



Two- Day Workshop on Promoting Applied Integrated Practices and Technologies for Sustainable Industrial Wastewater Management in Palestine

15 and 16 October 2018, Birzeit University

Dear participants,

The Institute of Environmental and Water Studies invites you to a two-day multi-stakeholder workshop on October 15 and 16, 2018. The workshop aims to exchange knowledge and experiences between experts and managers involved in the Industrial Wastewater Management sector in Palestine, through presenting the findings of the Institute's recent assessments on Environmental Auditing, Industrial Cadastre, Cleaner Production (CP) practice and sustainable pretreatment technologies.

The workshop is an opportunity to conduct focus-group discussions about the implementation of such practices.

Additional topics of the members' interests who aspire to advance the implementation of Cleaner Production Practices can also be included. See the annexed programme for more information.

Rashed Al-Sa'ed, Professor and Director of the Institute of Environmental and Water Studies (IEWs) at Birzeit University, and the researcher Andrés Cabrera Flamini, a project partner and lecturer in Water Services Management at IHE Delft, will facilitate the workshop.

We look forward to hearing from you and hope that you would be willing to accept our invitation to this event.

Kindly,

The Research team of INWA Project within PADUCO2 Program

General Programme and Agenda for a Two-Day Workshop

Title	Industrial Pollution Reduction Practices and Wastewater Governance Analysis
Date/Duration	Monday and Tuesday, 15-16 October 2018 (2 days)
City	Birzeit
Address/Venue	Birzeit University [BZU]/Conference Room 243, Law Annex Building.
Background	<p>Palestinian regulators face governance challenges to enforce laws on industrial pollution. Discharge of untreated wastewater leads to environmental degradation, or, in the case of disposal into the municipal sewer, it leads to treatment plant malfunctions. Industries oftentimes resist implementation of the regulations, and may be more receptive to Cleaner Production opportunities that simultaneously reduce pollution outputs and save money through better resource utilization. An integrated approach of both CP and better regulation enforcement is therefore proposed.</p> <p>Within PADUCO2 Program, the current INWA project aims to research the treatment technologies and governance scenario, with the intention of designing and implementation of cutting-edge pretreatment solutions and practices including Cleaner Production practices (CPs) for selective agrifood industries including olive mills in Nablus, slaughterhouses in Gaza, as well as dairy and food industries in Hebron. In this vein, INWA aims to promote sustainable industrial wastewater management in Palestine, by investigating and demonstrating the applicability of innovative practices and pretreatment technologies. Furthermore, it aims to align CPs with compliance of current laws and regulations, while identifying the diverse actors involved in wastewater treatment and reuse in Palestine.</p>
Objectives	<p><i>General objective</i></p> <p>Promotion of sustainable industrial wastewater management in selective agrifood industries in Palestine via innovative integrated wastewater management practices and systems. Under this framework, these workshops aim to provide an outlook of current environmental auditing, industrial cadastre and the governance aspects of industrial wastewater treatment, reuse, and disposal in Palestine (West Bank & Gaza Strip).</p> <p><i>Objectives of the workshop</i></p> <ul style="list-style-type: none"> • Presentation of final results on environmental auditing and industrial cadastre within Wadi Zaimer watershed area • Presentation of preliminary results on the design and instalment of pilot scale advanced pretreatment technologies • Presentation of the advancements on the Governance Analysis • Development of a focus-group discussion around the topic of: current scenario for the implementation of cleaner production practices for wastewater reuse
Expected outcome	<ul style="list-style-type: none"> • Dissemination of the advancements and challenges faced so far in the project implementation • In-depth analysis on the feasibility of implementation of CP practices in different industries (i.e. food, olive mills, dairy, slaughterhouses)
Methodologies	During the first day of the workshop, project representatives (research team) from Birzeit University and IHE-Delft will do diverse presentations. During the second day of the workshops, focus group discussions will be facilitated by the task leader, a lecturer/researcher from IHE-Delft
Working language	The working language of the event is English, and Arabic
Number and profile of participants	We expect participation of ca. 30 actors coming from diverse backgrounds, where a multi-stakeholder and multi-sector scenario will take place. We will

	count with the participation of representatives of the EQA, MoH, MoLG, PWA, WSRC, PSI, PPU, IUG, An-Najah National University, and BZU. Managers from central slaughterhouses in Nablus, Al-Bireh, Ramallah, and Hebron will be part of workshops as well as representatives from the dairy factories and olive mills
Registration	For registration and confirmation of participation, please send an email to: IEWS@birzeit.edu ; OR rsaed@birzeit.edu
Meals (coffee breaks and lunch)	Meals and coffee breaks will be provided during the two-day workshop
Host coordination	For further queries please contact Rashed Al-Sa`ed: rsaed@birzeit.edu

Workshop Agenda “Preliminary Findings of INWA Activities”, the 1st day, Monday 15-10-2018

Facilitation: Policy Makers, Researchers, M.Sc. Students

Time	Activity	Name
9:00-9:30	Opening speeches, INWA activities, relevance, impacts, BZU Governance of Water Sector in Palestine, PWA Awareness Campaigns for Industrial Pollution Reduction, EQA	Rashed Al-Sa`ed Subhi Samhan Ayman Abu Thaher
9:30-10:00	PUWSP performance of WWTFs in Palestine	Mohammad Said
10:00-10:30	Impacts of discharges from Jericho Industrial Zone discharges on Jericho WWTP performance	Jericho Municipality
10:30-11:00	Findings on environmental auditing of agrifood industries in Wadi Zaimer watershed area	Omar Zimmo
11:00-11:30	Analysis of industrial cadastre in Wadi Zaimer catchment area	Nidal Mahmoud
11:30-12:00	<i>Coffee Break</i>	
12:00-12:30	Enhancing Governance of Industrial WWM in Two Palestinian Dairies Using CP & WFP Software	May Atmawi
12:30-13:00	Assessment of Pretreatment of Mixed Agro-Food Industrial WW and Evaluation of Impacts on a Pilot MBR System	Saja Younis
13:00-13:30	Monitoring and Evaluation of an Integrated UASB-Nature Based Treatment System for a Slaughterhouse Wastewater	Ammar Diab
13:30-14:30	<i>Lunch</i>	
14:30-16:00	Questions, remarks and comments, the way forward	Open discussion

Agenda for Wastewater Governance Workshop, the 2nd day, Tuesday 16-10-2018

Facilitation: Andrés Cabrera and Ángela Bayona, task leaders and researcher/Instructors at IHE Delft

Time	Activity
9:00-9:30	<u>Introduction</u> Brief presentation: schedule of workshop Presentation of participants. "Why does WWT matters in Palestine?"
9:30-10:00	<u>Wastewater Governance</u> Presentation of preliminary findings and overall objectives of the workshop
10:00-10:15	<i>Coffee Break</i>
10:15-11:00	<u>Roundtable 1</u> Conventional vs. CP Practices; What the common problem is?
11:00-11:15	<i>Coffee Break</i>
11:15-12:00	<u>Roundtable 2</u> CP self-assessment; How conventional or clean my production is? Sector?
12:00-13:15	<i>Lunch</i>
13:15-14:00	<u>Intermezzo</u> Brief overview of cleaner technologies from PADUCO2, BZU
14:00-14:15	<i>Coffee Break</i>
14:15-15:15	<u>Roundtable 3</u> Moving forward; Where should the next steps take us?
15:15-15:30	<i>Coffee Break</i>
15:30-16:00	<u>Closing time</u> Final remarks; Minutes and records of the workshop; Future endeavours