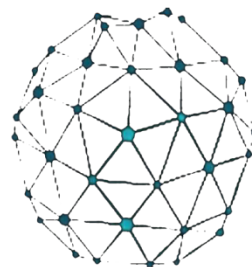




Tunisian Committee of Hydrogeology

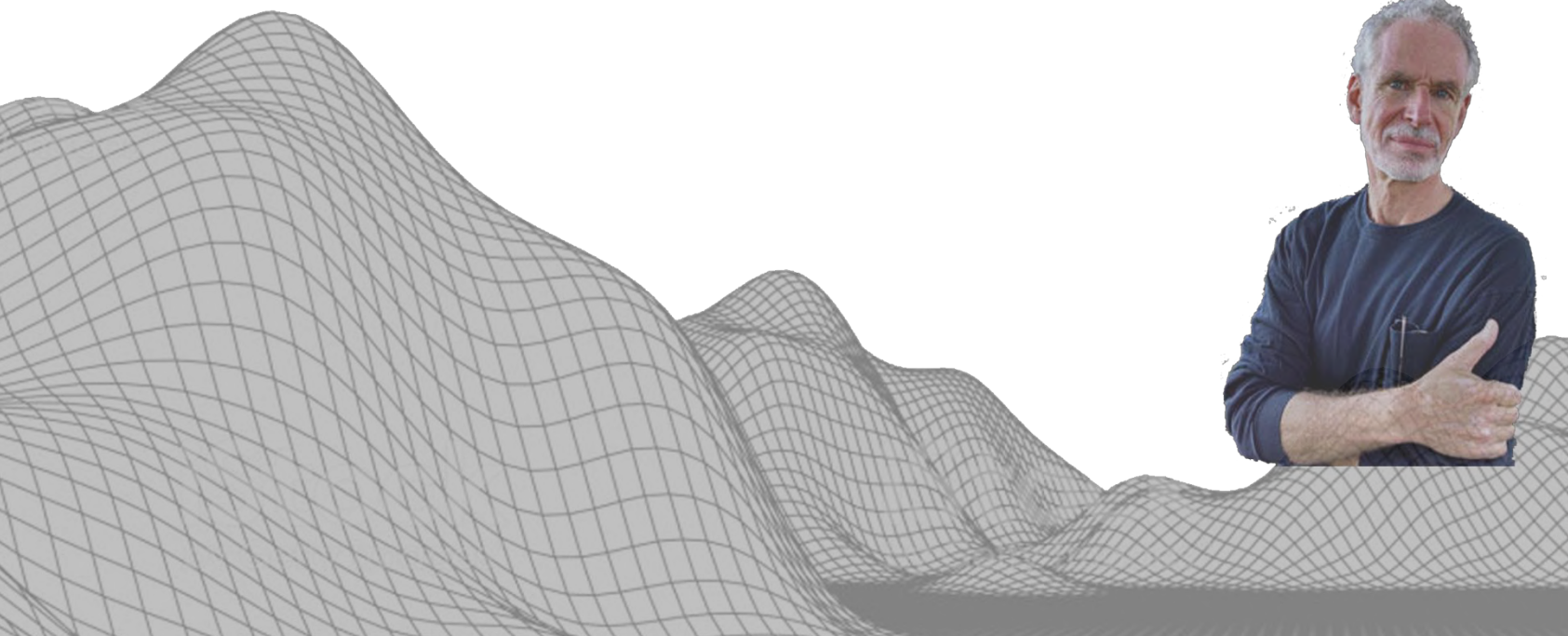


INTERNATIONAL CONFERENCE

GROUNDWATER MODELLING



SMART_IWRM_Medjerda project (PEER_NAS_USAID)
with the collaboration of *the Tunisian chapter of the
International Association of Hydrogeologists*
(IAH_TCH) organize:



in honor of
Pr. Clifford I. Voss

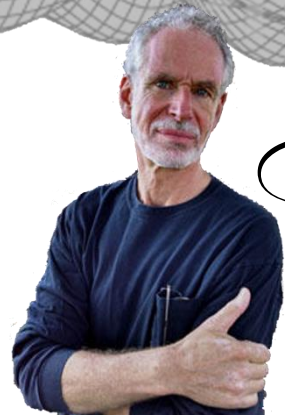


TUNIS

MARCH 11, 2020
CITÉ DE LA CULTURE
SOFIE GOLLIE ROOM



Biography



Clifford I. Voss is a senior scientist with the hydrological research program of the *U.S. Geological Survey (USGS)*.

