

CONCEPT NOTE

SIDE EVENT february 5th ; 2024

"Reuse of treated wastewater: a strategic vision for sustainable development by 2050".

I- The event description

This session aims to focus on the situation of the wastewater treatment sector in Tunisia since the creation of the National sanitation utility "ONAS" in 1974, by detailing the evolution of the wastewater treatment network, the number of pumping stations, the number of wastewater treatment plants and the connection rate, indicators identifying the evolution of this sector.

A- Today, wastewater collection and treatment are aimed at reusing treated wastewater in a variety of fields: agriculture, industry, tourism, watering green spaces, ecosystem services, etc....

B- The importance of Treated TWW is reflected in:

- 1- The master plan for the reuse of treated wastewater up to 2050 drawn up by the Ministry of Agriculture, Hydraulic Resources and Fisheries (MARHP), with ONAS as the main partner.
- 2- The implementation of the "Water 2050" strategy by MARHP, which illustrates the importance of treated wastewater as a non-conventional resource for reinforcing water resources, in view of the impact of climate change, lack of rainfall and growing demand for conventional resources.

C- International cooperation and cross-border relations to promote the reuse of TWW in various fields, mainly the agricultural one, through pilot projects such as those included in the ENI CBC MED program: MENAWARA, NAWAMED, AQUACYCLE, MEDWAYCAP, etc...

D- Integrating of TWW into economic projects based on the principle of the "CIRCULAR ECONOMY", thereby guaranteeing an entire value chain, while taking into account the cost of secondary and tertiary treatment, transfer and collection, which demonstrate the importance of TWW in maintaining and developing several activities areas.

F- ONAS has established its first concession contract in the sanitation sector, with the aim of the sector development, it is useful to present this experience by focusing on the technologies to be applied within the framework of the South Tunisian contract.

G- The promotion of scientific research on new wastewater treatment technologies and the promotion of TWW, especially since several scientific institutes attach importance on their research works to non-conventional resources, mainly TWW.

II- Event schedule

The event will take place over an hour and a half (1H30') from 2:00 pm to 3:30 pm (Laico Tunis hotel) in a "Question & Answer Oriented" atmosphere with a varied population, according to the following scenario:

	Theme	Speaker	Duration
	<i>The Environment speech</i>		
A	ONAS Presentation : figures	M. Hassen chatti	10'
B	Water 2050 strategy Water 2050 master plan	M. Abdlahmid mnajja (DGGREE) M. Rafik Aiini (BPBH) Mme Awatef messai Thameur Jaouadi (ONAS)	10' 10'
C	International cooperation and cross-border relations for the reuse of treated wastewater	-Mme Samira Rafrafi (ministère de l'économie et de la planification) -M Fadhel Mhiri - CITET -Mme Latifa bouslimi- CERTE -	10' 03' 03' 03'
D	Integrating TMEs into economic projects based on the "CIRCULAR ECONOMY" principle	-Prof Maher gassab (Economiste)	05'
E	Testimony of users and customers of EUT	-M Abderraouf Njeh (STD Golf) -M. Hassan Jarrallah (Agriculteur) -Représentant de la municipalité de Tunis -M. Andrea salinelli (PDG de la CAT Ciment) M. Mohamed mekci -Sartex - Aziz Selmi - Enactus INAT-Waterose	03' 03' 03' 03' 03'
F	Concession in the wastewater sector for a development of the sector (technologies that will be applied within the framework of the South Tunisian contract)	Flavia ZRAICK Water Reuse Discipline Manager	15'
G	<i>Research promotion in WWT treatment and reuse</i>	-M.Hakim gabtni (CERTE) -M. Samir hamza (INSAT)	03' 03'