

Laboratoire de Recherche et Sciences de l'Eau  
Laboratory of Water Science and Research (LRS-Eau)  
National Polytechnic School of Algiers  
École Nationale Polytechnique (ENP) –Alger



With the Contest of :



ERANETMED DG-RSDT (MESRS)

In collaboration with :  
La DGRSDT, le CDER

And the requested support from :  
ADEP, SEAAL, ADE, ONA, ANBT, ABH, ANRH, ...

**Organize:**

TECHNICAL DAYS ON TREATED WASTEWATER REUSE  
JOURNÉES TECHNIQUES SUR LA RÉUTILISATION  
DES EAUX USEES ÉPURÉES  
« JT.REUE2017 »

Algiers, ENP  
21-22 of May 2017

## General Framework -Objectives

Both scarcity and quality worsening of conventional water resources constitute a major challenge for the 21st century. They represent a major issue and an essential preoccupation that negatively affects the well-being of citizens and seriously threatens the future generations.

During the current crisis and on account of the permanent availability of purified water, their reuse offers a great alternative in order to preserve resources of good quality. This scientific event aims for the exchange of research experiences and results in the field of wastewater reuse. It is also an occasion to dialogue and exchange experiences both in science and management fields.

One of the main goals of this event is to launch cooperative initiatives both on a national and regional level. Figuring out a reconciliation point between scarcity, quality and sustainability of water resources is a permanent purpose to reach.

Technical and managerial performances of institutions operating water resources, the right administration and governance of water resources are the key-solution for any country's prosperity. Waste water treatment and valorization, delegate management, turn out to be an unavoidable necessity.

During this event, obtained results within the project IRRIGATIO – ERANETMED - 7th Framework Program Algeria (Ecole Nationale Polytechnique - Algiers); are also going to be exposed. The laboratory of Water research and sciences (LRS-EAU) of the National Polytechnic School (Algiers) has the enormous pleasure to welcome your participation to the technical days on wastewater reuse that will be held on **May 21<sup>st</sup>-22<sup>nd</sup>** in Algiers. These technical days are going to be organized in collaboration with the contest of the DGRSDT, some scientific associations (ADEP; ..) and some national personalities.

## Waste water Treatment and Reuse

**Theme 1:** Waste water treatment and characterization

**Theme 2:** characterization of the ground, the waters of washing and some underground waters before and after irrigation with uncluttered waters.

**Theme 3:** Cultured irrigated with treated wastewater, impact on the microbiological / chemical contamination and the quality of vegetal production.

**Theme 4:** Socio-economical impact of treated wastewater reuse in agriculture.

**Theme 5:** Diverse reuses of treated waste water

**Theme 6:** Legislation on waste water reuse; information awareness, communication, water saving.

### Instructions to authors

**Abstract:** maximum 01 page (**version:** Word; **file to name:** First name. Last name.Doc).

**Title:** Times New Roman 14, bold, uppercase, centered.

**Author(s):** Times New Roman 11, bold, First names in capital letters, last name's first letter uppercase, centered.

**Affiliation and mail:** Times New Roman 10, normal, centered.

**Text:** Times New Roman 12, normal, simple and justified line spacing.

**Margins:** 2,5 cm right, left, up and down

**Key words:** 5 words (maximum).

**The abstract must imperatively be written in both French and English**

### Important dates : \_

Abstract submission deadline : 25/04/2017

Abstract approval notification: 30/04/2017

Article submission deadline : 10/05/2017

Article approval notification: 15/05/2017

**Official Languages :** French, English





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## **Temporary Program of May 21<sup>st</sup>, 2017**

**08.00-09.00:** Registrations

**09.00:** Opening ceremony and remarks:

- The director and /or the president of the event
- DGRSDT and CDER representatives
- ONA representative

**Morning:**

**Chairman: Prof. Md. Nacer CHABACA**

**Reporter: Mr. Salah KAREF**

**09:00-09:30 Pr.Ahmed Kettab Conference:**

- ✓ *Water resources in Algeria : reality and perspectives*
- ✓ *IRRIGATIO- ERANETMED Project presentation*

**09:30-10: 00 Mme Khacheba Rafika (ONA/MRE) Conference** *The unrecognized potential of sanitation for the preservation of water resources*

**10:00-10:20: Dr. Nakib Maamar** (Resp. WP1) :

*Fertilizing Potential of the purification Mud- effects on the soil and the plants*

**10:20-10:40 : Pr. Chabaca Md. Nacer** (Resp. WP2 et 3) :

*Corso (Wilaya of Boumerdes) a pioneer zone in agricultural wastewater reuse?*

**10:40-11:00: Mr. Karef Salah** (Resp. WP4): "*Study of Socio-Economic Possibilities of agricultural reuse of purification by-products*"

**11:00-11:20 : Mr. Benziada Salim** (Resp. WP5):

**Treated wastewater reuse: information, awareness, communication and dissemination grant to raise conventional resources potential?**

**11:20-11:40: Ms Bouanani Hanane** : *Monitoring tool to follow-up the agricultural reuse of purification by-products (taking into account characteristics of the soil, climate and obviously the by-products)*

**11:40-12:00 Ms Djaffar Sabrina** : "*Modeling and strategies of treated wastewater reuse to approach water auto-sufficiency*"

**12:00-12:30** : Debate

**12:30** : Lunch

**Afternoon:**

**Chairman: Dr. Maamar NAKIB**

**Reporter : Mr. Salim BENZIADA**

**13:30-13:45: Mr. Djillali Youcef:** *Quantitative and Qualitative evaluation of vegetable and arboreal crops irrigated by treated wastewater.*

**13:45-14:00: Mr. Boumalek Walid:** *By-products valorization Study as a resource for irrigation and fertilization*

**14:00-14:15: Mr. Lamri Amine.** : *Characterization of the Boumerdes WWTP by-products (Algeria)*

**14:15-14:30: Mlle Cherif lamia Rachida:** *Conception of a monitoring system of the fields and in trial station under spreadsheets for the implementation of a real time database.*

**14:30-14:45 : Mlle ZAIRI Manel** : *Waste water reuse in agriculture*

**14:45-15:00 : Mlle Boubekour Sabah** : *Socio-economic aspect of agricultural treated water reuse addressing climate change; Boumerdes WWTP case*

**15:00-15:15 : Mr. Abbas Aissa** : *Urban wastewater treatment and irrigation techniques*

**15:15-16:00** : debate

**16:00** : Coffee-Break

**16:30:** General Debate and recommendations.

**17:30** : Closing Speech

## **Temporary Program of May 22<sup>nd</sup>, 2017:**

- **Boumerdes Field Visit**

- **WWTP**

- **Exploration and Experimentation Fields**

**ENSA Visit (Ex. INA) :**

**Experimental Greenhouse**