objectives of the environmental education, while about 31% gave answers which were right to some extent. But most of the teachers, however, knew the main sources of solid wastes.

4- Participants did not know the elements of the solid waste management, (0% gave the right answer and 30% gave answers which were right to some extent). In addition, no one knew the difference between materials recycling and reuse, although most of them (90%) said that there are lots of benefits for recycling materials. And they summarized these benefits in increasing the production by saving the raw materials and producing energy, manufacturing of new useful things, reducing pollution , and creating new jobs for the youth.

6- Most of the participants (90%) mentioned that their schools could play an important role in protecting the environment by raising the students awareness on environmental protection through posters, workshops, video films, tree planting, and the formation of environmental groups in the schools.

3- SOHAG WORKSHOP

1- Most of the participants (95%) did not attend any training workshops on environmental education before. However, 65% of them have implemented environmental activities in their schools. These activities focused on raising the students awareness through role playing, posters, research, video films, competitions, cleaning the school and the workshops, planting trees and painting the school walls. In addition, teachers said that they usually inform the education official people in Sohag of any damage occur in the school building immediately for reparation.

2- No one of the teachers gave the right answer when asked about the objectives of the environmental education, while about 37% gave answers which were right to some extent, (the rest of the participants answers was either wrong answers or did not answer at all, see annex 5 the pre-evaluation results).

3- Although participants did not know the elements of the solid waste management, a percentage of 67% gave answers ranged between right to right to some extent when asked about the difference between materials recycling and reuse, but about 75% of the participants gave the right answer when asked about the benefits of materials recycling.

4- No one knew the meaning of environmental auditing.

5- Participants showed interest in protecting the environment in their city by raising the environmental awareness of the population around the school through tree planting, summer camps, lectures and posters produced by the students and the people.

THE FINAL EVALUATION

The following is the summary of the participants final evaluation of the workshop:

1- Almost all the participants said that they were completely satisfied with the workshop and they completely benefited from it.

2- Participants expressed high appreciation to the solid waste management learning supplement; their responses ranged between excellent and very good.

3- When teachers were asked about their suggestions to integrate environmental activities in their work with students they said that one of the things they are going to do is implementing the activities in the SWM

book with the students. In addition, they are going to prepare some booklets about the environment in different subjects.

They also suggested that similar workshops should be conducted with the students and not only the teachers. They added that they will conduct awareness raising campaigns about waste recycling , and they will try to create time for this kind of activities. One suggestion that was raised in the 3 Governorates is implementing workshops and lectures for students about different environmental issues. They also proposed that such workshops should be repeated more than once and its duration should be more than one day.

However, Participants expressed their concerns about the funding of such activities and they suggested that environmental education should be funded through the Ministry of Education to provide the materials necessary for conducting the activities. Participants in some schools raised the issue of providing the schools with computers and VCRs to be able to show the students the CD and the vedio tape.

LESSONS LEARNED AND RECOMMENDATIONS

During the preparation and implementation of this work we have learned several lessons, The following are some of them.

- 1- It is very important to set all the arrangements with the officials in each Governorate before the start of the workshop. This will make the work easier.
- 2- It is important that some of the officials visit the participants during the training, because this always encourage them and become as an important support for them.
- 3- A one day training for such a kind of activities is not enough, especially with the large number of participants. This becomes exhausting for both the participants and the trainers.
- 4- The follow up of the letters and faxes sent through any official office is very important so that no mistakes occur.
- 5- The best way to introduce the SWM learning supplement is through the workshops, because we found that this material was already in all the schools but teachers did not lay a hand on it. After the workshop they understood what is in it and thus they promised to use it when going back to their schools.

ANNEX (1)
LIST OF PARTICIPANTS IN THE MEETING
ON MARCH, 25, 2001

قائمة بأسماء المشاركين والمشاركات
بورشحة عمل إدارة المخلفات الصلبة
وزارة التربية والتعليم / جهاز شئون البيئة
فندق شبرد - قاعة أمباسادور
٢٥ مارس ٢٠٠١

وزارة التربية والتعليم

- مهندس / محمد رجب شرابي - وكيل أول وزارة التربية والتعليم ، والمشرف علي قطاع التعليم والمشرف علي مكتب الوزير .

الإدارة المركزية للتعليم الفني

- الأستاذ / محمد عبد الرحمن حمزة - وكيل وزارة التربية والتعليم .

الإدارة المركزية للتعليم الثانوي

- د/البياز عبد الرحمن البياز - رئيس الإدارة المركزية للتعليم الثانوي .

الإدارة المركزية للتربية البيئية والسكانية

- الأستاذ / محمد رضا علي ابراهيم - مدير عام التربية البيئية و السكانية .
- الأستاذ / سمير عبد المعطي - مدير إدارة .
- الأستاذة / الهام محمد أبو الخير - مدير إدارة .
- الأستاذة / اعتماد أحمد محمد - خبيرة بالإدارة .
- الأستاذ / حمدي محمود - مدير إدارة .
- الأستاذ / أحمد شعبان علي - خبير بالإدارة .
- الأستاذ / الفريد باقي - مدير إدارة .
- الأستاذة / زينب محمد قطب توفيق - مدير إدارة .

الإدارة العامة للتعليم الزراعي

- مهندس / عاصم عثمان محمد - مدير عام .

جهاز شئون البيئة

- الأستاذ / محمد كمال - مدير الإدارة المركزية للإعلام .
- الأستاذة / هدي الشايب - مدير عام الإدارة العامة للتدريب البيئي .
- الأستاذة / ليلى عبد العظيم قنديل - أخصائي تدريب .
- الأستاذة / رشا محروس خالد - أخصائي تدريب .

أكاديمية تطوير التعليم

- د. لين مورتونسون
- د. شريف قنديل
- د. حسن أبو بكر
- د. هاله عادل
- أ. ماجدة جمعة
- أ. علي سمير

ANNEX (2)
LIST OF PARTICIPANT IN ASWAN
WORKSHOPS, 28-29 MARCH

" أنت جزء من الحل "

