

Dear Participant,

WELCOME to the Web Based Training

“Efficient Management of Wastewater, its Treatment and Reuse in the Mediterranean Countries”

The main objectives of this e-learning course in the field of Wastewater Treatment and Reuse are the following:

- Capacity building via **learning modules and lessons**
- Exchange of know-how and experiences between the Mediterranean countries via the **forums**

This course is funded by the European Union within the Meda project **EMWater** (for more information check www.emwater.org). This is the fifth run of the course. It was originally created by Claudia Wendland and Dr. Joachim Behrendt from the Institute of Wastewater Management at Hamburg University of Technology (TUHH) and revised by Dr. Yavuz Özoguz. The course will be held within an online-learning environment using the open-source-softwares Stud.IP and ILIAS. While Stud.IP offers a highly communicative working environment including forums, chats and many more, ILIAS provides eLearning-modules for self-studying. No additional software is needed to access and use this learning environment. All you need is an internet connection and a web browser of your choice (e.g. Firefox, Opera, Safari or Internet Explorer).

The **schedule** in the following table shows content and activities. The modules and lessons will be successively activated at the scheduled dates.

Time	Self determined studies	Communication with other participants	Test
Until April 11 th	Technical check		
	<p>Please make yourself familiar with the learning platform “Stud.IP”, set up you personal profile and write a short message at the welcome forum</p> <p>Commitment for joining: First welcome in an informal chat on April 10th at 13:00–14:00 (GMT)</p>	<p>Questions: Technical Forum Greeting message : Welcome Forum Welcome Forum</p>	
April 11 th – 25 th	Module A: Wastewater Characteristics		Test A
	<p>Lesson A1: Characteristic, Analytic and Sampling of Wastewater</p> <p>Lesson A2: Hygiene and Risk Management</p>	<p>Forum A</p> <p>Forum A</p>	
April 26 th – May 8 th	Module B: Resource Management		Test B
	<p>Lesson B1: Resource Management Sanitation</p> <p>Lesson B2: Rainwater Harvesting</p> <p>Lesson B3: Anaerobic Sewage Treatment</p> <p>Lesson B4: Constructed Wetlands for Wastewater Treatment</p> <p>Lesson B5: Sewage Sludge Treatment</p>	<p>Forum B</p> <p>Forum B</p> <p>Forum B</p> <p>Forum B</p> <p>Forum B</p>	
May 9 th – May 23 th	Module C: Operation and Maintenance of Wastewater Treatment Plants		Test C
	<p>Lesson C1: Operation and Management of Wastewater Treatment Plants</p> <p>Lesson C2: Operation costs of Wastewater Treatment Plants</p>	<p>Forum C</p> <p>Forum C</p>	
May 24 th – June 3 rd	Module D: Wastewater Management and Reuse		Test D
	<p>Lesson D1: Guidelines and Standards for Wastewater Reuse</p> <p>Lesson D2: Wastewater Reuse Technologies</p> <p>Lesson D3: Economic Instruments in Wastewater Management</p>	<p>Forum D</p> <p>Forum D</p> <p>Forum D</p>	
June 4 th -June 6 th	Evaluation of the course, draw up of certificates		

Requirements

Requirements to get a certificate:

- You have to add personal content to your personal homepage within Stud.IP (see “Guide to Stud.IP”, chapter 6) so that the other participants can get an idea about you and your motivation to join this course. Please insert a short CV and some words concerning your background. You can also add a link to your website and/or a photo.
- You have to work with the learning modules on your own.
- In every module there is a **Multiple Choice Test** which you have to pass (4 tests all together). You are allowed to skip one test e.g. if you are in vacation.
- As the forum is the main interaction tool in the course you have to participate in every forum in an active way. This means that you have to write at least one posting in the beginning of the module concerning the topic and furthermore you should answer at least one posting of one of your colleagues during the lasting of each forum. Summarised: **2 postings in forum A-D** (8 altogether) are compulsory.

If you fulfil the requirements you will get a certificate of your successful participation in the course.

Who is Who?

Lecturer of the course is **Dr. Yavuz Özoguz**, a stated expert in the field of Wastewater Treatment. He will be online every few hours for the whole duration of the course and quickly answer questions via the forums.

Mr. Stefan Suchi and **Dr. Bettina Ross** will act as tutors, answer questions concerning the use of the learning platforms Stud.IP an ILIAS and offer any kind of support needed. If you want to learn more about Dr.Özoguz, Dr. Ross and Mr. Suchi, visit their homepage within the Stud.IP-System. Lecturer and tutors are members of the staff of data-quest, the company assigned to arrange the course on behalf of InWEnt and TUHH.

Mrs. Claudia Wendland from the Institute of Wastewater Management and Water Protection at Hamburg University of Technology developed the course and gathered the learning content together with **Dr. Joachim Behrendt**. Mrs. Wendland will join discussions occasionally and offers help on all wastewater related topics, especially on anaerobic treatment and constructed wetlands.

Mr. Andreas Bethmann and **Mr. Marco Bohnsack** are coordinators. Mr. Bethmann is responsible for the whole EMWater-project on behalf of InWEnt. Mr. Bohnsack is head of data-quest and coordinator for this course.

Dr. Ismail AL Baz is the Director of the EMWater-Project and all its activities.

The Modules

The course is divided into 4 parts. These parts are divided in 2 - 5 lessons. Each lesson is a separate learning module and can be viewed online. Learning online offers you a glossary, easy navigation and some comforting features. As an alternative, each lesson can be downloaded as PDF either in words or presentation slides. You can read the files offline or print them out.

You have to work with the lessons on your own.

Some lessons provide **exercises incl. solutions** at their end. You should work with the exercises on your own, they are intended for a better understanding of the content and for your personal control of knowledge.

The Forums

A forum is an asynchronous tool which you can use **at any time you want** during the course to exchange and communicate with the other participants. For every module there exists one forum (Forum A – D). You should participate in every forum in an active way. That means that **you write your comments, called postings** into the forum. The postings can be questions, comments to the content of the modules, experiences from your work etc; everything related to the topic of the module. **This will help us to develop a fruitful discussion.**

The forums are open during the whole course.

Additionally there is installed a technical forum. In this forum you can post any question or comment concerning the platform and the software we are working with.

The Chats

Chats are synchronous tools within the course, that means that all participants of the chat have to be on-line at the same time if they want to join the chat. During the course, just informal chats will take place. Every participant is able to start a chat at any time.

Internal e-Mail in Stud.IP

On the platform there is an internal e-Mail program which you can be used to contact any other participants or moderators. These e-Mails are personal, they cannot be seen by others nor by the moderators.

If you have questions concerning the course, problems with Stud.IP or whatever, feel free to ask your tutors via e-mail or internal-e-mail!

Now please start within the course and enjoy it!

The success of the course highly depends on your engagement and motivation!

Sincerely yours,

Dr. Joachim Behrendt
Claudia Wendland

Dr. Ismail Al Baz
Andreas Bethmann

Dr. Yavuz Özoguz
Dr. Bettina Ross
Stefan Suchi
Marco Bohnsack