



By
Prof. Dr. Mohamed H. Amer
 Chairman, ENCID



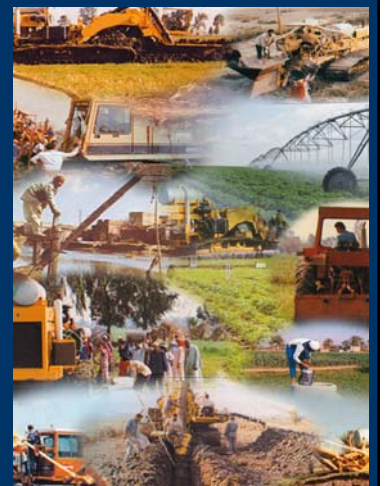
Name: **Prof. Dr. Mohamed H. Amer**
 Position: **Chairman, ENCID**
 Paper Title:

GLOBAL DRAINAGE NEEDS

- The type of drainage needs and the approach to be developed to assess these needs is determined by the different climatologic zones.
- The economic context will also help determine the intensity of the needs.
- Issues of special importance regarding drainage needs are: Drainage development policies; research needs; drainage investigation and design; needs related to materials, constructions, installation, operation, maintenance and management; needs for capacity building, training and education; and the need for international networking and technology transfer

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To EGYPT



•The 2nd agric. revolution in Eg. was in the second half of the 20th century, represented in building the Aswan High Dam, the major Nile control and development project.

• Presently, Egypt is entering a new era of development by implementation of 2 national land reclamation projects, considered the backbone of modern Egypt :

1. El-Salam Canal Proj. (620,000 acres)
2. the “Toshka” Development Proj. (540,000 acres) south of Egypt.



IRRIGATION & DRAINAGE IN EGYPT

IRRIGATION

•Agric. land in Egypt is irrigated by a single water resource, the River Nile.

•The land area for agric. production represents 3.5% of the whole area of the country. The remaining 96.5% is arid land.

•The 1st agric. revolution in Eg. was to provide perennial irrigation. 8 barrages were constructed for further development & expansion of cultivated areas.



DRAINAGE INSTITUTIONS

A number of efficient drainage institutions support this program in the field of research, implementation, and Training:

1. Drainage Research Instit.(**DRI**) affiliated to NWRC/MWRI.
2. The Egyptian Public authority for Drainage Projects (**EPADP**).
3. The Reg.Center for Training & Water Studies (**RCTWS**).



DRAINAGE

•Among the constraints to ag. production in Eg. is the rise in watertable causing waterlogging and salinization.

•To solve these problems, the Government of Egypt has launched a drainage program to provide all the agric. Land of Eg. with a complete drainage system consisting of:

- ** construction of subsurface dr. systems,
- ** open drains & installation of pumping stations.

•By the year 2010, an area of about 5.55 million acres was provided with pipe drainage.



MAIN THEME

Agricultural Drainage Needs and Future Priorities

Topics

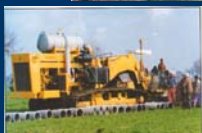
1. Planning and Design of Drainage Systems



2. Improvement of Drainage Technology and Techniques



3. Drainage Management



WORKSHOP OBJECTIVES

The main objective of the 11th International Drainage Workshop is to discuss matters on how to make agricultural production possible and more profitable. Agricultural drainage can be seen as part of the integrated land and water resources management approach, where environmental aspects play an important role. Advances in the science of drainage address the impact of the system on both productivity and environmental aspects.

PAPERS

Theme: Agricultural Drainage Needs and Future Priorities

- A number of about 70 extended abstracts were received from about 25 countries so far for presentation in the workshop.
- The deadline for submission of full papers was open till July 31st, 2012.

(Authors guidelines for paper submission are found on the workshop website www.encid.org/ldw11)

4. Environmental Aspects and Climatic Change



5. Research Development and Capacity Building



* Under each topic, there are 5-6 subtopics (see website www.encid.org/ldw11)

* Plenary sessions & panel discussions will also be organized.



Map of Africa



Map of Egypt



EGYPT – The Host Country

- Egypt is the cradle of all civilizations.
- Egypt has a unique geo-strategic location at the center of Africa, Asia and Europe.
- Egypt is known as the world's greatest open-air museum
- Egypt is home to half of the world's antiquities, housing the Pharaonic, Coptic, Roman and Islamic civilizations.



