Who are we?

MIRRA is a Jordanian non-governmental organization established in 2007. We aim to support research & development in Jordan’s agricultural and water sectors through cooperation with farmers, private sector entities, governmental sector and international research institutions. MIRRA operates developmental projects, building capacities & consultative missions in agriculture, irrigation, water, sanitation and hydro-modelling.

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MIRRA Hosts the Principal Investigator of the Ultra-Low Energy Drip Irrigation for MENA Countries Project

Jordan Valley, Jordan, 9 April 2019: Dr. Amos Winter, MIT professor and principal investigator of the “Ultra-Low Energy Drip Irrigation for MENA Countries” (ULED) project, visited Jordan in the beginning of April to check on the progress of the project. During his visit, he visited three selected sites for Phase 2-B of the project, which focuses on testing the ultra-low energy in-line drip emitters. The three sites are: Ramtha, Wadi Al Rayyan and Sharhabeel. During the visit, the participants discussed the possible irrigation system layouts and locations of pump houses.

The ULED project is now in the stage of sites preparation and irrigation systems installation. The concrete basements for the pump houses have been constructed and the irrigation system at Azraq has been installed. The installation of irrigation systems at the remaining sites will be done during the next month.

MIRRA welcomes summer intern from the University of Texas at Austin

Amman, 15 June 2019: Rachel Brooks, a dual-master’s candidate at the University of Texas at Austin, has joined the MIRRA office in Amman as a summer research intern. Rachel specializes in international development and gender studies in the Middle East through her coursework toward a Master of Arts in Middle Eastern Studies and a Master of Global Policy Studies. She will be contributing to on-going projects at MIRRA, including writing case study reports for publication and performing site visits. MIRRA and the University of Texas at Austin have a partnership through Dr. David Eaton and Dr. Samer Talozi, which allows American graduate students to complete research in Jordan. Rachel is the third student from the University of Texas at Austin to collaborate with MIRRA.
MIRRA & AUSTRIAN FOUNDATION FOR DEVELOPMENT RESEARCH (OFSE) ORGANIZED A SERIES OF WORKSHOPS ON FOOD, WATER AND ENERGY NEXUS IN JORDAN


The multi-disciplinary team is developing a long-term Food-water-energy systems model applicable to the Amman region. In working groups and discussion sessions, more than 100 Jordanian participants as users, experts or/and modelers from multiple key sectors developed together insightful scenarios and feedback for the FUSE model.

The model captures connections and feedbacks among users, producers, distribution mechanisms, and resources connecting the food-water-energy nexus. Under narratives of future changes in climate, demographics, land use, and economic development, and considering the behavior of a wide range of actors, the team will develop and evaluate policy interventions and innovative governance forms to identify implementable sustainability options.

To learn more about the FUSE project, please visit: https://fuse.stanford.edu or https://web.facebook.com groups/396658157799921/.

The FUSE workshop for the users in Jordan of Food, Water and energy, 24 March 2019.

Northeast with the research and development of the research team on the Jordanian level in the food-water-energy policy, the climate, demography and land use, and economic development, and considering the behavior of a wide range of actors, the team will develop and evaluate policy interventions and innovative governance forms to identify implementable sustainability options.

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MIRRA PARTICIPATES IN THE 10TH SAWSANA EXHIBITION IN JORDAN

Amman, 25-27 Mar 2019: MIRRA participated in the 10th International Sawsana Agricultural Exhibition to raise public awareness about MIRRA current endeavors. During the exhibition, MIRRA’s team explained the main projects which are currently being implemented.

MIRRA showed samples for the innovative technologies that are under testing in MIRRA project. The visitors to MIRRA booth were impressed by the technologies specially the ultra-low-pressure emitters.

The exhibition was held in the International Center for Exhibition and Conferences. The Sawsana Exhibition is held every year, where participating agricultural companies present their products and services.

For more of the Sawsana Exhibition, visit our website

MIRRA participated in the Global Entrepreneurship Summit 2019

The Hague, The Netherlands, 3-6 June 2019: MIRRA participated in the Global Entrepreneurship Summit (GES 2019) in The Hague, Netherlands, representing Jordan in the Agriculture and Food category. MIRRA, represented by Eng. Elham Al-Shurafat was chosen among the leading entrepreneurs to participate in the opening ceremony and other events for its innovative low-energy drip irrigation systems and the ongoing project regarding wastewater treatment and reuse in institutions.

MIRRA’s Elham Al-Shurafat 3rd from the left with Holland Prime Minister and USA Secretary General, at GES 2019, 3-6 JUN 2019
MIRRA & UNIVERSITY OF MANCHESTER LAUNCH PROJECT TO DESIGN AND ASSESS WATER – ENERGY – FOOD – ENVIRONMENT WITHIN MEGA DAM SYSTEMS IN THE FUTURE

Amman, 1 April 2019: MIRRA signed on with the University of Manchester to launch a new project, “FutureDAMS: Future Design and Assessment of Water–Energy–Food–Environment Mega Systems in the Future,” in April 2019. This project focuses on how to transform the process by which new dams and systems of new and existing dams are assessed, selected, designed, and operated to provide water, food, and energy nexus security for all.

The FutureDAMS project will achieve a deeper understanding of how nexus system interventions of new dams and their operation cascade through socio-economic, engineering, ecological and political systems, and use this knowledge to help stakeholders develop and negotiate solutions that are economically, socially and environmentally beneficial.

This project will enhance the technical and institutional capacity of the stakeholders to ensure that dam decision-making leads to economically, socially and environmentally desirable outcomes.

Furthermore, the FutureDAMS project will create a hydrological model for rivers and dams cross-disciplinary network of researchers and policy-influencers and interdisciplinary tools for dam decision-making globally, which will continue to operate after program completion and that can transfer learning to the ‘next generation’ of nexus system planners world-wide.