ورشة عمل لمدرسي ومدرسات المدارس الثانوية الصناعية

فندق بسمة بأسوان

٢٨ مارس ٢٠٠١

قائمة بأسماء المشاركين والمشاركات

الاسم	الجهة
١- كنز الدين حسن محمد	مدرسة كوم أمبو الزراعية
٢- محمد حسن نصير	مدرسة كوم أمبو الصناعية
٣- جمال ياسين	مدرسة كوم أمبو الصناعية
٤- محمد عبد الرازق	المدرسة الميكانيكية
٥- ناهد فاروق	مدرسة سوزان مبارك - أسوان
٦- إيمان توفيق	مدرسة سوزان مبارك - أسوان
٧- عبد الهادي أحمد	مدرسة دراو
٨- طه عبد الله	مدرسة أبو الريش بحري
٩- محمد عبد الله	مدرسة أبو الريش بحري
١٠- عبد الصبور حازم محمد	مدرسة نصر النوبة
١١- عبد الله محمد محمد	مديرية التربية والتعليم - أسوان
١٢- سيد إبراهيم	مدرسة عبد الشكور حجازي الفنية
١٣- حسين محمد زقالي	مديرية التربية والتعليم - أسوان
١٤- صيام عبد الحفيظ	مدرسة عبد الشكور حجازي الفنية
١٥- سعاد سيد	مدرسة الفنية بنات بالمحمودية
١٦- حسناء صبحي علي	مدرسة الفنية بنات بالمحمودية
١٧- شادية عبد الحكيم	المدرسة الفندقية المتقدمة
١٨- جمالات بهيج مصطفى	المدرسة الفندقية المتقدمة
١٩- جوان جورج	مديرية التربية والتعليم - أسوان
٢٠- أنهار سعد الشازلي	مديرية التربية والتعليم - أسوان
٢١- عبد العزيز عوض	مدرسة الفنية للبنات
٢٢- عوض نصحي	مدرسة محمد صالح حرب
٢٣- خالد سليم بيومي	مدرسة كوم أمبو الزراعية
٢٤- علاء الدين محمد	أسوان الصناعية المهنية
٢٥- حسن يوسف عبد الحافظ	أسوان الصناعية المهنية
٢٦- مبارك محمد علي	أسوان الثانوية الصناعية بنات
٢٧- محمد كمال	جهاز شئون البيئة
٢٨- عبد الرحيم محمود	مدرسة محمد صالح حرب ٣ سنوات
٢٩- أشرف فاروق	مدرسة محمد صالح حرب ٣ سنوات
٣٠- عواطف محمد	مدرسة التجارة الثانوية بنين
٣١- إبتسام حسن	مدرسة التجارة الثانوية بنين

الجهة

الاسم

مديرية التربية والتعليم - أسوان
 وزارة التربية والتعليم
 دراوا الفنية بنات
 المدرسة الخزرفية - أسوان
 المدرسة الخزرفية - أسوان
 وزارة التربية والتعليم
 مدرسة عنيبة الزراعية
 مدرسة عنيبة الزراعية
 مدرسة كامل الصناعية

٣٢- سلوي محمود
 ٣٣- محمد عبد الرحمن حمزة
 ٣٤- سيد محمد
 ٣٥- أبو السعود إبراهيم
 ٣٦- أحمد محمود فراج
 ٣٧- عثمان أحمد محمد
 ٣٨- غياث جاد نادر
 ٣٩- عبد الوارث أحمد مرعي
 ٤٠- صبري منير محمد

” أنت جزء من الحل ”

ورشة عمل لمدرسي ومدرسات المدارس الثانوية الصناعية

فندق بسمة بأسوان

٢٩ مارس ٢٠٠١

قائمة بأسماء المشاركين والمشاركات

الاسم	الجهة
١- بشري حبيب	مدرسة سلو الثانوية الصناعية بنات
٢- أحمد محمد البدرى	مدرسة سلو الثانوية الصناعية بنات
٣- محمد هاشم	مدرسة كلابشة الفنية بنات
٤- عبد الخالق حسن	مدرسة كلابشة الفنية بنات
٥- محمد عبد العال	مدرسة إدفو الصناعية بنات
٦- أحمد محمد أبو زيد	مدرسة إدفو الصناعية بنات
٧- عبد الله محمد محمود	مديرية التربية والتعليم
٨- فاضل خواص	مدرسة محمد صالح حرب ٥ سنوات
٩- سامي صابر زكي	مدرسة أسوان الزخرفية
١٠- يسري مرسال	مدرسة أسوان الزخرفية
١١- فرغلي طاهر	مدرسة كوم أمبو التجارية
١٢- سهير حسين أحمد	مدرسة كوم أمبو الثانوية الصناعية
١٣- نوال حسين	مدرسة محمد صالح حرب ٥ سنوات
١٤- محمد حسين	مديرية التربية والتعليم- أسوان
١٥- حليلة السعدية عبد الحليم	مديرية التربية والتعليم- أسوان
١٦- نادية نجيب	المدرسة الثانوية الفندقية ٢ سنوات
١٧- نبيل أسعد	مديرية التربية والتعليم- أسوان
١٨- سلوي محمود	مديرية التربية والتعليم- أسوان
١٩- جمال محمود	مدرسة محمد صالح حرب الميكانيكية
٢٠- سعد عبد العاطي	مدرسة محمد صالح حرب ٢ سنوات
٢١- عماد منير	مدرسة كوم أمبو الثانوية التجارية
٢٢- حمدي عبد حسن	مدرسة الرديسية الصناعية المشتركة بأدفو
٢٣- مصطفى بيومي	مدرسة الرديسية الصناعية المشتركة بأدفو
٢٤- حسين مهلل	مدرسة إدفو الصناعية بنين
٢٥- أحمد مصطفى	مدرسة إدفو الصناعية بنين
٢٦- حمدي عبد الشافي	عنية الثانوية الزراعية
٢٧- مني زكي	المدرسة الثانوية الفندقية ٢ سنوات
٢٨- حنان شاكر	دراو الثانوية الصناعية
٢٩- هالة يوسف	دراو الثانوية الصناعية
٣٠- محمود رزق	أسوان الفندقية المتقدمة
٣١- عبد الحافظ محمد	أسوان الفندقية المتقدمة

الجهة	الاسم
مدرسة الثانوية الزراعية	٣٢- طلعت جودة
نصر النوبة الفنية بنات	٣٣- نجوي الشاذلي
نصر النوبة الفنية بنات	٣٤- امال إبراهيم
مدرسة دراو التجارية	٣٥- ربيع أحمد محمود
مدرسة دراو التجارية	٣٦- عبد الغني حسن
مدرسة ادفو الثانوية الزراعية	٣٧- سعيد محمد
مدرسة ادفو الثانوية الزراعية	٣٨- محي الدين زكي
جهاز شئون البيئة	٣٩- محمد كمال
إدارة شئون البيئة - أسوان	٤٠- حسين الطحطاوي
وزارة التربية والتعليم	٤١- محمد عبد الرحمن حمزة
هيئة التجميل والنظافة - أسوان	٤٢- حسن عبد الحي
محافظة أسوان	٤٣- كمال عامر

ANNEX (3)
LIST OF PARTICIPANT IN SOHAG
WORKSHOP, APRIL, 2

" أنت جزء من الحل "

