Will Logan, Deputy Director, International Center for Integrated Water Resources Management, under the auspices of UNESCO, and
Nasser al Hosni, Assistant Director-General for Water Resources Management, Ministry of Regional Municipalities and Water Resources (MRMWR), Muscat, Sultanate of Oman; and General Coordinator, Arab G-WADI

With thanks to

Prof. Abdin Salih, Director a.i., UNESCO Cairo Office, and
Abdelaziz Zaki, National Programme Officer; Water Sciences, UNESCO, Cairo
The Arid and Semi-arid Regions of the World
UNESCO’s Intergovernmental Scientific Cooperative Programme in Hydrology and Water Resources

The International Hydrological Programme (IHP) is the only intergovernmental programme of the UN system devoted to water research, water resources management, and education and capacity building. The programme, tailored to Member States’ needs, is implemented in six-year phases – allowing it to adapt to a rapidly changing world.

IHP-VII: Water Dependencies: Systems under Stress and Societal Responses

This phase of IHP (2008-2013) will continue to promote and lead international hydrological research, facilitate education and capacity development and enhance governance in water resources management. The aim of these efforts is to help meet the UN Millennium Development Goals (MDGs) on environmental sustainability, water supply, sanitation, food security and poverty alleviation.
Dear Director-General,

Subject: Water Research Centre at the Kuwait Institute for Scientific Research as a Category 2 Centre under the auspices of UNESCO.

I am pleased to inform you hereby that the Government of Kuwait submits a proposal for a Water Research Centre at the Kuwait Institute for Scientific Research as a Category 2 Centre under the auspices of UNESCO. The Centre has existed for years now.
G-WADI fits well into IHP’s new phase, IHP-VIII (2014-2021)

- Water Related Disasters and Hydrological Changes
- Groundwater in a Changing Environment
- Addressing Water Scarcity and Quality
- Water and Human Settlements of the Future
- Ecohydrology Engineering Harmony for a Sustainable World
- Education, Key to Water Security

Water Security, Addressing Local, Regional and Global Challenges
G-WADI is a Global Network but also has Regional Networks
G-WADI's mission is to strengthen the capacity to manage the water resources of arid and semi-arid areas around the globe through a network of international and regional cooperation.
G-WADI LAC has focused on Regional Frequency Analysis, and now Drought Monitoring and Forecasting

http://www.climatedatalibrary.cl/CAZALAC/maproom

LAC Drought Atlas

Historical drought frequency analysis for the countries of Latin America and the Caribbean.

This maproom shows the results of the Regional Frequency Analysis using L-Moments. The complete analysis is described in Nuñez et al. (2010).

The Drought Atlas was developed in collaboration with the International Center for Integrated Water Resource Management (ICIWARM) and the European Joint Research Centre (JRC).

Regional workshops were organized with support from the Flanders-UNESCO Trust Fund (FUST) and in collaboration with the EU-funded projects Euroclima and RALCEA.

Cuba
This map shows the maximum precipitation amounts for multiple return periods for Cuba using the Regional Frequency Analysis using L-moments (RFA-LM).

Honduras
This map shows the maximum precipitation amounts for multiple return periods for Honduras using a Regional Frequency Analysis using L-moments (RFA-LM).

Mexico
This map shows the maximum precipitation amounts for multiple return periods for Mexico using the Regional Frequency Analysis using L-moments (RFA-LM).

References
G-WADI SSA has focused on Satellite-based Precipitation Products

U. Arizona/OMVS modeling of Senegal River Basin.

Princeton’s Africa Drought Monitor

UC-Irvine G-WADI Geoserver website, near real-time precipitation map.
Asian G-WADI emphasizes capacity building, with scholarships, and has a network of river basins.

Materials for global G-WADI and 5th Asian G-WADI meeting, Sep. 20, 2013

Posted by Tong in Asian G-WADI Activities, G-WADI Activities on September 23, 2013

The 5th Asian G-WADI meeting as well as a global G-WADI meeting was held in the Foreign Experts Building, Beijing, September 20, 2013. Total 31 participants include representative members from 9 Asian members (China, India, Iran, Kazakhstan, Kyrgyzstan, Mongolia, Pakistan, Thailand and Vietnam) and Oman as well as representatives of UNESCO Offices (Bangkok/Beijing/New Delhi/Tehran/Paris/Santiago), and Prof. Abdin Salih and Prof. Soroosh Sorooshian.

Some presentations available for public can be find below.

1 G-WADI a decade - Remarks and way forward G-WADI Network from Prof. Abdin Salih (Abdin-The International Workshop on Remote Sensing and Ecohydrology in Arid Regions)

2 Sub-Saharan African G-WADI, prof. Cheikh B. Gaye (GWADISSA –Beijing1)

3 Asian G-WADI activities, Prof. Zhuotong Nan (5th asian gwadi)

4 Managing water resources in arid and semi-arid regions of Latin America and the Caribbean, Dr. Koen Verbiest (MWAR-LAC_GWADI)

5 Consensual precipitation and discharge seasonal forecasts in West-Africa, Dr. Abdou Ali (ACRHMET_GWADI_Beijing)

6 Hard rock aquifers in semi-arid region of Krishna Basin, India, Prof. S. Ahmed (EHP_ASIANGWADI)
Welcome to Arab G Wadi

The network establishment was approved in 2004 based on the decision of the 15th session of the Intergovernmental Council of the International Hydrological Programme- UNESCO.

Meeting

First meeting of the Secretariat of (Arab G-WADI Network) was held in Muscat for two days on 28-29/1/2013.
Arab G-WADI has broad-based Support

Founders

- United Nations Educational, Scientific and Cultural Organization (UNESCO) represented by the regional office of UNESCO in Cairo and other offices in Arab countries.
- Arab League for Educational, Cultural and Scientific Organization (ALECSO).
- Islamic Educational, Scientific and Cultural Organization (ISESCO).
- Arab National Committees of the International Hydrological Programme of UNESCO.
- Organizations of the League of Arab States.
- Arab Water Council.
- Regional Center for Water Harvesting - Republic of Sudan.
- Water Research Center, Faculty of Engineering, University of Khartoum - Sudan.
- Arab Water Council - Egypt.
- Arabian Gulf University - Bahrain.
- The Educational Center of United Nations University for Water Resources Management in the Arab Region - Kingdom of Bahrain.
- Water Resources Research Institute - Egypt.
- Regional Centre for Training and Water Studies - Egypt.
- Directorate General of Meteorology and Air Navigation - Civil Aviation Affairs - Sultanate of Oman.
www.arabgwadi.om
arab.g-wadi@mrmwr.gov.om

Arab G Wadi

Message
Expanding the (G-WADI) community through wide participation of UNESCO centers and regional offices, and developing the connections...

Goals
Exchange water information between members of the network, allowing to benefit from different experiences on Arab and international...

Vision
Promotion of knowledge and capacity development on water resources management in arid and semi-arid regions, which include a wide...

Subscribe E-newsletter

Contact Us
Address: P.O Box 461, P.C no. 112 Kuwi
E-mail: arab.g-wadi@mrmwr.gov.om
Final note: G-WADI is very collaborative

Individual Projects – Different Sponsors – Common Objectives