

Future Earth Regional Workshop for Middle East and North Africa

3-5 June, Cyprus

List of participants

Ms. Fatima Zohra Oufriha

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Fatima Zohra Oufriha is an Aggregate Professor. She received her PhD in Economics in 1972. She holds degrees in sociology, history and law. She taught economic analysis in Algeria and France. She worked as a consultant at national and international level (ECWA, ECA, FNAUP, World Bank, League of Arab States). Currently, she is the Head of Research at the Center of Applied Economics for Development. She is also an invited researcher at the INED, France. She authored several books and scientific articles in collective books and reviews on economics, health, development and environment.

Ms. Boshra Salem

Professor

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Dr. Salem is Chair of the Department of Environmental Sciences at the Faculty of Science, University of Alexandria. She received her PhD from the University of Alexandria jointly with Imperial College, University of London, on land use/land cover changes in arid lands using remote sensing. She spent time as a Post Doctor at the University of London working on Geographic Information Systems Applications, Environmental digital databases and at the University of Maryland, USA (1996) working on Electronic Environmental databases.

Her major field of interest is Remote Sensing and GIS application on arid environments (Land degradation and desertification, land use/cover change detection.); Protected areas and Biosphere Reserves; Modeling of crop production in desert ecosystems; Strategic Environment Assessments and EIA; Electronic Databases and networking; Alternative energy sources (solar).

Dr. Salem is an active member of many international Committees, which includes the British Ecological Society (BES); Joint Jury of the UNESCO Science Prize for development and Javed Husain Prize for Young Scientists. She is National Coordinator of "Ground Water and Human Security Project, United Nations University, Bonn and President of "Ecosystems and Human Development Association (EHDA)". She has won many international Prizes for her work. In 2013 Dr. Boshra Salem inducted into U.S. Department of State's Women in Science Hall of Fame.

Ms. Mervat El-Hoz

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Ms. Mervat El-Hoz is an Associate Professor of the University of Balamand. She has founded and leads the M.S. Degree Program in Environmental Engineering.

Ms. El-Hoz is also an Advisory Board Member of Journal of Environmental Nanotechnology; member of the Editorial Review Committee, "The Journal of Solid Waste Technology and Management", U.S.A; Member of Scientific Committees, Philadelphia, U.S.A of the International Conference on "Solid Waste Technology and Management"; Member of Scientific Committees, the International Conference on Water Resources in Mediterranean Basin (WATMED). As an Advisory Expert, she is involved in the project on Managing the Environmental Sustainability of Ports for a durable development (MESP) (Italy, Greece, Lebanon, and Jordan, project funded by European Union. Cross-Border Cooperation within the European Neighbourhood and Partnership

Instrument (ENPI) Mediterranean Sea Basin Joint Operational Programme (MESAP), 2012 – 2014).

Mr. George Georghiou

Permanent Secretary
Planning Bureau
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Mr. Georghiou holds a B.Sc degree in Economics & Statistics and an M. Sc degree in Operational Research, both from the University of Southampton, U.K. He has been with the Planning Bureau for basically all his professional career (since 1983), attaining the post of Permanent Secretary in March 2010. Mr. Georghiou has, throughout his career, worked from different posts in the Planning Bureau and has a varied experience in areas like macro-economic policy, regional development, environment, agriculture and fisheries, external relations and EU funds management. Mr. Georghiou holds the post of Secretary to the Council of Ministers from May 2009 to March 2013. Mr. Georghiou, in his capacity as Permanent Secretary of the Planning Bureau, was the administrative head of the Secretariat of the Cyprus Presidency of the Council of the EU. He is also Chairman of the Board of Directors of the Cyprus Research Foundation. Mr. Georghiou has been a member of the Board of Directors of Cyprus Airways, the national airline, as well as a number of other semi government organizations. He has represented Cyprus in various fora (both at technical and at institutional level) abroad, especially on EU affairs.

Mr. Mohammed-Saïd KARROUK

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Mr. Karrouk's expertise includes climate dynamics, teleconnections, prediction of Climate in Morocco and Western Mediterranean, climatic environment, mechanisms of climate change, dynamic interactions earth ocean atmosphere, impacts of climate change in Morocco and Western Mediterranean, atmospheric processes of desertification in Morocco and Western Mediterranean.

