



**REPORT ON**

**Training course for policy makers on sustainable consumption**

**and HVWSHE**



December, 20102 to November, 2013

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## List of Abbreviations

ADB	Asian Development Bank
CA	Cooperation Agreement
HED	Department of Higher Education
HVWSHE	Human Values Based Water, Sanitation and Hygiene Education
LAO PDR	Lao People's Democratic Republic
MOE	Ministry of Education
UN-HABITAT	United Nations Human Settlements Programme
WAC	Water of Asian Cities
WDM	Water Demand Management
WWF	World Water Forum

## **I. Introduction**

UN Habitat is aware of the necessity to promote the new concept on water and sanitation based on the principle values and mutual respect and environment protection. The Human Values-based Water, Sanitation and Hygiene Education (HVWSHE) for youths is a long term strategic activity which is a basic principle for the sustainable development and is included in the general programme of Water and sanitation of UN HABITAT . In this initiatives is included the integration principle of the HVWSHE in the curriculum in the schools, the establishment of resource center to be aware and upgrade the knowledge on the education modules and instill the awareness for the community.

HVWSHE is a process to build an individual awareness on the environment and provide knowledge, abilities, values and experiences and their inspirations to act behavior at individual and general level to resolve the actual and future problems of water and sanitation. The gain of the knowledge and abilities only could not build the moral principle on water and sanitation, but the use of the values in the daily activities will stimulate the students to give importance and save the water and act good behavior in terms of sanitation and hygiene.

HVWSHE is not limited only at school level but in the practice it is a lifelong learning. It is a way to adapt and be relevant to the global rapid change . In addition the HVWSHE principle will assist the students in their future life to understand and aware on the main problems of water and sanitation . This principle will provide also necessary skills , knowledge and attitudes to promote the initiatives by improving the quality of life and the environment protection in respect to the water and sanitation.

HVWSHE is a new method which is not only to provide the information on water, sanitation and hygiene but to assist the students in terms of inspiration and motivation to have good behavior to promote the intelligent and sustainable use of natural resource which demonstrate in the environment, social and economic sector.

In this connection different sessions of training workshops have been organized as reported below.

## **II. Training Workshop on HVWSHE**

With reference to the project activities as stated in the Work Plan and the invitation letter of the UN-Habitat dated 19 February 2010 the Training Workshop on HVWSHE was organized at the Polytechnic College on 22-23 February 2010 .

### **Objectives of the Training Workshop**

The Objectives of the Training Workshop is as following:

- To provide knowledge and understanding on the concept of the principles of the use the water, sanitation and hygiene in the right way.
- To adapt and behave relevant to the rapid global change
- To provide necessary skills, knowledge and attitude on the Human Values-based Water, Sanitation and Hygiene Education .
- To know how to use water, sanitation and hygiene effectively.

### **Participation**

80 participants from different organizations from the Vientiane Capital participated in the training workshop from 22-23 February 2010. Among participants are the persons involved in the Project and the project management of the UN Habitat of which 2 staffs from the Department of Higher Education and 4 teachers and research team members from the Polytechnic College.

Resource persons from UN Habitat included Dr. OngAth Xoumsayna Ayouthaya and Ms. Lolene Balod .

### **Programme of the Training Workshop**

1. Environment Issues
  - Save of Water
  - Protection of
  - Garbage Management
  - Effective use of water
2. Social Issues
  - Gender
  - Equity
  - Poverty
  - Human right principle based Method
3. Economic Issues
  - Fund support to resolve water and hygiene issues
  - Payment for water and sanitation



## **Inauguration**

The opening session of the Training Workshop was held at the Polytechnic College at 8:30 am on 22 February 2010. On behalf of the Co-organizer, Mr. Phongsavath Ounepomany extend to all participants from different organization his warm welcome to the Polytechnic College and emphasized the importance of water and sanitation and hygiene in the daily life. He also expressed his deep thanks and appreciation to support the project at the Polytechnic College and for choosing the Polytechnic College as a venue for this Training Workshop.

Mr. Avi Sakar Regional Technical Advisor of the UN Habitat based in Lao PDR extended his welcome address all the participants of the workshop and stressed the importance on the training on the Programme of the Training Workshop Human Values-based Water, Sanitation and Hygiene Education and the use of the water and sanitation and hygiene in the daily life.

