

CONTRIBUTORS

DR. IBRAHIM ABDEL GELIL

Academic Chair of Sheikh Zayed Bin Sultan Al Nahayan, and Director of the Environmental Management Program at the Arabian Gulf University in Bahrain. He was the CEO of the Egyptian Environmental Affairs Agency (EEAA), and the chairman of the Egyptian Organization for Energy Planning (OEP). He authored and co-authored around 70 publications on energy and environment.

DR. SI BENNASSEUR ALAOUI

Field crop specialist, auditor in organic farming, and Professor of Agronomy at IAV Hassan II in Rabat, Morocco. Besides teaching, his research interests include integrated rural development, organic farming, and mountainous farming. He is President of the Moroccan Society of Agronomy, and author of four booklets on crop management and several scientific and extension papers.

MOHAMMAD AL-ASAD

An architect and architectural historian, and the founding director of the Center for the Study of the Built Environment (CSBE) in Amman. He has taught at the Massachusetts Institute of Technology, the University of Jordan, the University of Illinois at Urbana – Champaign, and Princeton University. In addition, he has held post-doctoral research positions at Harvard University and the Institute for Advanced Study in Princeton, New Jersey.

DR. HEBA AZIZ

Head of sustainable tourism and regional development department at the German University of technology in Oman; and a tourism researcher and consultant. She has occupied various positions in the government, academic and private sector. Dr. Aziz was advisor to the Ministry of tourism in Oman and the executive director for the tourism sector at the ministry of Culture, Kingdom of Bahrain. She was also the director of research and innovation at the Jumeirah group, Dubai.

DR. FARID B. CHAABAN

Professor at the Faculty of Engineering and Architecture at the American University of Beirut (AUB). He was the Dean of the College of Engineering at Dhofar University, Oman, between 2007 and 2010. He is the author/co-author of a European patent and over 60 publications in international journals and conferences. He has conducted numerous projects with local and international organizations such as UNEP, UNDP, METAP, AFED, and ESCWA on issues related, amongst others, to the energy sector sustainability.

DR. LEILA DAGHER

Professor of Economics at the American University of Beirut. Her research covers

a wide range of topics in energy economics, such as forecasting energy demand, mitigation and diversification in the power sector, energy consumption and economic development, and energy efficiency. She has published in academic journals and presented at academic and professional conferences.

TAREQ EMTAIRAH

A senior researcher at the International Institute for Industrial Environmental Economics (IIIEE) at Lund University, Sweden, where he carries out applied research and training on resource efficiency, cleaner production, and industrial environmental management. He was the developer and coordinator of Wafeer, a public-private initiative for efficient water management in the industrial estate of Jeddah, Saudi Arabia. He played a lead role in the development and implementation of the first water and energy efficient model building in Aqaba, Jordan.

DR. WALID FAYAD

Partner with Booz & Company and a member of the firm's Energy, Chemicals, and Utilities practice. He has over 12 years of consulting experience in strategy, privatization, restructuring, and business building in the energy, utilities, and telecommunications sectors. He currently leads Booz & Company's activities in the Middle East in the utilities, renewable energy, and climate change areas.

DR. AHMAD GABER

President of Chemonics Egypt, one of Egypt's premier environmental engineering and management consulting firms, and Professor of Chemical Engineering at Cairo University. A specialist on water, sanitation and environmental management, he is author or co-author of various publications and conference papers.

DR. ISAM KAYSI

Professor and ex-Chairperson of the Civil and Environmental Engineering Department and Director of the Transport Research Unit at the American University of Beirut (AUB). He has more than 80 publications in international journals and conference proceedings. Dr. Kaysi is on the Editorial Board of a number of prestigious international journals and is a transport specialist with over 25 years of professional experience.

DR. MUSA NIMAH

Professor of Irrigation at the Faculty of Agriculture and Food Sciences at the American University of Beirut (AUB). His research focuses on water resources management and water saving and conservation, especially in the agricultural water use domain. A major goal of these studies is to develop methods for water conservation and sustainable irrigation.

MAHMOUD RIAD

A Principal Consultant for Waste Management Studies, he has since 1984 participated in solid waste management projects in over 39 cities in 23 countries around the world. These projects covered aspects of surveys, planning, feasibility studies, designs, operation monitoring, and human resources development and construction supervision. He is Egyptian born, naturalized Japanese.