ورشة عمل لمدرسي ومدرسات المدارس الثانوية الصناعية

فندق ميريت امون - سوهاج

٢ ابريل ٢٠٠١

قائمة بأسماء المشاركين والمشاركات

الاسم	الجهة
١- جلال أحمد محمد	مديرية التربية والتعليم بسوهاج
٢- حكيم حبيب	إدارة المنشاه
٣- عبد الرحيم محمد شحاتة	مدرسة سوهاج الزخرفية
٤- محمود عبد السميع	مدرسة سوهاج الزخرفية
٥- سميحة عثمان	ديوان التربية والتعليم بسوهاج
٦- آمال فرج	ديوان التربية والتعليم بسوهاج
٧- توفيق الفونس	ديوان التربية والتعليم بسوهاج
٨- اعتماد أحمد محمد	ديوان عام الوزارة
٩- الهام أبو الخير	ديوان عام الوزارة
١٠- السيد شعبان قاسم	مدرسة جرجا الزراعية
١١- أشرف رجب	مدرسة جرجا الزراعية
١٢- ياسر أحمد	مدرسة طما الصناعية
١٣- نبيل جاد	المنشاه الثانوية الصناعية
١٤- حمدي محمد ابراهيم	مدرسة جرجا
١٥- امام عبد العزيز	مدرسة جرجا
١٦- ربيع رمضان	المدرسة الفنية بنات بسوهاج
١٧- نصره زكريا	المنشاه
١٨- بخيطة السيد	المدرسة الفنية بنات - طهطا
١٩- عبد الناصر حامد	مدرسة أحميم الفنية بنات
٢٠- صبري يوسف	مدرسة أحميم الصناعية بنات
٢١- خلف ابراهيم دسوقي	مدرسة سوهاج الميكانيكية
٢٢- عبد العليم عبد المتجلي	مدرسة سوهاج الميكانيكية
٢٣- فنجري محمود	مدرسة مبارك الثانوية
٢٤- ياسر ابراهيم	مدرسة مبارك الثانوية
٢٥- همام محمد حافظ	مديرية التربية والتعليم
٢٦- رزق لوقا	مديرية التربية والتعليم
٢٧- عبد الناصر عبد العال	مديرية التربية والتعليم
٢٨- علي عبد الرحيم	مدرسة ششنا الثانوية الفنية
٢٩- محمد أحمد فرغلي	مدرسة سوهاج الثانوية بنات
٣٠- ابراهيم عبد الحميد	مدرسة طهطا الصناعية بنين
٣١- السيد أحمد جاد الكريم	مدرسة طما الثانوية الصناعية
٣٢- ماجد أحمد	مدرسة طهطا الصناعية بنين

الاسم	الجهة
٣٣- شادية فايق	المدرسة الفندقية بالكوثر
٣٤- راندا فرج	المدرسة الفندقية بالكوثر
٣٥- دعاء محمد	المدرسة الصناعية بنات بطهطا
٣٦- طارق سليمان	مدرسة طهطا الزراعية
٣٧- مدحت عبد الباسط	مدرسة طهطا الزراعية
٣٨- فتحي أحمد عثمان	التربية والتعليم
٣٩- أحمد طه مهران	التربية والتعليم
٤٠- جاد الكريم عبد الحكيم	شئون البيئة بالمحافظة
٤١- مختار حكيم	شئون البيئة بالمركز
٤٢- عصام جرجس	مدرسة المنشأة الثانوية الصناعية

ANNEX (4)

**LIST OF PARTICIPANT IN QUENA
WORKSHOP, APRIL, 1**

" أنت جزء من الحل "

ورشة عمل لمدرسي ومدرسات المدارس الثانوية الصناعية

قاعة اجتماعات وزارة التربية والتعليم - قنا

١ أبريل ٢٠٠١

قائمة بأسماء المشاركين والمشاركات

الاسم	الجهة
١- صادق بكار	مدرسة قنا الثانوية الزراعية
٢- تهاني كرلس	مدرسة قنا الفنية بنات
٣- نادية محمد محمود	مدرسة قنا الصناعية الزخرفية
٤- عنايات شوقي	مدرسة قنا الصناعية الزخرفية
٥- زينب محمود	مدرسة قنا الصناعية الزخرفية
٦- نصر حسن أحمد	مديرية التربية والتعليم
٧- أحمد عبد القادر	مدرسة قنا الثانوية الزخرفية
٨- ليلى شاكر	مدرسة قنا الصناعية بنات
٩- عطيات عبد المنعم	مدرسة قنا الزخرفية
١٠- أحمد عبد المطلب	مدرسة قنا الزخرفية
١١- هاشم عبد الوهاب	مدرسة قنا الزخرفية
١٢- سوزان بنية ميلاد	مدرسة قنا الفنية بنات
١٣- أحمد ناجي	مدرسة قنا الزخرفية
١٤- نشأت سمير	مدرسة قنا الزراعية
١٥- مدحت حليم	مدرسة قنا الزراعية
١٦- جرجس بارزغانيس	مدرسة قنا الثانوية
١٧- عبد الله أبو المجد	مدرسة قنا الزخرفية
١٨- أحمد سمير	مدرسة قنا الزخرفية
١٩- بيتر أنور لبيب	مدرسة قنا الثانوية الميكانيكية
٢٠- منصور محمود	مدرسة قنا الزخرفية
٢١- فاتن عبد العزيز	مدرسة التجارة بنات
٢٢- وئام محمد	مدرسة التجارة بنات
٢٣- إيمان محمد	مدرسة قنا الثانوية التجارية بنات
٢٤- أماني رشدي	مدرسة قنا الصناعية الفنية للبنات
٢٥- عواطف كامل	المدرسة الثانوية الفنية بنات
٢٦- أحمد محمد يوسف	مدرسة قنا الميكانيكية
٢٧- السيد علي أحمد	مدرسة قنا الميكانيكية
٢٨- نجيدة يوسف	مدرسة التجارة للبنات
٢٩- مارسيل ماهر	مدرسة التجارة للبنات
٣٠- علي محمد السماني	مديرية قنا التعليمية

الاسم	الجهة
٣١- عبد الدود عبد الباري	مديرية قنا التعليمية
٣٢- عبد الفتاح يوسف	مديرية قنا التعليمية
٣٣- ست بطيرس شحاتة	المدرسة الزخرفية بنين
٣٤- نبيل عبد النور ميخائيل	مدرسة قنا الميكانيكية
٣٥- محمد جمال عبد العزيز	مدرسة قنا الثانوية الصناعية
٣٦- سيد عبد الراضي	مدرسة قنا الثانوية الزراعية
٣٧- أشرف محمد	المدرسة الثانوية الزخرفية بنين
٣٨- عبد الهادي عبد الستار	مدرسة قنا الثانوية الزراعية
٣٩- يحيى محمد خليفة	مدرسة قنا الميكانيكية
٤٠- محمد محمود يونس	مدرسة قنا الثانوية الزراعية
٤١- عماد بنية	مدرسة قنا الثانوية الزراعية
٤٢- مدثر ابراهيم حسين	مدرسة قنا الثانوية الزراعية
٤٣- محمد خير الدين عبد العزيز	مكتب شئون البيئة بمحافظة قنا
٤٤- ثناء عبد الحميد	مدرسة قنا الثانوية الزراعية
٤٥- سميحة عمر محمد	مدرسة قنا الثانوية الزراعية
٤٦- هانم محمد مكي	مدرسة التجارة بنات
٤٧- مصطفى حسن	مدرسة قنا الثانوية الزخرفية
٤٨- عزت حلمي	مدرسة قنا الثانوية الميكانيكية
٤٩- عادل عبد السلام	مدرسة قنا الثانوية الميكانيكية
٥٠- شادية محمد اسماعيل	مدرسة التجارة الثانوية للبنات
٥١- الفت زكي جورجوس	مدرسة قنا الفنية الصناعية بنات
٥٢- نادية ابراهيم	مدرسة قنا الفنية الصناعية بنات
٥٣- معتزة عبد اللاه	مدرسة قنا الفنية الصناعية بنات
٥٤- مجدي يوسف	مدرسة قنا التجارية بنات
٥٥- وافي حمزة محمد	مدرسة قنا التجارية بنات
٥٦- فانت منير شكري	مدرسة قنا التجارية بنات