He has won many international Prizes for his work. The most recent ones are American Order of Merit 2011 and The Albert Einstein Award of Excellence 2011 by American Biographical Institute Raleigh, N.C., USA.

Currently, Prof. Karrouk coordinates the Research Team on Dynamics of Global Change and Sustainable Development (University Hassan II, Casablanca). He is Founding Member and the President, Executive Director of the National Committee of the International Geosphere-Biosphere Programme (IGBP-ICSU) and the International Human Dimensions Programme of Global Environmental Change (IHDP-CIUS/ISSC/UNU). He is also a Member of the Intergovernmental Panel on Climate Change (IPCC/WMO-PNUE/UN), Nobel Prize 2007, Geneva.

Ms. Ulla Engelmann

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Since 2010 Ulla Engelmann is Head of the Interinstitutional and Stakeholder Relations Unit of the European Commission's Joint Research Centre (JRC) in Brussels, being responsible for above relations including Member States, Associated Countries and European Neighbourhood Policy countries as well as industry.

Ulla Engelmann studied chemistry at the University of Karlsruhe, Germany and completed a PhD in analytical and radiochemistry at the National Research Centre in Karlsruhe in 1992. She started working at the JRC in Ispra, Italy in 1993, the first years in fusion research and from 1997 onwards she managed the public relations team. In 2004 she became JRC Head of the Internal and External communications Unit, based in Ispra and Brussels, responsible for

strategic communication for all JRC sites.

JRC is the European Commission's in-house science service and the only DG executing direct research, providing science advice to EU policy in a wide range of areas, including research on understanding the complex interactions between human activity and the physical environment, and how to manage strategic resources (water, land, forests, food, minerals, etc.) in a more sustainable manner. The JRC is supporting the EU policies with research dedicated to the assessment of the evolution and drivers of climate change.

Mr. Dan Yakir

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Research area of Mr. Dan Yakir includes biogeochemistry; terrestrial carbon cycle; eco-physiology; stable isotopes in water, CO₂, O₂; eddy flux measurements of carbon, water vapor, energy. Current research focuses on biosphere-atmosphere interactions in the semi-arid region. He was a member of the Science Committee of IGBP from 2008-2011. From 2012, he is a member iLEAPS Scientific Steering Committee. He has published ~120 peer reviewed papers mainly in biogeosciences, ecophysiology and stable isotope research.

Ms. Neda Farahbakhshazad

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Ms. Neda Farahbakhshazad holds B.Sc. and M.Sc. in Environmental Engineering, PhD in Applied Environmental Sciences Expertise. She has 15 years of academic research in the areas of water and wastewater treatment, ecological water treatment technologies, constructed wetlands, nitrogen biogeochemistry, agricultural sustainability, and climate change. Since 2009 working with the research collaboration within the Swedish International Development cooperation, first at the Swedish International Development Agency, Sida and currently with a Sida position at the Swedish Secretariat for Environmental Earth System Sciences. Main responsibilities include strengthening research and research capacity in developing countries through strengthening networks between Swedish scientists and scientists from developing countries e.g. scientists in regional networks of ICSU; and through strengthening collaboration among donors and funders of research and development; and also among donors and the global environmental change (GEC) researchers.

Mr. Adib Ali Saad

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Mr. Adib Ali Saad is Professor in Fisheries biology and Aquatic Environment. He is the Director of Scientific research and postgraduate studies at and the Director of Marine sciences laboratory and Aquatic Environment, Faculty of Agriculture, Tishreen University. Since 1993 until present, he is President of Syrian Society for Aquatic Environment protection (SSAEP). He holds PhD in marine biology and fisheries sciences. Research areas include marine biology, aquatic environment, fisheries sciences, and biodiversity.

Mr. Mahmoud Ismail

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Since 2005, Mr. Mahmoud Ismail is the Director of National Water Council unit/Gaza at Palestinian Water Authority. Since 2011, he coordinates desalination projects in Gaza/PWA. He holds MSc. in Environmental Engineering & Sustainable Infra Structure from KTH in Stockholm and BSc. in civil engineering, Egypt.

