



Horizon 2020 Capacity Building/Mediterranean Environment Programme

“Wastewater treatment and Reuse”

6-8 March 2011, Amman, Jordan

Course evaluation



Evaluation form for course:

Horizon 2020, Wastewater treatment and Reuse, 6-8 March 2011, Amman, Jordan

Learning objectives:

To promote the interaction between drinking water consumption and waste water production; to introduce wastewater reuse through integrated water; to spread knowledge on technologies and technology selection

Note: Please, grade the four statements below by using the following numbers indicating your opinion:

- 5 I strongly agree
- 4 I agree
- 3 Neutral
- 2 I disagree
- 1 I strongly disagree
- 0

GENERAL IMPRESSION	GRADE	No.RES
The course enabled me to achieve learning objectives as stated above	4.1	16
The total available time (3days) is reasonable for the amount of material to be studied	2.9	16
The balance between theory and practice is right	3.6	16
The course is evaluated in an appropriate way	3.8	16
Useful to have all lecturing material on the stick and H2020 website	4.3	16
AVERAGE GRADE	3.8	

Note: Please, evaluate each subject/activity/teacher on the following statements by also using the grades above.

- A) The subject is relevant for me as a professional
- B) The lecturer gives a clear presentation and is straightforward to follow
- C) The materials (notes, hand-outs, etc.) are clear and well structured
- D) There is sufficient possibility for questions and discussion

NO.	SUBJECT	ACTIVITY	LECTURER	No. RESPONSES				AVERAGE GRADE
				12	13	11	12	
				GRADES				AVERAGE GRADE
NO.	SUBJECT	ACTIVITY	LECTURER	A	B	C	D	
1.2	Introduction: (global) status of sanitation	Lecture	Hooijmans	3.7	4.0	4.1	4.1	4.0
1.3	EU water projects	Lecture	Eid	3.7	4.1	3.8	3.8	3.8
1.4	WHO guidelines for reuse	Lecture	Hooijmans	3.4	3.5	3.5	4.1	3.6
1.6	Problem analysis	Lect./exer	Hooijmans	3.8	4.3	3.5	3.8	3.9
1.7	Objectives analysis	Lect./exer	Hooijmans	4.0	4.3	3.6	3.9	3.9
2.1	Wastewater treatment technologies overview	Lecture	Moussa	4.4	4.6	4.0	4.3	4.3
2.2	Decentralized treatment	Lecture	Moussa	4.2	4.2	3.7	4.3	4.1
2.3	SWIM-ENP	Lecture	Taha	3.3	3.5	3.2	3.8	3.5
2.4	Financial aspects of wastewater management	Lecture	Quteishat	3.7	4.3	3.8	3.8	3.9
2.5								
2.6	EU project EXACT	Lecture	Sadah	3.4	3.8	3.3	4.1	3.6
2.7	EU project EXACT	Demo	Sadah	3.6	3.8	3.5	3.8	3.7
2.8	Option analysis	Lect./exer	Hooijmans	3.8	3.9	3.7	3.8	3.8
3.1	Technology selection	Lect./exer	Hooijmans	3.8	4.1	3.8	4.2	4.0
3.2	WAWTTAR	Lecture	Hooijmans	3.6	3.7	3.5	4.2	3.7
3.3/4	Technology selection coastal area Spain	Demo	Hooijmans	3.6	3.7	3.3	3.8	3.6
3.5	EU project EXACT	Exercise	Sadah	3.8	3.8	3.9	4.3	3.9
3.6	Final presentation	Exercise	Hooijmans	4.1	4.2	4.1	4.1	4.1
OVERALL ASSESSMENT OF THE MODULE				GRADE	No.RES			
5-very good, 4-good, 3-moderate, 2-bad, 1-very bad				4.1	11			



Which aspects of the course you liked very much ?

Wastewater treatment technologies (7x).
 Decentralized treatment (5x).
 EU projects.
 Technology selection (3x)
 Everything was presented in a great way.
 Options analysis
 EU project EXACT (3x)
 Problem analysis (4x)
 Exercise using WAWTTAR (4x)
 Options analysis
 Objectives analysis (3x)
 Financial aspects of wastewater management (2x).
 Professional Lecture Eid
 Hooijmans in WHO guidelines is perfect.
 Quteishat gives interesting lecture.
 Management

Do you have suggestions for improvement?

More time required (10x)
 Extra workshop needed
 Exercises need a computer laboratory.
 Pre-download software to reduce time (2x)
 More time for WAWTTAR/ software (3x).
 More courses with the same group
 More case studies on technologies and implementation.
 The day time (everyday course time) should be less than 6 hours (2x).
 Studies about reuse of reclaimed water in agriculture.
 Invite more people.
 Site visit.

Were there topics that you missed in the course? If so, which ones?

More information on water management
 More information on water resources protection.
 1.2/2.1
 New technologies on wwtp and management of resources.
 Biogas.
 As my job is in wwtp I hope I take more lectures in it.
 I never missed any lecture, I think it is perfect and specified to rehabilitate ourselves.

Any other comments / suggestions?

Keep in touch.
 Thanks a lot (6x)
 Thanks a lot for the efforts, which we are highly appreciating.
 Very good information.
 Hope to see you in a similar training program.
 Great information
 The course is beneficial.
 Lectures were very good and the presenters were fantastic.

In summary it can be concluded that the course was assessed as being good, this was also valid for the lecturers. Improvement can be realized in increasing the time available, or reducing the workload. The workload was esp. high due to the presentation and computer exercise of a Decision Support Tool that was developed with and for Jordan during the EU project Exact. Therefore it was difficult to stick to the time allocated for each subject, resulting in a loss of coherence of the course.

This was the first course under the topic of Wastewater Treatment and Reuse. The second course was given in Lebanon, immediately given after the Jordan course. Based on the evaluation and the experience from the lecturers modifications were made to keep the amount presented and discussed more doable within the time available.