He also expressed his sincere thanks to Dr. OngAth Xoumsayna Ayouthaya and Ms. Lolene Balod as resource persons for their preparation of the contents for this training course and the suggestion on the possibility to integrate the education modules on the HVWSHE in the schools curriculum

## **Organization**

In the training Workshop Dr. OngAth Xoumsayna Ayouthaya gave the presentation on the impact of the global heat due to different life condition, the use of water, sanitation, and hygiene without take into consideration on the values. He presented the lessons learned on HVWSHE and the methods to ingrate the education modules on HVWSHE in the schools curriculum by giving some examples of Thailand.

Ms. Lolene Balod gave the presentation on the methods to integrate the education modules on water, sanitation and hygiene into different subjects and respectively its integration into the curriculum.

The Training workshop conducted its work in plenary session by following of questions and answers as well as in groups discussion. The discussions were dealing with the operation plan.

## **Conclusion**

Mr. Avi Sarkar presented the concluding remarks by thanking the Polytechnic for the co-organiser of the this event and thanking the resource persons and all the participants from different organizations from the Vientiane Capital as well as from the provinces for their contribution to the training workshop.

The participants understand the concept of HVWSHE and the methods of integration of HVWSHE and the integration of the education modules in different subjects and respectively into the curriculum.

## Agenda of the Workshop

22 February 2010		
Workshop on Human Value Water, Sanitation and Hygiene Education (HVWSHE)		
Meeting Room at the Polytechnic College, Vientiane Capital		
08:30	Registration	
<b>Opening Session</b>		
09:00	Welcome Address and Brief Introduction of the workshop objectives	Mr. Avi Sarkar, Director UN-HABITAT South East Asia
10:30	<b>Coffee Break</b>	
10:45	Impact of Climate change	Dr. OngAth Xoumsayna Ayouthaya
12:00	<b>Lunch Break</b>	
13:00	Integration of lessons learned on human value, sanitation and hygiene education (HVWSHE)	Dr. OngAth Xoumsayna Ayouthaa
15:00	<b>Coffee Break</b>	
15:15	Methods of integration of the Human Value, Water, sanitation and Hygiene Education	Ms. Lolene Balod
16:30	End of 1 <sup>st</sup> day	
23 February 2010		
08:00	The integration of the Human Value, Water, sanitation and Hygiene Education into the curriculum	Ms. Lolene Balod
10:30	<b>Coffee Break</b>	
10:45	Questions and Answer	Participants
12:00	<b>Lunch Break</b>	
13:00	Group Discussions on the future Operation Plan	Participants
15:00	<b>Coffee Break</b>	
15:15	Presentation of the future Operation Plan	Participants
16:30	<b>Closing Remarks</b>	Mr. Avi Sarkar



## Annex 2: Photos taken during the Training Workshop



Welcome Remark by Mr. Phongsavath Ounepomany , Director of PC



Brief Introduction of the Workshop objectives by Mr. Avi Sarkar  
Regional Technical Advisor UN Habitat



**Photos taken during the Training Workshop**



Presentation by Dr. OngAth XoumsaynaAyouthaya Resource Person



Exhibition at the Resource Center

### **III. Training Workshop on Water Demand Management**

The Training workshop on Water Demand Management was held at the Polytechnic College on 16 March 2010 with the objectives to provide the knowledge on water demand management to the students.

400 Students coming from different section from Polytechnic College have participated in the training Workshop.

Resource Persons were teachers and staff from the Polytechnic College, and from UN-Habitat.

#### **Organization**

The dissemination workshop was presided and opened by Ms. Pakobkeo Thopakane Deputy Director of Polytechnic College.

Mr. Khamphao Chanphengxay Head of Graduate and Postgraduate Study presented on the background of the project on development of innovative approaches to sustainable access to water and sustainable access to water and sanitation under the water for Asian Cities Programme.

Ms. Pakobkeo Thopakane gave presentation on water and the quality of water.

Mr. Bounthanh Chanthavong head of vocational teacher training described the impact of the industry and agriculture to the natural water as illustrated in the appendix .