ANNEX (5)
THE INTERPRETATION OF THE PRE-
EVALUATION FORMS IN THE 4 WORKSHOPS

**INTERPRETATION OF THE PRE-EVALUATION CARRIED
OUT WITH TECHNICAL SECONDARY SCHOOL TEACHERS
IN ASWAN GOVERNORATE CONCERNING
SOLID WASTE MANAGEMENT ISSUES
1st WORKSHOP: MARCH 28-2001**

TOTAL PRE-EVALUATION FORMS = 36

**1- HAVE YOU PARTICIPATED BEFORE IN ANY ENVIRONMENTAL
EDUCATION WORKSHOPS?**

	%
yes	(5.6)
No	(94.4)

**2- DO YOU IMPLEMENT ANY ENVIRONMENTAL ACTIVITIES IN
YOUR SCHOOL?**

	%
yes	(75)
No	(25)

3- IN CASE OF YES, PLEASE GIVE EXAMPLES

THE ENVIRONMENTAL ACTIVITIES	%
1- Raising the students environmental awareness and attitudes	44.6
2- Tree planting and tree planting camps	27.8
3- Forming environmental groups for environmental preservation	27.8
4- Site visits research implementation on issues related to the environment	14

**4- WHAT DO YOU KNOW ABOUT THE ENVIRONMENTAL
EDUCATION OBJECTIVES?**

	%
Right answer	27.8
Right to some extent	61.1
Wrong answer	0
No answer	11.1

5- WHAT ARE THE SOURCES OF SOLID WASTES?

	<i>%</i>
Right answer	72.2
Right to some extent	8.3
Wrong answer	11.1
No answer	8.3

**6- WHAT ARE THE ELEMENTS OF SOLID WASTE MANAGEMENT?
(IN ORDER TO ITS IMPORTANCE)**

	<i>%</i>
Right answer	5
Right to some extent	14
Wrong answer	39
No answer	42

7- WHAT IS THE DIFFERENT BETWEEN REUSE AND RECYCLE?

	<i>%</i>
Right answer	30.5
Right to some extent	16.7
Wrong answer	22.2
No answer	30.6

8- WHAT DO YOU KNOW ABOUT ENVIRONMENTAL AUDITING?

	<i>%</i>
Right answer	0
Right to some extent	0
Wrong answer	39
No answer	61

9- ARE THERE ANY BENEFITS FROM WASTES RECYCLING ?

	<i>%</i>
yes	66.7
No	2.8
No Answer	30.6

10- IN CASE OF YES, MENTION THESE BENEFITS

BENEFITS OF RECYCLING	%
1- Get rid of the solid wastes and benefit from it	47.2
2- Creating a clean environment with no pollution	22.2
3- Developing the national economic.	22.2
4- Wrong answer	8.3

11- DO YOU CONSIDER YOUR SCHOOL PLAYING A ROLE IN ENVIRONMENTAL PROTECTION IN YOUR CITY?

	%
yes	94.4
No	0
No Answer	5.6

12- IN CASE OF YES, PLEASE EXPLAIN HOW?

THE ROLE OF THE SCHOOL IN PROTECTING THE ENVIRONMENT	%
1- Implementing several camps with the students concerning cleaning the school and tree planting in and out door.	89
2- Forming an environmental group to keep the environment in the school clean and to raise the students awareness towards the environmental issues	42
3- Implementing several workshops about the hazards of environmental pollution	25
4- Conducting some environmental school activities such as the recycling of some materials.	11

**INTERPRETATION OF THE PRE-EVALUATION CARRIED
OUT WITH TECHNICAL SECONDARY SCHOOLTEACHERS
IN ASWAN GOVERNORATE CONCERNING
SOLID WASTE MANAGEMENT ISSUES
2nd WORKSHOP: MARCH 29-2001**

TOTAL PRE-EVALUATION FORMS = 36

**1- HAVE YOU PARTICIPATED BEFORE IN ANY ENVIRONMENTAL
EDUCATION WORKSHOPS?**

	%
yes	0
No	100

**2- DO YOU IMPLEMENT ANY ENVIRONMENTAL ACTIVITIES IN
YOUR SCHOOL?**

	%
yes	86
No	0
No Answer	14

3- IN CASE OF YES, PLEASE GIVE EXAMPLES

THE ENVIRONMENTAL ACTIVITIES	%
1- Raising the students environmental awareness through posters, workshops and vedio films	52
2- Conducting several camps concerning tree planting, school cleaning, and solid wastes disposal	52
3- Supervising the environmental group activities in the school	19
4- Site visits and trips to recognize some environmental issues	13
5- Cleaning the school and drawing some pictures concerning environmental preservation	10
6- Conducting research on environmental pollution	10

4- WHAT DO YOU KNOW ABOUT THE ENVIRONMENTAL EDUCATION OBJECTIVES?

	<i>%</i>
Right answer	0
Right to some extent	39
Wrong answer	56
No answer	5

5- WHAT ARE THE SOURCES OF SOLID WASTES?

	<i>%</i>
Right answer	61
Right to some extent	25
Wrong answer	11
No answer	3

6- WHAT ARE THE ELEMENTS OF SOLID WASTE MANAGEMENT? (IN ORDER TO ITS IMPORTANCE)

	<i>%</i>
Right answer	0
Right to some extent	5
Wrong answer	28
No answer	67

7- WHAT IS THE DIFFERENT BETWEEN REUSE AND RECYCLE?

	<i>%</i>
Right answer	0
Right to some extent	11
Wrong answer	25
No answer	64

8- WHAT DO YOU KNOW ABOUT ENVIRONMENTAL AUDITING?

	<i>%</i>
Right answer	0
Right to some extent	0
Wrong answer	8
No answer	92

9- ARE THERE ANY BENEFITS FROM WASTES RECYCLING ?

