

DOCUMENT DE SYNTHÈSE SUMMARY DOCUMENT

WORKSHOP :

LA VALORISATION DE LA RECHERCHE SCIENTIFIQUE DANS LE SECTEUR DE L'EAU

VALORIZATION OF SCIENTIFIC RESEARCH ACHIEVEMENTS IN WATER SECTOR

17 & 18 MARS / MARCH - 2015
HÔTEL RAMADA PLAZA GAMMARTH



الديوان الوطني للتطهير
OFFICE NATIONAL DE L'ASSAINISSEMENT



PROGRAM

DAY 1 : MARCH 17th 2015

08h30- 09h00	Registration
09h00- 09h20	Welcome address and Opening speeches
09h20- 09h45	Exhibition Stands visit by the officials

PANEL 1 : WATER AS A RESOURCE

Panelists :	<p>Prof. Mohamed BEN YOUSSEF, General Director of Water Researches and Technologies Center Prof. Abderrazak SOUSSI, General Director of the Office of Hydraulic Balance and Planning /MARHP Mr. Lotfi FRIGUI, General Director of Water Resources /MARHP Mr. Abdallah CHERID, General Director of Dams and Hydraulic Works /MARHP Mr. Romdhane SOUID, CEO, Chemical Group of Tunisia</p>	
09h45- 10h00	For a new vision of the underground water management	Dr. Abdessatar BEN GSIM (MARHP)
10h00- 10h15	Scientific Research Achievements in Water Sector in Tunisia: Characterization and modeling of Water Resources	Prof. Jamila TARHOUNI (INAT)
10h15-10h30	Sedimentation in reservoirs; problem for sustainability or resource for new innovation?	Prof. Mitsuteru IRIE (Tsukuba University)
10h30-11h15	Discussion session	Moderator : Prof. Foued ZARGOUNI (FST)
11h15-11h45	Coffee Break	

PANEL 2 : DRINKING WATER

Panelists :	<p>Mr. Mohamed DAHECH, CEO of National Water Operating and Distribution Company Mr. Ridha GABOUJ, General Director of Rural Engineering and Water Exploitation/MARHP Dr. Mohamed Néjib MANSOURI, CEO of Technopark Management Company of Borj Cedria</p>	
11h45- 12h00	Drinking water in Tunisia- Facts & Prospects	Ing. Mosbah HELALI (SONEDE)
12h00- 12h15	Scientific Research applications to improve water quality Study case Hardness and Iron in Drinking water	Prof. Mohamed BEN AMOR (CERTÉ)
12h15-12h30	On-site removal apparatus for fluoride in the water environment	Prof. Masamoto TAFU (National Institute of Technology, Toyama College)
12h30-12h45	Analysis and Countermeasure of NRW (Non-Revenue Water)	Mr. Ken YOKOYAMA (Yokohama Water Co.,Ltd)
12h45-13h30	Discussion session	Moderator: Dr. Ameer HORCHANI
13h30- 14h45	Lunch	

PANEL 3: WASTE WATER

Panelists : <i>Mr. Rached BEN ROMDHANE, CEO of National Office of Sanitation</i> <i>Mrs. Amel JRAD, General Director of Tunis International Centre for Environment Technologies</i> <i>Mr. Kais BLOUZA, General Director of National Agency for Environmental Protection</i> <i>Mr. Mohamed REBHI, Director of Environmental Hygiene/ Ministry of Public Health</i>		
14h45-15h00	<i>Problems of the treatment and re-utilization of Waste Waters in Tunisia</i>	Mr. Taoufik ZARGOUNI (ONAS) Mrs. Souad DKHIL (DGGREE/MARHP)
15h00-15h15	<i>Research achievements in the domain of treatment and valorization of waste waters</i>	Prof. Ahmed GHRABI (CERTÉ)
15h15-15h30	<i>Latest sewerage systems with energy saving, water reuse and resources recovery for sustainable society in Japan</i>	Prof. Tetsuya KUSUDA (Faculty of Engineering, Kyushu University)
15h30-16h15	<i>Discussion session</i>	Moderator: Mr. Nasreddine BOUGUERRA (ONAS)
16h15-17h30	<i>Coffee Break/ Stands visits & discussion</i>	