Mr. Sounthonephet Meune Asa head of division Mining gave the presentation on the topic " environment and the rapid change including water.

Mr. Phengphone Khamsensouk. staff from the UN-Habitat gave presentation by stressing on the lack of water in the present world. In some countries there were a severe lack of water, There were water in stock for the right use.

The Training workshop was closed at 16:30 by Ms. Pakobkeo Thopakane

#### **Conclusion**

After listening to the presentation of the resource persons, The students of the Polytechnic College understand on the contents and objectives of the project on the development of innovative approaches to sustainable access to water and sanitation, see the importance and the necessity of the water for the life in the world; The lack of water , the impact of the environment to the nature especially direct to the water, and know the human values of the water and environment and can apply the knowledge from this training workshop in their daily life effectively.





Participants of the Training Workshop



Presentation of Mr. Bounthanh



Presentation of Mr. Sisounthone



Presentation of Mr. Phengphone





Participants at the Training Workshop



#### **IV. Training Workshop on the Pilot of the Water Sanitation and the Model of Water Reservoir**

The training Workshop on the Pilot of the Water Sanitation and the model of water reservoir was organized at the Polytechnic on 8 April 2011 with the objectives to build awareness on the importance and the necessity of water, the dirty and the sanitation of water and understand of the water consumption and love water and environment.

##### **Organization of the Workshop**

participated in this workshop.

Resource persons came from the Polytechnic College and UN-Habitat.

The training workshop was presided and opened by Ms. Pakobkeo Thopakane Deputy Director of Polytechnic College with the participation of 10 staff and teachers from Department of Higher Education , Polytechnic College and 150 students . She stated the objectives of the workshop.

Refer to the agenda Mr. Yaheu , teacher of the Polytechnic and resource person of this workshop gave presentation on the methods of the water experiments by seeking the coefficient of water sanitation and using the experiments tools bought from the water sanitation center. The students were divided into groups to do the experiment by using water coming from different source such as from the Nampapa, the water Houaseua and water from Thatluang so that the students could see the differences.

At 4.00 pm Mr. Phengphone Khamenesouk, staff from the UN-HABITAT explained how to develop a filter to give the idea to the students to develop by themselves.

At 4.30 pm Ms. Pakobkeo Thopakane closed the workshop by thanking the lecturer and all participants for their contribution and do hope that the training workshop will benefit the students to further experiment by themselves and compete each other.



**Annex 1. Photos taken during the Workshop**



Opening of the Workshop





Presentation on Water test methods by Mr. Yaher, Polytechnic College Teacher





## ***Human Values Introduction:***

An overview of various definitions of values as applied in values education

- The term 'value' can be considered as a quality of anything that makes it desirable, held in respect, deemed worthy or esteemed. The dominant values that give meaning to a man's life motivate him to actions that determine the type of person he will be. (Cattle, 1965)
- Values are normative standards by which human beings are influenced in their choice among the alternative courses of actions, which they perceive. (Nicholas, 1969)
- A value is a principle, a standard or a quality that is considered worthwhile or desirable. It is a consciously preferred choice of the concept of desirable behavior, and is validated by social approval. (Kapani, 2000)
- By values we mean desirable qualities of character such as honesty, integrity, tolerance, diligence, responsibility, compassion, altruism, justice and respect. (Values Education and Democracy; Ministry of Education - South Africa).

These definitions are a fair representation of the school of thought of values-based education which lays emphasis on those qualities of a human being which are desirable, respected, worthy, esteemed, dominant and which, therefore, help us in making informed choices and which are sanctioned by a given society.

## ***Why human values:***

Human values are an essential element of our human nature and are positive qualities that are shared among people throughout the world. When we practice human values at work, they are internal motivators that help us do our best and reinforce good character, morality and ethics. Human values naturally foster important qualities in life. Students, especially children are main pillars of development in future. They learn from our actions, behaviour, teachings and habits.

Water, Sanitation and Hygiene Education is a learning process that increases children's knowledge and awareness about water, sanitation and hygiene, and associated challenges, develops the necessary skills and expertise to address the challenges, and fosters attitudes, motivation, and commitments to make informed decisions.