	<i>%</i>
yes	42
No	8
No Answer	50

10- IN CASE OF YES, MENTION THESE BENEFITS

BENEFITS OF RECYCLING	<i>%</i>
1- No answer	61.2
2- Benefit from it by providing raw materials for some industries	22
3- Get rid of the solid wastes	17
4- Saving the raw materials	8.3
5- Protecting the environment from pollution	6
6- Increasing the production and saving energy	6

11- DO YOU CONSIDER YOUR SCHOOL PLAYING A ROLE IN ENVIRONMENTAL PROTECTION IN YOUR CITY?

	<i>%</i>
yes	75
No	0
No Answer	25

12- IN CASE OF YES, PLEASE EXPLAIN HOW?

THE ROLE OF THE SCHOOL IN PROTECTING THE ENVIRONMENT	<i>%</i>
1- Conducting several camps concerning garbage collection, tree planting and cleaning in and outside the school.	48
2- Training the students how to protect the environment around them and raising their awareness	44
3- Conducting workshops and symposiums on environmental issues	22
4- Producing posters on environmental protection	19

**INTERPRETATION OF THE PRE-EVALUATION CARRIED
OUT WITH TECHNICAL SECONDARY SCHOOL TEACHERS
IN QUENA GOVERNORATE CONCERNING
SOLID WASTE MANAGEMENT ISSUES
APRIL 1-2001**

TOTAL PRE-EVALUATION FORMS = 48

**1- HAVE YOU PARTICIPATED BEFORE IN ANY ENVIRONMENTAL
EDUCATION WORKSHOPS?**

	%
yes	4
No	96

**2- DO YOU IMPLEMENT ANY ENVIRONMENTAL ACTIVITIES IN
YOUR SCHOOL?**

	%
yes	67
No	29
No Answer	4

3- IN CASE OF YES, PLEASE GIVE EXAMPLES

THE ENVIRONMENTAL ACTIVITIES	%
1- Conducting several camps concerning school cleaning	33.3
2- Raising the students environmental awareness through posters, workshops, conducting research, the wall magazine and vedio films	19
3- Planting trees in the school	8.3
4- Contacting the students directly and encourage them to be clean and not to smoke cigarettes	8.3
5- Supervising the environmental group activities in the school	2

**4- WHAT DO YOU KNOW ABOUT THE ENVIRONMENTAL
EDUCATION OBJECTIVES?**

	%
Right answer	0
Right to some extent	31
Wrong answer	67
No answer	2

5- WHAT ARE THE SOURCES OF SOLID WASTES?

	<i>%</i>
Right answer	52
Right to some extent	42
Wrong answer	4
No answer	2

**6- WHAT ARE THE ELEMENTS OF SOLID WASTE MANAGEMENT?
(IN ORDER TO ITS IMPORTANCE)**

	<i>%</i>
Right answer	0
Right to some extent	35
Wrong answer	38
No answer	27

7- WHAT IS THE DIFFERENT BETWEEN REUSE AND RECYCLE?

	<i>%</i>
Right answer	0
Right to some extent	40
Wrong answer	52
No answer	8

8- WHAT DO YOU KNOW ABOUT ENVIRONMENTAL AUDITING?

	<i>%</i>
Right answer	0
Right to some extent	8
Wrong answer	58.5
No answer	33.5

9- ARE THERE ANY BENEFITS FROM WASTES RECYCLING ?

	<i>%</i>
yes	90
No	0
No Answer	10

10- IN CASE OF YES, MENTION THESE BENEFITS

BENEFITS OF RECYCLING	%
1- Increasing the production by saving the raw materials and producing energy	56
2- Benefit from the solid wastes by manufacturing new useful things	44
3- Reducing the amount of pollution by getting rid of the garbage	28
4- Find new jobs for the youth in the recycling projects	2

11- DO YOU CONSIDER YOUR SCHOOL PLAYING A ROLE IN ENVIRONMENTAL PROTECTION IN YOUR CITY?

	%
yes	90
No	6
No Answer	4

12- IN CASE OF YES, PLEASE EXPLAIN HOW?

THE ROLE OF THE SCHOOL IN PROTECTING THE ENVIRONMENT	%
1- Teaching and raising the awareness of the students concerning environmental protection through posters, workshops and video films	70
2- Training the students on how to plant trees through camps and the public service in and outside the school	56
3- Forming an environmental group in the school	5

**INTERPRETATION OF THE PRE-EVALUATION
CARRIED OUT WITH TECHNICAL SECONDARY SCHOOL
TEACHERS IN SOHAG GOVERNORATE CONCERNING
SOLID WASTE MANAGEMENT ISSUES
APRIL, 2 -2001**

TOTAL PRE-EVALUATION FORMS = 40

**1- HAVE YOU PARTICIPATED BEFORE IN ANY ENVIRONMENTAL
EDUCATION WORKSHOPS?**

	%
yes	5
No	95

**2- DO YOU IMPLEMENT ANY ENVIRONMENTAL ACTIVITIES IN
YOUR SCHOOL?**

	%
yes	65
No	30
No Answer	5

3- IN CASE OF YES, PLEASE GIVE EXAMPLES

THE ENVIRONMENTAL ACTIVITIES	%
1- Raising the students awareness through role playing, posters, research, vedio films, competitions	96
2- Forming school groups to clean the school and the workshops	54
3- Conducting camps for cleaning the school, planting trees and painting the school wall	35
4- Informing the education official people of any damage in the school building	15

**4- WHAT DO YOU KNOW ABOUT THE ENVIRONMENTAL
EDUCATION OBJECTIVES?**

	%
Right answer	0
Right to some extent	37.5
Wrong answer	60
No answer	2.5

5- WHAT ARE THE SOURCES OF SOLID WASTES?

	<i>%</i>
Right answer	67.5
Right to some extent	17.5
Wrong answer	15
No answer	0

**6- WHAT ARE THE ELEMENTS OF SOLID WASTE MANAGEMENT?
(IN ORDER TO ITS IMPORTANCE)**

	<i>%</i>
Right answer	0
Right to some extent	15
Wrong answer	32.5
No answer	52.5

7- WHAT IS THE DIFFERENT BETWEEN REUSE AND RECYCLE?

	<i>%</i>
Right answer	10
Right to some extent	40
Wrong answer	32.5
No answer	17.5

8- WHAT DO YOU KNOW ABOUT ENVIRONMENTAL AUDITING?

	<i>%</i>
Right answer	0
Right to some extent	2.5
Wrong answer	32.5
No answer	65

9- ARE THERE ANY BENEFITS FROM WASTES RECYCLING ?