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Mr. Soroush Modabberi is the President of the Geological Society of Iran, he is also Vice-president of Iranian Society of Environmental Mutagens (IR-EMS) and a member of Persian Academy of Language and Literature and of National committee of Geoscience, UNESCO. His research interests include Environmental Geochemistry of Trace Elements and Medical Geology.

Mr. Sedigheh Torabi
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Mr. Sedigheh Torabi has about 20 years of research experience and applied projects in various water resources planning and management, among which designing and supervising construction of various hydraulic structures; developing the Master Plan of Water Resources Planning and Management For Tehran Metropolitan Area; and modeling water allocation system in 30 watersheds of Iran.

Ms. Lina Suleiman
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Dr. Lina Suleiman has over twenty five years of academic and professional experience related to scientific and applied research in both the academic and the industrial sector. She has been working for both public and private authorities in a local context– both developing and European contexts, as well as with international organisations. Her current work mainly focuses on institutional dimensions and dynamics for decision-making analysis for capacity building.

In addition to university teaching tasks, she has worked on water governance issues in developing context, particularly on decision analysis of different interest groups— how and on which basis different actors in water governance (but also in governance processes in general) interact and make their decision in a particular institutional setting. A considerable part of her research activities is focused on the role of civil society as actor in development, democracy and governances processes. Current research interests and ongoing projects: Participatory planning and democratic governance in urban areas; Sustainable urban water design (in Europe); Urban rainwater harvesting as a socio-technical infra system in transition to sustainable urban water (in Developing Countries).

**Mr. Dimosthenis
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Mr. Manfred Lange
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Manfred A. Lange received a PhD in Geophysics from the University of Kiel, Germany in 1980. After a two-year post-doctoral fellowship at the Californian Institute of Technology in Pasadena, California, USA, he held a position as staff scientist/glaciologist at the Alfred-Wegener-Institute for Polar and Marine Research (AWI) in Bremerhaven, Germany. From 1992 to 1995, he was the Director of the Arctic Centre at the University of Lapland in Rovaniemi, Finland. Between 1995 and 2007, Manfred Lange was appointed full Professor in Geophysics (a position he still holds) and since 1998, he was also the Director of the at the University of Münster's Center for Environmental Research

(Germany). Manfred Lange has been and continues to be coordinator and participant of numerous projects of the European Union and the European Science Foundation and has coordinated various nationally funded research projects in Germany, Finland and Cyprus. In 2003, he spent six months as a guest scientist at the Foundation for Research and Technology, Hellas in Heraklion, Greece. He is the founding Director of the Energy, Environment and Water Research Center of the Cyprus Institute in Nicosia, Cyprus, since September 2007 and as of April 2013, he is the acting Vice President for Research of the Cyprus Institute. His main research interests include the assessment of climate change impacts, renewable energy sources and energy- and water use efficiency in the built environment.

Ms. Magda SHOUIEB

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Ms. Magda SHOUIEB is General Director of the Environmental Economics Department of Egyptian Environmental Affairs Agency. Her PhD in Environmental Economics focuses on environmental legislations and policy. She has been involved in many environmental projects and initiatives focusing on green economy, environmental economics, environmental management, and environmental accounting. Her current responsibilities include planning for environmental assessment for environmental degradation from the economic point of view.

Mr. Mohamed M. El-Faham

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Mohamed El-Faham is Scientific Consultant and Director of the Center for Special Studies and Programs (CSSP), Bibliotheca Alexandrina, Egypt. He is also a Professor at the Department of Electrical and Computer Control Engineering, Faculty of Engineering and Technology, Arab Academy for Science and Technology and Maritime Transport in Alexandria.

He received his B.Sc. in Electrical Engineering from the University of Alexandria and his MSc. and DSc. in Electrical Engineering from the George Washington University, Washington D.C., USA. He is a senior member of the Institute of Electrical and Electronic Engineers (IEEE). El-Faham is author/co-author of a number of publications.