Water, Sanitation and Hygiene Education, properly understood, should constitute a comprehensive lifelong education, one responsive to changes in a rapidly changing world. It should prepare the individual for life through understanding of the major problems of the contemporary world vis-à-vis water, sanitation and hygiene, and the provision of skills and attitudes needed to play a productive role towards improving living conditions and protecting the living environment with due regard given to ethical values.

The HVWSHE Project aims at building capacity to conduct Human Values-based Water, Sanitation and Hygiene Education in the formal and non-formal education sector through

- Promoting Human Values-based Water, Sanitation and Hygiene Education through the curriculum;
- Developing Resource Materials for Curriculum;
- Conducting training in Teachers Training College and selected schools;

- Developing Teacher Training Guides and Teacher's manuals for use in Teacher Training Colleges and Schools;
- Demonstrating Human Value-based Water, Sanitation and Hygiene Education in selected pilot schools and surrounding communities;
- Developing resource material and pilot demonstration of Human Values-based Water, Sanitation and Hygiene for the non-formal Education Sector;
- Developing partnerships with the Water and Sanitation Service Sector for increased and sustainable Water and Sanitation Service provision to schools;
- Developing partnerships with utilities for developing and running effective Human Values in Water, Sanitation and Hygiene Education Classrooms; and
- Promoting Ethics and Human Values at the work place, especially schools.

### ***Why HVWSHE Concepts developed:***

Human values are fundamentals to human existence and are integral to any society, which are important for bringing out and nurturing the human values in children during the formative years will result in caring and responsive adults.

The HVWSHE concepts were developed from the perspective of:

- The Education Sector: Because values education is an explicit attempt to teach about values and/or valuing. The education include the inculcation of moral development and analysis with the purpose of instilling certain values in students and help them develop a higher set of values
- The Water and Sanitation Sector, and
- Human Values in Water and Sanitation Sector

### ***Methods of HVWSHE***

The HVWSHE programme uses a number of methods for enhancing the awareness and practice relating to water, sanitation and hygiene with particular emphasis on schools, targeting both students and teachers. The programme priorities are:

- Enhancing awareness
- Capacity building to conduct HVWSHE in non-formal and formal education sector
- Building partnership between the water and education sector

As a part of capacity building priority training organized in Lower secondary school Nongboua, Pakxan, Bolikhamxay Province on 14<sup>th</sup> October 2011.

### ***Objectives of the training***

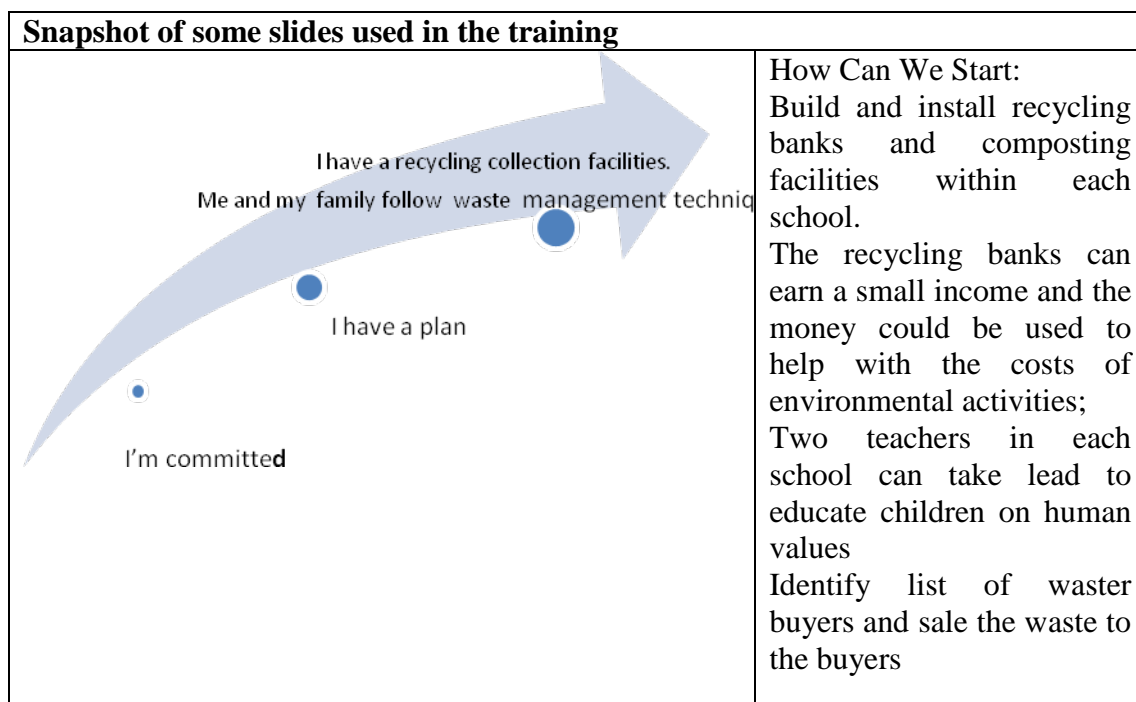
HVWSHE Concepts are developed from the perspectives of Education Sector, Water and Sanitation Sector, and Human Values in Water and Sanitation Sector. This approach uses the basic premise of applying core human values (Truth, Right conduct, Peace, Love, Nonviolence) in understanding and associating with resources, especially water and sanitation. It emphasises that associating with resources through human values can help in inculcating desired behaviour among children in their formative years. The main objectives of the training are:

- To introduce the concept, approaches and priorities of HVWSHE

- To introduce the topics related to water and sanitation
- To emphasize the importance of including HVWSHE in education
- To discuss the possible actions that teachers and educators can take

### ***Main topics of the training***

- ✓ Concept and priorities of HVWSHE
- ✓ Human Values
- ✓ Socio economic values
- ✓ Value to ecosystem
- ✓ Cultural and spiritual values
- ✓ Approaches: Direct method, Integrated method for the curriculum ( formal education) and; Integrated method for the co-curriculum activities (Non-formal and informal education)
- ✓ **Waste Disposal:Health & Environmental Consequences of unsafe disposal**
- ✓ What we can do
- ✓ How we can start: Suggested actions that can be taken up by teachers, students



## ***Methodology***

The Key topics as listed above were introduced through a presentation by the facilitator. However, the mode of training was highly participatory, especially on topics such as possible actions to be taken. The training was informational as well as motivational. A training evaluation form was administered to the participants at the end of the training, the results of which are presented in the section below.

## ***Participants***

Participants included the teachers of the school. A detailed list is provided as **Annexure 1**

## ***Results of Training Evaluation***

Summary of Training Evaluation form					
S.No.	Category	Response			
		Poor	Good	Very good	Excellent
<b>1</b>	<b>Content and Method</b>				
1.1	Information provided in the training session		16	8	4
1.2	The duration of the training session		11	13	4
1.3	Documents provided		21	1	7
<b>2</b>	<b>The facilitator</b>				
2.1	Ability to explain		6	13	10
2.2	Examples and illustrations given	1	13	13	2
2.3	Audiences provided opportunity to participate		9	12	8
<b>3</b>	<b>Understanding about Human Value based Water and Sanitation</b>				
3.1	Understanding about source of water and pollution	1	14	3	11
3.2	Understanding about waste management	1	4	13	11
3.3	Understanding about human values	1	10	7	11
3.4	Understanding about your role to play		15	9	5
3.5	Understanding about food contamination and food borne diseases	2	11	12	4
3.6	Understanding about water contamination and water purification		13	8	7
<b>4</b>	<b>Application of this knowledge in real life situations</b>				
4.1	Overall understanding about topics	1	13	11	4
4.2	How well you can apply the knowledge in real life		8	15	6
4.3	Overall rating about the training	1	7	8	13

The discussions after training and the evaluation form shows that the topic were found to be useful by majority of the participants. The training helped in developing understanding of related issues of water, hygiene, sanitation and health. The participants also found that the steps suggested for action are practical.



*Some snapshots took during the training:*



**Students in the training in Daensavanh Primary School**



**Students and teachers participants in the training**



**Director of Nampapa department of Bolikhamxay Province sharing his ideas about human value based water and sanitation**