	<i>%</i>
yes	75
No	5
No Answer	20

10- IN CASE OF YES, MENTION THESE BENEFITS

BENEFITS OF RECYCLING	%
1- By using the solid wastes in making new useful things	52.2
2- Find jobs for the youth and raising the efficiency of the national economy	30
3- Decreasing the amount of solid wastes	17.5
4- Saving the raw materials and thus decreasing the price of the product	15
5- Decreasing the infection with the diseases caused by the garbage accumulation	7

11- DO YOU CONSIDER YOUR SCHOOL PLAYING A ROLE IN ENVIRONMENTAL PROTECTION IN YOUR CITY?

	%
yes	75
No	5
No Answer	20

12- IN CASE OF YES, PLEASE EXPLAIN HOW?

THE ROLE OF THE SCHOOL IN PROTECTING THE ENVIRONMENT	%
1- raising the environmental awareness of the population around the school through tree planting, camps, lectures and posters produced by the students and the people	77
2- Raising the parents awareness through the parents council	37

ANNEX (6)
THE WORKSHOP AGENDA IN THE 3
GOVERNORATES

مديرية التربية والتعليم - محافظة أسوان جهاز شئون البيئة
إدارة شئون البيئة - محافظة أسوان فندق بسمة - أسوان
..... أكاديمية تطوير التعليم
..... (البرنامج المصري للسياسات البيئية)

" أنت جزء من الحل "

ورشة عمل التربية البيئية لمدرسي المدارس الثانوية الفنية بمحافظة أسوان
من " الإدارة المتكاملة للمخلفات الصلبة "

تحت رعاية
السيد اللواء الدكتور / كمال عامر
محافظ أسوان
فندق بسمة ٢٨ - ٢٩ مارس ٢٠٠١

برنامج الورشة

- ٩.٢٠ - ٩.٢٠ ص : تسجيل المشاركين والمشاركات .
٩.٢٠ - ١٠.٢٠ ص : كلمات افتتاحية .
* كلمة د . حسن أبو بكر (منسق الورشة)
* كلمة السيد الأستاذ / خيرى أحمد حسن (مدير التربية والتعليم بأسوان)
* كلمة السيد الأستاذ / رجب شرابي وكيل أول وزارة التربية والتعليم
* كلمة السيد الأستاذ / محمد عبد الرحمن حمزة (مدير الإدارة العامة للتعليم الفني)
* كلمة السيد الأستاذ / محمد رضا (مدير الإدارة العامة للتربية البيئية والسكانية)
* كلمة السيد الأستاذ / محمد كمال (مدير الإدارة المركزية للتدريب والتوعية البيئية)
١٠.٢٠ - ١١.٠٠ ص : إستراحة شاي
١١.٠٠ - ١١.٠٠ م : تقديم ومناقشة الحقيبة التدريبية علي إدارة المخلفات الصلبة :
أ - الكتاب ب - الشفافات ج - فيلم فيديو د - القرص المدمج (C.D)
١.٠٠ - ٢.٠٠ م : التدريب علي نماذج مختارة من الأنشطة التعليمية الواردة في كتاب إدارة
المخلفات الصلبة .

العمل في مجموعات :

- مجموعة (١) : لعبة البندق نشاط تعليمي (٢) ص ١٧
مجموعة (٢) : غازات الصوبة نشاط تعليمي (٧) ص ٣٥
مجموعة (٣) : ماذا كان يفعل أهالينا ؟ نشاط تعليمي (١٤) ص ٩٧
مجموعة (٤) : تصميم نموذج مصغر لمدفن صحي نشاط تعليمي (١٥) ص ٩٩
مجموعة (٥) : فصل المخلفات الصلبة نشاط تعليمي (١٨) ص ١١١
مجموعة (٦) : اقترح برنامجاً لإدارة المخلفات في مدرستك نشاط تعليمي (٢١) ص ١٢١
مجموعة (٧) : المراجعة البيئية نشاط تعليمي (٢٤) ص ١٣٢

- ٢-٢ م : عرض ومناقشة نتائج عمل المجموعات .
٢٠.٢٠ - ٢٢ م : تقييم ورشة العمل (كيف يمكن إدماج هذه الأنشطة في الدروس والمقررات)
٢٠.٢٠ م : غداء ومغادرة .

" أنت جزء من الحل "

ورشة عمل التربية البيئية لمدرسي المدارس الثانوية الفنية بمحافظة قنا
عن " الإدارة المتكاملة للمخلفات الصلبة "
قاعة الاجتماعات بمبنى مديرية التربية والتعليم
٢ أبريل ٢٠٠١

برنامج الورشة

٩. ٢٠ - ٩. ٢٠ ص : تسجيل المشاركين والمشاركات .
٩. ٢٠ - ٩. ٢٠ ص : كلمات افتتاحية .
* كلمة د . حسن أبو بكر . (منسق الورشة)
* كلمة ممثل مشروع SEAM
* كلمة السيد الأستاذ / مدير مديرية التربية والتعليم بمحافظة قنا
١٠. ١٢. ٠٠ ص : تقديم ومناقشة الحقيبة التدريبية علي إدارة المخلفات الصلبة :
أ - الكتاب ب - الشفافات ج - فيلم فيديو د - القرص المدمج (C.D)
١٢. ٢٠ - ١٢. ٢٠ ظ : إستراحة شاي
١٢. ٢٠ - ٢. ٢ م : التدريب علي نماذج مختارة من الأنشطة التعليمية الواردة في كتاب إدارة
المخلفات الصلبة: العمل في مجموعات .
مجموعة (١) : لعبة البندق نشاط تعليمي (٢) ص ١٧
مجموعة (٢) : غازات الصوبة نشاط تعليمي (٧) ص ٢٥
مجموعة (٣) : ماذا كان يفعل أهاليينا ؟ نشاط تعليمي (١٤) ص ٩٧
مجموعة (٤) : تصميم نموذج مصغر لمدفن صحي نشاط تعليمي (١٥) ص ٩٩
مجموعة (٥) : فصل المخلفات الصلبة نشاط تعليمي (١٨) ص ١١١
مجموعة (٦) : اقترح برنامجاً لإدارة المخلفات في مدرستك نشاط تعليمي (٢١) ص ١٢١
مجموعة (٧) : المراجعة البيئية نشاط تعليمي (٢٤) ص ١٣٢
٢- ٢ م : عرض ومناقشة نتائج عمل المجموعات .
٢. ٢٠ - ٢. ٢٠ م : تقييم ورشة العمل (كيف يمكن إدماج هذه الأنشطة في الدروس والمقررات)
٢. ٢٠ م : غداء ومغادرة .

" أنت جزء من الحل "

ورشة عمل التربية البيئية للمدرسي المدارس الثانوية الفنية بمحافظة سوهاج
عن " الإدارة المتكاملة للمخلفات الصلبة :
فندق ميريت أمون ٢ أبريل ٢٠٠١

برنامج الورشة

٩.٢٠ - ٩.٢٠ ص : تسجيل المشاركين والمشاركات .

٩.٢٠ - ١٠ ص : كلمات افتتاحية .