As the Director of the CSSP, he monitors supporting young researchers through a number of programs through the BA/CSSP Research Grants program for post-doctoral Egyptian researchers, and the Micro Research Grants for Egyptian innovative children. In addition to a series of events he initiates, aiming at researchers capacity building in the fields of science, technology and education. Another important role is linking and networking Arab scientist and researchers through the hosted Arab Regional Office of the Academy of Sciences for the Developing World (TWAS).

Mr. Carthage Smith

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Carthage Smith took up a new post of Deputy Executive Director of the International Council for Science (ICSU) in 2001 working on overall policy and strategy development and implementation. Prior to moving to ICSU, he was head of the International Section at the Medical Research Council in the UK. Originally trained as a biochemist, his PhD and research background are in Neuroscience.

Mr. Mohamed Abdel Raouf

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Dr. Mohammed Abdel Raouf has a doctorate in Environmental Sciences (Environmental Economics) from the Ain-Shams University in Egypt and has undergone advanced training in Environmental Management (Material Flow Accounting) at the Augsburg University, Germany. Dr. Raouf is currently the global focal Point of Science and Technology Major group of UNEP and a Research Fellow, Environment Research Program, based in Jeddah/Cairo and a part time lecturer of Environmental Accounting and Economics. Dr. Raouf was the lead author for GEO-5 Report Environmental governance section of UNEP-West Asia chapter. He authored three books entitled: "Economic Instruments and Environmental Policy in the GCC Countries"; "Green Policy- Case of UAE"; "Environment in the Age of Revolution".

Mr. Costas N Papanicolas

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Prof. Costas N. Papanicolas is a Nuclear Physicist with over 35 years of experience as a researcher, an educator and a scientific administrator. He received his B.Sc. in Physics and Ph.D. in Nuclear Physics from the Massachusetts Institute of Technology (MIT) in the USA. His research interests lie on the fields of Hadronic and Medical Physics, and in Solar Energy and Energy Policy.

Prof. Papanicolas has held positions at the French Atomic Energy Commission (Saclay, France) and has served as Professor of Physics at the University of Illinois (Urbana-Champaign, USA), and at the University of Athens (Greece). He has served as the Founding Director of the Institute of Accelerating Systems and Applications (IASA) in Greece and as visiting Professor at MIT. Since 2008 he holds the position of Founding President of The Cyprus Institute (CyI) and CEO of the Cyprus Research and Educational Foundation. He is a Fellow of the American Physical Society and a member of the Academia Europea.

He served on many boards and committees. He is currently the Chair of the Cyprus-CERN Committee, the Vice-Chair of the Cyprus Scientific Council, the senior advisory scientific body to the Cyprus Government, and member of the National Research Council of Cyprus.

Ms. Khadija Darmame

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Dr. Khadija Darmame is a Vice-President of Arab World Association of Young Scientists since April 2012 as well as associate researcher of the French Institute of Near East in Jordan. She is a social-geographer that combines the usually separated specialist fields of natural, human and social development into an innovative combined research approach. She started her career in 1999 in France as MSc researcher on public policies of water management in Morocco. Between 2001 and 2006, she conducted numerous fieldwork exercises in the Middle East and simultaneously completed her PhD research about water privatisation. Her scholarly work continued to focus on sustainable water access and management in the MENA region. She focuses specifically on the difficulty of implementing diverse and complex approaches for local development in semi-arid environments and tackles water scarcity and alleviate poverty. Between 2005 and 2006 she was a senior researcher in several monitoring missions for the European Commission with the specific objective to assess the various available Local Development Programs in Jordan. In 2007, she has been awarded a three year Post-doc fellowship at the University of Reading (UK) in the leading Water, Life and Civilisation in Jordan

Valley project. She led the research investigation part of the Development Studies team responsible for the public policy water management. She studied the implications of water (in-) accessibility in poor urban areas and how participatory management of natural resources in rural localities are intertwined within these larger settings. Dr. Darmame conducted ethnographic research on water governance and water economics in the Arab countries. She developed creative ideas with regards to capacity-building and the corporation of vulnerability whilst dealing with environmental changes threatening the livelihoods of the poor. She publishes and has in addition contributed to numerous collective publications tackling the issue of water and socio-economic development (see for an extensive list: <http://independent.academia.edu/DrkhadijaDarmame>). In 2011 she was invited by West Asia - North Africa (WANA) forum of Jordan to share expertise water climate refugees. Soon after she acted as a socio-economic water specialist and coordinator in the core research of to the UNDP report entitled "Water Arab Report".