DAY 2 : MARCH 18th 2015

08h30- 09h00	<i>Registration</i>	
PANEL 4 : WATER AND IRRIGATION		
Panelists : <i>Mr. Abderrazak SOUISSI, General Director of the Office of Hydraulic Balance and Planning (MARHP)</i> <i>Mr. Ridha GABOUJ, General Director Rural Engineering and Water Exploitation (MARHP)</i> <i>Mr. Hassen CHOURABI, General Director of Management and Preservation of Agricultural Lands (MARHP)</i> <i>Prof. Hamadi HBAIEB, General Director of National Institute of Rural Engineering and Water Forestry</i>		
09h00- 09h20	<i>Irrigated Agriculture Sector in Tunisia : Current status and future challenges</i>	Mrs. Najet GHARBI (DGGREE /MARHP)
09h20- 09h40	<i>Performance analysis tools of the irrigated farms</i>	Dr. Abdelaziz ZAIRI (INRGREF)
09h40-10h00	<i>Impact of increasing energy prices and groundwater depletion on social equity and irrigation access: Case study of shallow wells in Central Tunisia</i>	Dr. Hacib EL AMMAMI (INRGREF)
10h00-10h20	<i>Extension tools for disseminating water saving irrigation techniques in the Syrian Arab Republic</i>	Mr. Masakazu NAKAYAMA (Appropriate Agriculture International Co.,Ltd.)
10h20-11h00	<i>Discussion session</i>	Moderator : Prof. Khemaies ZAYANI (MESRS)
11h00-12h15	<i>Coffee break/ Exhibition Stands visit/ B2B</i>	
12h15- 12h45	<i>Wrap-up session/ Recommendations (Signature of Collaborative Agreements)</i>	
12h45- 13h00	<i>Closing session</i>	
13h00- 14h30	<i>Lunch</i>	
15h00-17h30	<i>Field visits</i>	



PANEL 4

WATER IN IRRIGATION

SUMMARY OF THE PANEL

In view of the important social, economic and environmental role of irrigation, it is vital to improve its efficacy. The involvement of all the actors in the domain of water, right from the local level to the national level is indispensable for decision-making. The contribution of scientific research, whose role it is to come up with solutions to the constraints and field problems facing the development organisms and the farmers, is necessary for the success of State policies pertaining to the irrigated sector.

The sustainability of this sector means analyzing the performance of irrigation at different scales, especially at the scale of the farm which occupies a central position.

In order to respond to the needs for assistance for decision-making by the actors involved in water management, it is necessary to have integrated means of analysis of the situations in order to make a status report, understand the interactions and make projections for the future.

Consequently panel 4 focuses on the following themes:

- status report of irrigation in Tunisia and research opportunities
- analysis of irrigation performance at the farm level
- identification of innovations and new approaches for an optimum management of water.

ORGANIZATION

Coordinator:

Dr. Mohamd KEFI (CERTE)

Rapporteurs :

Dr. Abdelaziz ZAIRI (INRGREF)

Mme Najet GHARBI (DGGREE)

ANIMATION

Panelists :

M. Abderrazak SOUISSI,
GD/BPEH

M. Ridha GABOUJ,
GD/GREE

M. Hassen CHOURABI ,
GD/ACTA

Prof. Hamadi HBAIEB,
GD/INRGREF

Moderator :

Prof. Khemaies ZAYANI (MESRS)

PRESENTATION 4

Extension tools for disseminating water saving irrigation techniques in the Syrian Arab Republic

Mr. Masakazu NAKAYAMA

Appropriate Agriculture International Co.,Ltd
Japan

ABSTRACT :

Available water resources in Syria had been depleted because of rapidly increasing of water demand. In 2009, irrigated agriculture consumed water about 89% of the total water use in Syria. Saving water in irrigated agriculture was one of the top priority issues. In this context, JICA technical cooperation project on development of efficient irrigation techniques and extension (DEITEX) was implemented from 2005 to 2012.

The basic strategy of the DEITEX project was to adopt the approach that farmers naturally selects water saving irrigation method because it was believed in more effective and sustainable solution in the long run. In order to do so, farmers needed to be improved both capability and awareness on saving irrigation through various extension activities by skilled extension workers. Training courses for the extension workers and extension activities for the farmers were therefore important activities in the DEITEX project. The subject of these training courses and extension activities were widely chosen regarding "hardware", "software", and "mind-set": the hardware means irrigation equipment, the software means irrigation management, and the mind-set means awareness or attitude to water saving.

The DEITEX project developed four extension tools which were a "discharge measurement kit", an "irrigation calendar", an "irrigation notebook", and a "digital irrigation note". The discharge measurement kit enables farmers to easily measure irrigation water amounts on their farm. The irrigation calendar is a tool that shows the necessary duration of irrigation for different crops in a different area. The irrigation notebook can be used as a cultivation record with notes and one can identify inefficiencies by recording daily farming activities. The digital irrigation note is the PC version of the irrigation notebook. It can automatically create graphs based on the data in the irrigation notebook for visual information presentation. By combining these four tools, farmers are able to know their own farming management in an objective manner by using number, leading to increased awareness of the necessity of water saving. The extension workers can communicate essential knowledge and information on water saving irrigation by explaining the use of these tools and by distributing these materials. Farmers will improve their awareness on water saving and farm management as a whole by using these tools.