* كلمة د. حسن أبو بكر (منسق الورشة)

* كلمة ممثل مشروع SEAM

* كلمة السيد الأستاذ / مدير مديرية التربية والتعليم بمحافظة سوهاج

١٠ - ١٢ ص : تقديم ومناقشة الحقيبة التدريبية علي إدارة المخلفات الصلبة :

أ - الكتاب ب - الشفافات ج - فيلم فيديو د - القرص المدمج (C.D)

١٢ - ١٢.٢٠ ظ : إستراحة شاي

١٢.٢٠ - ٢ م : التدريب علي نماذج مختارة من الأنشطة التعليمية الواردة في كتاب إدارة

المخلفات الصلبة: العمل في مجموعات

مجموعة (١) : لعبة البندق نشاط تعليمي (٢) ص ١٧

مجموعة (٢) : غازات الصوبة نشاط تعليمي (٧) ص ٣٥

مجموعة (٣) : ماذا كان يفعل أهاليينا ؟ نشاط تعليمي (١٤) ص ٩٧

مجموعة (٤) : تصميم نموذج مصغر لمدفن صحي نشاط تعليمي (١٥) ص ٩٩

مجموعة (٥) : فصل المخلفات الصلبة نشاط تعليمي (١٨) ص ١١١

مجموعة (٦) : اقترح برنامجاً لإدارة المخلفات في مدرستك نشاط تعليمي (٢١) ص ١٢١

مجموعة (٧) : المراجعة البيئية نشاط تعليمي (٢٤) ص ١٣٢

٢-٢ م : عرض ومناقشة نتائج عمل المجموعات .

٢-٢ م : تقييم ورشة العمل (كيف يمكن إدماج هذه الأنشطة في الدروس والمقررات)

٢-٢ م : غداء ومغادرة .

ANNEX (7)
THE INTERPRETATION OF THE FINAL
EVALUATION FORMS IN THE 4 WORKSHOPS

**INTERPRETATION OF THE FINAL EVALUATION
CARRIED OUT WITH TECHNICAL SECONDARY SCHOOL
TEACHERS IN ASWAN GOVERNORATE
1st WORKSHOP: MARCH 28-2001**

TOTAL NUMBERS OF FORMS: 36

1- IN GENERAL WHAT IS YOUR DEGREE OF SATISFACTION ABOUT THIS TRAINING?

Completely satisfied (97)	Satisfied (3)
Not Satisfied (0)	Not sure (0)

2- WHAT IS THE DEGREE OF YOUR BENEFIT OF THIS TRAINING?

Completely benefited (92)	Benefited to some extent (3)
I do not Know (0)	I did not benefit (0)

3- IN YOUR OPINION WHAT ARE THE MAIN OBJECTIVES ACHIEVED BY THIS TRAINING ?

THE MAIN OBJECTIVES OF THE WORKSHOP	%
1- We gained new information in the field of environmental education	39
2- Teachers gained new technical skills through the practical training and the general discussions	33.3
3- Provided the teachers with valuable and integrated information about SWM and environmental education in a simple and new way	30.6
4- Getting to know some new colleges in the different technical schools in Aswan	14
5- The cooperation between the members of the groups	8.3

4- WHAT DO YOU THINK ABOUT:

A- THE SOLID WASTE MANAGEMENT BOOK:

OPINIONS	%
1- It is an excellent book	36
3- It is an integrated and simple book	25
2- It is a good book	14
4- It is an interesting book with lots of information	14
5- Time was not sufficient to take a good look at it	8.3

B- THE TRANSPARENCIES

OPINIONS	%
1- Excellent transparencies	28
2- Good transparencies	22.2
3- Attractive and simple in communicating the information	22.2
4- Discussing different issues	8.3

C- THE VEDIO FILM

OPINIONS	%
1- An excellent film	39
2- A Good film	30.5
3- Attractive and Interesting	14
4- Discussing several issues	

D- THE CD

OPINIONS	%
1- An excellent CD	17
2- A Good CD	14
3- No Answer	44.4
4- Discussing different issues	

5- WERE THE MATERIALS AND TOOLS PROVIDED DURING THE WORKSHOP SUFFICIENT FOR THE IMPLEMENTATION OF THE ACTIVITIES?

Yes (94) To some extent (6) No (0)

6- DO YOU HAVE ANY SUGGESTIONS TO INTEGRATE THE ENVIRONMENTAL EDUCATION CONCEPT AND THE SOLID WASTE MANAGEMENT ISSUES IN YOUR WORK WITH THE STUDENTS? PLEASE EXPLAIN

SUGGESTIONS	%
1- Implementing the activities in the SWM book with the students, in addition to preparing some booklets about the environment in different subjects	43
2- Saving the necessary time for the implementation of environmental activities in the school	26
3- Similar workshops should be conducted with the students, or students should attend such workshops with their teachers	17
4- No answer	13
5- The continuous follow up for the environmental group in the school	9

7- ARE THERE ANY TRAINING SUBJECTS THAT YOU WOULD LIKE TO ATTEND IN THE FUTURE? PLEASE MENTION

SUGGESTIONS FOR FUTURE WORK	%
1- Subjects like air pollution, natural balance, and smoking problems	35
2- Site visits to some recycling factories	35
3- Subjects related to how women can help in protecting the environment	6

8- ARE THERE ANY MORE REMARKS YOU WOULD LIKE TO MENTION?

REMARKS	%
1- Increasing the period of the training	43
2- We thank the supervisors of this work	35
3- We hope that this kind of workshops increase in the future	30

**INTERPRETATION OF THE FINAL EVALUATION
CARRIED OUT WITH TECHNICAL SECONDARY SCHOOL
TEACHERS IN ASWAN GOVERNORATE
2nd WORKSHOP: MARCH 29-2001**

TOTAL NUMBERS OF FORMS: 38

1- IN GENERAL WHAT IS YOUR DEGREE OF SATISFACTION ABOUT THIS TRAINING?

Completely satisfied (97)	Satisfied (3)
Not Satisfied (0)	Not sure (0)

2- WHAT IS THE DEGREE OF YOUR BENEFIT OF THIS TRAINING?

Completely benefited (89.5)	Benefited to some extent (10.5)
I do not Know (0)	I did not benefit (0)

3- IN YOUR OPINION WHAT ARE THE MAIN OBJECTIVES ACHIEVED BY THIS TRAINING ?

THE MAIN OBJECTIVES OF THE WORKSHOP	%
1- Raising the awareness of the participants about environmental issues	63.4
2- Getting new information about recycling of wastes and how to dispose wastes in a correct way	39
3- Participation and cooperation between all the participants	8.4

4- WHAT DO YOU THINK ABOUT:

A- THE SOLID WASTE MANAGEMENT BOOK:

OPINIONS	%
1- An important book and could be considered as a reference for young and old people	53
2- It is an excellent book	42
3- It gave us a complete picture about SWM	6

7- ARE THERE ANY TRAINING SUBJECTS THAT YOU WOULD LIKE TO ATTEND IN THE FUTURE? PLEASE MENTION

SUGGESTIONS FOR FUTURE WORK	%
1- No answer	42
2- Any workshop aiming at raising the environmental awareness	32
3- Site visits to some places where recycling is made	15

8- ARE THERE ANY MORE REMARKS YOU WOULD LIKE TO MENTION?