As result of her multi-disciplinary academic background and rich experience in terms of policy implementation in the field and broad network of contacts on the ground she started working as a public relations consultant. She offers up-to-date knowledge and advice and writes reports on related to transnational environmental networks in the MENA region. Her consultancy work therefore focuses on match-making between different organizations of development co-operation and academic institutions in the field of socio-empirical research linked to human development.

Ms. Alia Gana

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Alia GANA is research professor at CNRS (National Center of Scientific Research, France) and is currently based at the Research Institute of Contemporary Maghreb (IRMC) in Tunis. Holding a PhD in rural and environmental sociology, she has done extensive research on issues such as social systems of farm production, agricultural policies, rural and farm livelihoods, governance of natural resources and climate change adaptation. Her empirical work covers a variety of farm communities and rural spaces in the Mediterranean region (France, Spain, Morocco, Tunisia, Algeria and Egypt) and is carried out within the framework of international and multidisciplinary teams (social sciences and biophysical sciences). She is actively involved in several international research networks devoted to the analysis of current transformation of agri-food systems.

Ms. Asma Ali Abahussain

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Dr. Asma Ali Abahussain is Director of Desert and Arid Zones Sciences Program and a Coordinator of the "Environmental Science and Natural Resources" Specialization in the College of Graduate Studies, Arabian Gulf University, Kingdom of Bahrain. Dr. Abahussain served as a consultant and a resource person for Division of Early Warning & Assessment -West Asia UNEP/ROWA in the field of Integrated Environmental Assessment, a trainer in more than 25 IEA of UNEP/DEWA/ROWA Workshops Especially on Environmental Indicators, Policies analysis. She joint GEO "Global Environment Outlook" since 1997 till now, she was selected by UNEP to be a member EOE workgroup two, and of two GEO-5 global working groups 2012 namely: GEO-5 "Data and Indicators Working Group" and "Science and Policy Advisory Board". And finally a

member of SIDS Foresight Expert Panel in 2013 Locally in Bahrain, she was a member of many high national committees, such as the environment subcommittee of the "Bahrain National Planning Development Strategies 2030"; Head of "Women and Environment" Committee in the National Strategy for Bahraini women's; Member of the "Studies and Research Committee" in Supreme Council for Women; Head of Agriculture theme and Member of Air Theme in the "Bahrain Environmental Strategy", editor for the first Bahrain "State Of Environment Report 2009", head of the "Studies and Research" Committee in the National Combating Desertification Strategy and other related activities.

Ms. Katsia Paulavets

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Katsia Paulavets coordinates a project at ICSU that promotes the involvement of developing countries in defining and implementing the research agenda for Global Sustainability. Her background is in environmental management, policy and engineering, with over 5 years experience in international organisations and empirical research institutions working with developing and transition countries. Previously she coordinated capacity building training for sustainable energy policies and technologies at Lund University and worked as a consultant on environmental emergency preparedness at UNEP.

Mat Santamouris is Professor of Energy Physics at the University of Athens and visiting professor at the Cyprus Institute, Metropolitan University of London, Tokyo Polytechnic University, Bolzano University and National University of Singapore.

Director of the Laboratory of Building Energy Research, at the University of Athens.

Editor in Chief of the Journal of Advances Building Energy Research, Editor of the Journal Energy ad Buildings, Associate Editor of the Solar Energy Journal and Member of the Editorial Board of the International Journal of Solar Energy, Journal of Buildings and Environment, Journal of Sustainable Energy, Journal of Low Carbon Technologies, Journal of Open Construction and Building Technology, Sustainable Cities and Society and of the Journal of Ventilation

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Editor of the Series of Book on Buildings, Energy and Solar Technologies published by Earthscan Science Publishers in London.