ACCOMMODATION

Hotels	Range of room rates (BB / Taxes inclusive)
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Pyramisa (workshop venue):	\$105 - \$170
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Conrad (3 km from venue):	\$140 - \$290
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Flamenco (3 km from venue):	\$ 76 - \$120
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Safir (500 m from venue):	\$100 - \$120
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For more information about hotel locations, rooms and facilities please visit the links to the hotel websites at the workshop homepage (www.encid.org/idw11).



EXHIBITION

- Simultaneous with the workshop, an exhibition will be held showing ENCID activities and publications, the major projects and achievements of MWRI and NWRC research institutes.

- For more details about reservation of the exhibition area, please visit the Workshop website (www.encid.org/idw11).



TOURS

I. Technical Tour (FREE)

September 25, 2012 (half day)
Research and Development Tour

The tour will include visits to:

- the NWRC Institutes,
- the Central Laboratory for WQ Monitoring,
- the Technical Library at Delta Barrage area,
- the Telemetry Monitoring & Control System , and
- the Forecasting Center of MWRI.

REGISTRATION

On-line registration is now available through the workshop website (www.encid.org/eg/idw11).

Registration Fees

Participants (ICID Member) US\$ 550

Participants (Non Member) US\$ 600

Registration fees for participants cover the following:

- Welcome reception;
- Workshop briefcase and registration kit;
- Opening and closing ceremonies;
- Lunches, coffee breaks banquet and cultural show;
- Workshop proceedings and publications;
- Attendance of all workshop sessions;
- Visit exhibition
- Free technical tours.

III. Accompanying Persons' Tours (September 23 – 25, 2012)

1. Pyramids, Sphinx, Sakkara & Kirdasa village
2. Suspended St. George Church – Old Cairo - 6th of October Panorama
3. Salah El-Din Citadel – Military Museum, Khan El-Khalili and Islamic Monuments
4. The Egyptian Museum & Cairo Tower – Tahrir Square
5. Pharaonic & El-Harrania villages



II. Post-Workshop Tours (September 26 - 27, 2012)

Tour (A):

Visit drainage projects in the Delta

(2 days /1 night)

(overnight in Alexandria)

The tour will include visiting

- the irrigation and drainage projects in Dakahliya,
- the pipe-making factories in the Delta area, and
- the wetland Project at Bahr El-Bakar .



Tour (B):

North Sinai/Visit to El-Salam Canal Project

(2 days /1 night)

(overnight in Port-Said)

* Meet-and-assist service will also be organized by Misr Travel Agent through the Workshop Organizing Committee.



OVERALL PROGRAM

Date	Time	Activity 1	Activity 2
Sat. Sept. 22, 2012	17:00 - 19:00	Registration & Welcome Reception	
Sun. Sept. 23, 2012	8:00 - 11:00	Registration	
	9:00 - 10:00	Opening Ceremony	
	10:00 - 10:30	Coffee Break	
	10:40 - 11:00	Opening of Exhibition	
	11:00 - 13:00	Topic (1) - Session 1A*	Topic (2) - Session 2A*
	13:00 - 14:00	Lunch Break	
	14:00 - 15:30	Topic (1) - Session 1B**	Topic (2) - Session 2B**
Mon. Sept. 24, 2012	9:00 - 11:00	Topic (3) - Session 3A*	Topic (4) - Session 4A*
	11:00 - 11:30	Coffee Break	
	11:30 - 13:00	Topic (3) - Session 3B**	Topic (4) - Session 4B**
	13:00 - 14:00	Lunch Break	
	14:00 - 16:00	Topic (5) - Session 5A*	Special sessions/side events
	16:00 - 16:30	Coffee Break	
	16:30 - 18:00	Topic (5) - Session 5B**	
	20:00 - 23:00	Invited Dinner & Cultural Show*	
Tues. Sept. 25, 2012	9:00 - 10:30	Wrap-up & Closing Ceremony	
	10:30 - 11:00	Coffee Break	
	11:00	Free technical tour	
Wed. Hours Sept. 26 - 27, 2012		Post-workshop tours (A & B) By reservation	

* Keynote Speech + 5 technical presentations
** 5 technical presentations



CAIRO – EGYPT

The host country

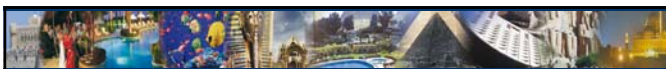


CONTACT ADDRESS

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THANK YOU
Waiting for you in Egypt