REMARKS	%
1- No answer	50
2- Thanks are due to the supervisors and the participants of this workshop	47
1- Increasing the period of the training	9
3- We hope that this kind of workshops is repeated several times	43.4

**INTERPRETATION OF THE FINAL EVALUATION
CARRIED OUT WITH TECHNICAL SECONDARY SCHOOL
TEACHERS IN SOHAG GOVERNORATE
APRIL, 2 -2001**

TOTAL NUMBERS OF FORMS: 39

1- IN GENERAL WHAT IS YOUR DEGREE OF SATISFACTION ABOUT THIS TRAINING?

Completely satisfied (95) Satisfied (5)
Not Satisfied (0) Not sure (0)

2- WHAT IS THE DEGREE OF YOUR BENEFIT OF THIS TRAINING?

Completely benefited (76) Benefited to some extent (24)
I do not Know (0) I did not benefit (0)

3- IN YOUR OPINION WHAT ARE THE MAIN OBJECTIVES ACHIEVED BY THIS TRAINING ?

THE MAIN OBJECTIVES OF THE WORKSHOP	%
1- Raising the participants environmental awareness	54
2- Getting information about recycling of wastes	35
3- Learning practical skills concerning environmental issues and how to raise the awareness of the students	37

4- WHAT DO YOU THINK ABOUT:

A- THE SOLID WASTE MANAGEMENT BOOK:

OPINIONS	%
1- It is an excellent book	68
1- Valuable, important and could be considered as a reference for the teachers	30

B- THE TRANSPARENCIES

OPINIONS	%
1- Excellent transparencies	63.5
2- Important, simple and explains every thing about SWM	57.3
3- No Answer	15.4

C- THE VEDIO FILM

OPINIONS	%
1- An excellent film	89
2- No answer	14

D- THE CD

OPINIONS	%
1- Excellent	8
2- No answer	92

5- WERE THE MATERIALS AND TOOLS PROVIDED DURING THE WORKSHOP SUFFICIENT FOR THE IMPLEMENTATION OF THE ACTIVITIES?

Yes (97.4) To some extent (2.6) No (0)

6- DO YOU HAVE ANY SUGGESTIONS TO INTEGRATE THE ENVIRONMENTAL EDUCATION CONCEPT AND THE SOLID WASTE MANAGEMENT ISSUES IN YOUR WORK WITH THE STUDENTS? PLEASE EXPLAIN

SUGGESTIONS	%
1- Conducting workshops and lectures for the students and implementing these activities with them	41
2- raising the students awareness in the school and teach them how to get rid of the garbage in a safe way	41
3- Provide the schools with computers and vedios to show the students the CD and the film	18.2
4- Repeat such workshops more than once and increase its period more than one day	14
4- No answer	44

7- ARE THEIR ANY TRAINING SUBJECTS THAT YOU WOULD LIKE TO ATTEND IN THE FUTURE? PLEASE MENTION

SUGGESTIONS FOR FUTURE WORK	%
1- No answer	69.3
2- The environmental impact assessment	50
3- Practical training on how to recycle wastes and how to benefit from it	33.3

8- ARE THERE ANY MORE REMARKS YOU WOULD LIKE TO MENTION?

REMARKS	%
1- No answer	77
2- Thanks are due to the supervisors and the participants of this workshop	22.2
3- The training period was very short	22.2

**INTERPRETATION OF THE FINAL EVALUATION
CARRIED OUT WITH TECHNICAL SECONDARY SCHOOL
TEACHERS IN QUENA GOVERNORATE
APRIL, 1 -2001**

TOTAL NUMBERS OF FORMS: 42

1- IN GENERAL WHAT IS YOUR DEGREE OF SATISFACTION ABOUT THIS TRAINING?

Completely satisfied (90.5) Satisfied (9.5)
Not Satisfied (0) Not sure (0)

2- WHAT IS THE DEGREE OF YOUR BENEFIT OF THIS TRAINING?

Completely benefited (93) Benefited to some extent (7)
I do not Know (0) I did not benefit (0)

3- IN YOUR OPINION WHAT ARE THE MAIN OBJECTIVES ACHIEVED BY THIS TRAINING ?

THE MAIN OBJECTIVES OF THE WORKSHOP	%
1- Raising the participants, and thus the students, environmental awareness	86
2- Participating in getting rid of the solid wastes and how to benefit from it	21.5
3- Cooperation between the group members and the way the trainer explained things resulted in learning new skills and practical experiences	17

4- WHAT DO YOU THINK ABOUT:

A- THE SOLID WASTE MANAGEMENT BOOK:

OPINIONS	%
1- It is an excellent book	69
2- Integrated, sufficient, full of information and could be considered as an important reference	52.5

B- THE TRANSPARENCIES

OPINIONS	%
1- Excellent, simple and clear transparencies	70
2- Easy to explain for the students	17.5

C- THE VEDIO FILM

OPINIONS	%
1- An excellent and important film	75.3
2- An important tool that could be used with the students	22

D- THE CD

OPINIONS	%
1- Excellent, useful and important	75
2- No answer	25
3- Will not be used a lot because computers are not available in all the schools	4

5- WERE THE MATERIALS AND TOOLS PROVIDED DURING THE WORKSHOP SUFFICIENT FOR THE IMPLEMENTATION OF THE ACTIVITIES?

Yes (85) To some extent (15) No (0)

6- DO YOU HAVE ANY SUGGESTIONS TO INTEGRATE THE ENVIRONMENTAL EDUCATION CONCEPT AND THE SOLID WASTE MANAGEMENT ISSUES IN YOUR WORK WITH THE STUDENTS? PLEASE EXPLAIN

SUGGESTIONS	%
1- Conducting similar workshops for the students and provide the necessary materials	49
2- raising the students awareness in the school and teach them how to use the wastes of the technical schools	53
3- No answer	29
4- Form an environmental group in the school	10
5- Repeat this workshop several times	7

7- ARE THERE ANY TRAINING SUBJECTS THAT YOU WOULD LIKE TO ATTEND IN THE FUTURE? PLEASE MENTION

SUGGESTIONS FOR FUTURE WORK	%
1- No answer	76.2
2- Practical training in some factories	20

8- ARE THERE ANY MORE REMARKS YOU WOULD LIKE TO MENTION?

REMARKS	%
1- No answer	86
2- Increasing the period of the workshop to three days instead of one day	33.3
3- Repeat the workshop again	17