He has over 30 years of project management, implementation, field and research experience in groundwater systems, including: computer model development and application of models to scientific evaluation of hydrogeologic systems, groundwater resources development and protection, coastal groundwater resources, and the use of the subsurface for energy production and waste isolation.

He is recognized as an international expert on groundwater modeling. He consults extensively on groundwater system evaluation and management and lectures worldwide on these and Related subjects.

The practical methodology and models he developed are in standard use worldwide in subsurface assessment.

Agenda

09:00-09:30

Registration

Welcome Speech

Chairwoman: Dr. Fatma Trabelsi (ESIM)

Secretary of State in Charge of Water Resources : **Prof. Akissa BAHRI**

General Director of Scientific Research at the MHESR: **Prof. Samia CHARFI**

09:30-10:00

President of the IRESA: **Prof. Elyes HAMZA**

President of the University of Jendouba, **Prof. Mokhtar MAHOUACHI**

General Director of the ESIM, **Prof. Hassen KHARROUBI**

Representative of the USAID: USA Embassy

Session 1: PEER Projects (NAS_USAID)

Chairwoman: Dr. Fatma Trabelsi (ESIM)

10:00-10:15

Project SMART_IWRM Medjerda: Dr. Fatma Trabelsi (ESIM)

Project Smart Water: Dr. Anis Chkirben (FST)

Project IMAS_Ichkeul: Dr. Béchir Béjaoui (INSTM)

Project Southern Tunisia climate hub (STCH): Dr. Bouajila Essifi

Session 2: Keynote conference presented by

Prof. Clifford I. Voss (USGS)

Chairwoman: Dr. Sihem Benabdallah (CERTE/TCH)

10:15-11:15

Informing Management of the World's Largest Groundwater Systems with Simply-Structured Model Analysis

11:15-11:45

Discussion & Debate

11:45-12:00

Coffee Break

Session 3: IAH Tunisian Chapter presented by

Dr. Faten Jarraya Horriche (CERTE/TCH)

Chairwoman: Dr. Sihem Benabdallah (CERTE/TCH)

12:00-13:00

The Hydrogeology in Tunisia: Challenges, Management and Research

13:00-13:30

Discussion & Debate


13:30


Closure


SMART_IWRM_Medjerda Project


SMART_IWRM_Medjerda : *"Improving Sustainable Groundwater Management of the Lower valley of Medjerda basin"* is the Research & Development project funded by the PEER cycle 7 program (NAS_USAID) and led by the Higher School of Engineers of Medjez El Bab (ESIM) and the USGS.

For more details about SMART_IWRM_Medjerda project, contact us:

 peer.medjerda@gmail.com

 Smart IWRM Medjerda

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PEER program (NAS_USAID)

The Partnerships for Enhanced Engagement in Research (PEER) program is a competitive awards program that invites scientists in developing countries to apply for funds to support research and capacity-building activities on topics of importance to USAID and conducted in partnership with U.S. Government (USG)-funded and selected private sector partners. The program is supported by USAID but implemented by the U.S. National Academies of Sciences, Engineering, and Medicine (NAS).

For more details about PEER program, see:

Website: <https://sites.nationalacademies.org/PGA/PEER/index.htm>

Specific Objectives

SMART_IWRM_Medjerda project aims to support groundwater resources management of the Lower valley of Medjerda River basin based on IWRM principles through three main pillars:

- Overall initial assessment of groundwater resources availability and quality
- Data management & Numerical simulation of water resources
- Capacity Development

Expected Results

- Implementation of a **smart water monitoring system using IoT platform**
- Development of a **GIS modelling platform based decision support system tool (DSS)** that can be used by managers in water-resource decision making.
- Improve **capacity building** of water stakeholders and **empowering women role** in water sector