DR. ABDUL-KARIM SADIK

Economic Adviser at Kuwait Fund for Arab Economic Development for over 25 years, including eight years as Executive Director for the State of Kuwait at the International Fund for Agricultural Development (IFAD), and Adviser to Ex-

ecutive Director at the World Bank. He authored and co-authored a number of published papers on various development issues, including on water economics, water problems and water security in Arab countries.

TAREK EL SAYED

A Principal at Booz & Company and a member of the firm's Energy, Chemicals and Utilities practice. He has over ten years of consulting experience in the US, Europe and the Middle East, and focuses on the topics of Climate Change and Renewable Energy. He also leads strategy and organization projects for utilities and large infrastructure developments.

DR. RAMI EL-SHERBINY

Professor at Cairo University and technical advisor to the Egyptian Ministry of State for Environmental Affairs, with experience in geoenvironmental engineering and solid waste management. He has participated in several studies related to institutional, operational, and economic aspects of solid waste management in Egypt, and the design and review for numerous solid waste landfills in the United States and Egypt, along with landfill construction and closure projects.

DR. EDITH SZIVAS

An expert in international tourism development, she is Director of Research and Consultancy within the Jumeirah Group at the Emirates Academy of Hospitality Management in Dubai. Prior to this she was based at the University of Surrey (UK) where she has worked for 15 years. She has conducted numerous tourism advisory projects for international organizations

EDITORS

HUSSEIN ABAZA

Chief of UNEP's Economics and Trade Branch in Geneva., before he retired in 2009. He developed various programmes on Environment and Economics, and has many publications on environmental and integrated assessment, the interface between trade and environment, valuation of environmental and natural resources, and the use of economic instruments for environmental management.

NAJIB SAAB

Publisher and Editor-in-Chief of Al-Bia Wal-Tanmia (Environment & Development), the leading Arabic magazine on sustainable development, and Secretary General of the Arab Forum for Environment & Development (AFED). Architect, university lecturer and writer, he is a 2003 laureate of the United Nations Environment Programme's Global 500 Award and the 2011 laureate of Sheikh Zayed International Prize for Environment. He co-edited AFED Annual Reports for 2008, 2009 and 2010.

BASHAR M. ZEITON

Program manager at the Arab Forum for Environment and Development (AFED). Residing in Boston, USA where he graduated from MIT and Harvard's Kennedy School of Government, he was manager of corporate environmental partnership programs where he helped Fortune 500 companies redesign operations to increase efficiency and reduce air pollution emissions.

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PARTICIPANTS IN CONSULTATION MEETINGS DURING THE PREPARATION OF AFED REPORT, IN: CAIRO (CEDARE, 14 APRIL, 2011), BEIRUT (AUB, 18 APRIL, 2011), AMMAN (UNIVERSITY OF PETRA, 20 APRIL, 2011)

(In alphabetical order)

Abdel Fattah Abdel Rahman (AUB), Mahmoud Abou Zeid (Arab Water Council), Hussein Abaza (AFED), Ismail Abdel Gelil (Egyptian Deserts Gene Bank), Ibrahim Abdel Gelil (Arab Gulf University), Hala Abou-Ali (Cairo University), Maher Abu Jaafar (Petra University), Khaled AbuZeid (CEDARE), Suzanne Afanah (Former Minister of Tourism, Jordan), Sameh Afifi (WGP-AS), Nizar Al Adarbeh (Jordan Inbound Tour Operators Association JITOA), Safa' Al Jayoussi (Jordan Inbound Tour Operators Association JITOA), Ali Al Khawaladeh (Ministry of Political Development-Jordan), Bennesseur Alaoui (Hassan II University), Mohammad Al-Asad (CSBE), Joseph Al-Assad (USEK), Ziad Al-Duaij (IEG Integrated Energy Group), Hossam Allam (CEDARE), Wael Al-Masri (Wael Al-Masri Architects and Planners), Nader Al-Nakib (G, Green Building Consultants), Osama Alnouri (Syrian Society for the Conservation of Wildlife), Ruba Al-Zubi (Development & Free Zones commission, Jordan), Heba Aziz (German University of Technology), Adnan Badran (Petra University), Farid Chaaban (AUB), Leila Dagher (AUB), Mona Dahabiyeh (Petra University), Rami Daher (TURATH, Architecture & Urban Design Consultants), Ahmed Dorghamy (CEDARE), Mutasem El Fadel (AUB), Tarek El-Sayed (Booz & Company), Rami El-Sherbiny (Cairo University), Tareq Emtairah (Lund University), Ahmad Gaber (Chemonics Egypt), Nesreen Ghaddar (AUB), Khaled Ghanem (Azhar University), Wassim Habchi (LAU), Hassan Harajli (UNDP - CEDRO Project), Fuad Hashwa (LAU), Raji Hattar (Aramex), Bassam Hayek (Hayecon, Beirut), Mahmoud Hindi (AUB), Mayada Fahmi Hussein (Petra University), Khaled Irani (President RSCN, former minister of energy and environment), Maan Kaadan (Syrian Society for the Conservation of Wildlife), Hounada Sadat Kahale (Syrian Society for the Conservation of Wildlife), Isam Kaysi (AUB), Yehya Khaled (Royal Society for the Conservation of Nature, Jordan), Mazen Khoury (IEG Integrated Energy Group), Hammou Laamrani (IDRC), Fadl Moukalled (AUB), Marwan Muwalla (Petra University), Nadia Makram Obeid (CEDARE), Hassan Radoine (University of Sharjah), Isabella Ruble (AUB), Najib Saab (AFED), Abdul Karim Sadik (Kuwait Fund for Arab Economic Development), Edith Szivas (University of Surrey), Jina Talj (Hariri Foundation for Human Sustainable Development), Mostafa Kamal Tolba (ICED, AFED), Florentine Visser (GIZ International Services, Cairo), Bateer Wardam (Ministry of Environment-Jordan), Lara Zankoul (Zawya), Barbar Zeghondy (USEK), Bashar Zeitoun (AFED).