Editor and author of 12 international books on topics related to heat island, solar energy and energy conservation in buildings published by Earthscan in London.

Vice Chairman of the Air Infiltration and Ventilation Center, and Vice Chairman of the World Society for Sustainable Energy Technologies.

Guest editor of ten special issues of various scientific journals.

Coordinator of many international research programs and author of almost 210 scientific papers published in peer review international scientific journals.

Ms. Silva Kerkezian

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Silva Kerkezian has a MSc in Environmental Health from the Cyprus University of Technology in association with Harvard School of Public Health and a BSc in Public Health and Development Sciences from the University of Balamand, Lebanon. She has worked as a research assistant and administrative/dissemination coordinator at the Faculty of Health Sciences in the American University of Beirut. Currently, she is the Scientific Officer of the Climate Research Group of the Energy, Environment, and Water Research Center (EEWRC) at the Cyprus Institute (www.cyi.ac.cy). Her main research interests include regional development policies and sustainability.

Ms. Heba Sabry Salama

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Dr. Salama received her PhD in 2010 from the Faculty of Agricultural and Nutritional Sciences at the Christian-Albrecht University in Kiel, Germany. Her PhD thesis entitled "Process-oriented evaluation of yield performance and nutritive value of perennial ryegrass (Lolium perenne L.) genotypes" dealt with the deep analyses of the yield-building processes and forage quality dynamics (Protein and carbohydrate metabolism) of perennial ryegrass. The main aim was to provide the practical plant breeding programs with new selection's strategies based on current knowledge, which would participate in enhancing the breeding progress.

Currently, she is employed as Assistant Professor of Crop Science at the Faculty of Agriculture, Alexandria University in Egypt. Her major field of interest is "Improvement of Forage Yield and Quality for Food Security in Egypt". Through carrying out original scientific research, she aims at providing solutions to narrowing the food security gap in Egypt through enhancing the livestock production.

Dr. Salama is an active member in the German Society of Crop Science and the International Society of Sustainable Development and Agriculture. In recognition of her outstanding scientific activities in her field of specialization, Dr. Salama has won the Ernst-Klapp-Award from the German Society of Crop Science in 2010, and the L'OREAL UNESCO "For Women in Science" Pan-Arab Regional Award in 2013.

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Since 2002 Mr. Abdurrahman Saad Eswayah worked a research assistant in the Environmental Protection and Waste Water Treatment Research Group at the Biotechnology Research Centre. Since 2007 he was Lab supervisor in Atomic Absorption Laboratory. In 2009, he became Head of the Research Group. The research areas are associated with heavy elements removal from contaminated environments focusing on bioremediation, as well as the degradation of organic pollutants in environment.

Ms. Hala Yousry

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Hala Ahmed Yousry is the Head of Rural Sociology Department, Socio-Economic Division at the Desert Research Center, Ministry of Agriculture and Land Reclamation. She has a PhD in Rural Sociology. She is the country focal point, North Africa representative, and board member for the African Forum for Agriculture Advisory Service (AFAAS), which is a part of the Global Forum of Rural Advisory Service (GFRAS) since 2010.

She is a member in the national scientific committee to combat desertification in Egypt and a member in the Egyptian Forum for Sustainable Development. For more than ten years she is a member of the National Council for Women and is a part of the Network of Women Ministers and Leaders for the Environment. She has an experience with national, regional and international organizations: UNIFEM, UN Women, ICARDA, Arab League, FAO, UNESCO, UNEP, AARDO, IUCN, USAID, CEDARE, etc.

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Rana El Hajj has a first degree in agriculture engineering and MSc in Environmental studies/ Ecosystem Management from the American University of Beirut. She has experience working with non-governmental organizations on: community -based management of forests ecosystems, forest fires, biodiversity conservation, local environmental governance, community awareness and capacity building, environmental education, eco-tourism, sustainable development projects and Biosphere- Reserve management. Currently, she is involved in different research themes under the Climate Change and Environment in the Arab World program at IFI. These include adaptation and mitigation to climate change (with special focus on sustainable transportation and agriculture) as well as international negotiations on climate change and sustainable development.