Acronyms and Abbreviations

AAID	Arab Authority for Agricultural Investment and Development
AC	Air-conditioning
AC	Alternating current
ABSP	Agricultural Biotechnology Support Programme
ACSAD	Arabic Centre for the Studies of Arid Zones and Drylands
ADA	Arriyadh Development Authority (Riyadh)
ADFD	Abu Dhabi Fund for Development
ADR	Alternative Disputes Resolution
ADWEA	Abu Dhabi Water & Electricity Authority
AED	United Arab Emirates Dirham
AEPC	African Environmental Protection Commission
AEPS	Arctic Environmental Protection Strategy
AEWA	African-Eurasian Waterbird Agreement
AFED	Arab Forum for Environment and Development
AFESD	Arab Fund for Economic and Social Development
AG	Associated gas
AGERI	Agricultural Genetic Engineering Institute
AGU	Arabian Gulf University
AHD	Aswan High Dam
AHDR	Arab Human Development Report
AIA	Advance Informed Agreement
AIDS	Acquired Immunodeficiency Syndrome
AIECGC	Arab Investment and Export Credit Guarantee Corporation
AKTC	Aga Khan Trust for Culture
Al	Aluminum
ALBA	Aluminium Bahrain
ALECSO	Arab League Educational, Cultural, and Scientific Organization
ALOA	Association for Lebanese Organic Agriculture
AMCEN	African Ministerial Conference on the Environment
AMF	Arab Monetary Fund
AMU	Arab Maghreb Union
ANME	National Agency for Energy Management
AoA	Agreement on Agriculture (WTO Uruguay Round)
AOAD	Arab Organization for Agricultural Development
API	Arab Planning Institute
AREE	Aqaba Residence Energy Efficiency
ASABE	American Society of Agricultural and Biological Engineers
ASR	Aquifer storage and recovery
AU	African Union
AUB	American University of Beirut
AUM	American University of Madaba (Jordan)

AWA	Arab Water Academy
AWC	Arab Water Council
AWCUA	Arab Water Countries Utilities Association
BADEA	Arab Bank for Economic Development in Africa
BAU	Business-as-usual
BCH	Biosafety Clearing House
BCWUA	Branch Canal Water User Association
BDL	Central Bank of Lebanon
BGR	German Geological Survey
BMP	Best Management Practices
BMZ	German Federal Ministry of Economic Cooperation and Development
BOD	Biological Oxygen Demand
boe	Barrels of oil equivalent
BREEAM	Building Research Establishment Environmental Assessment Method
BRS	ARZ Building Rating System
BRO	Brackish Water Reverse Osmosis
BU	Boston University
C&D	Construction and demolition
C&I	Commercial and industrial
CA	Conservation agriculture
CAB	Centre for Agriculture and Biosciences
CAIP	Cairo Air Improvement Project
CAN	Competent National Authority
CAMP	Coastal Area Management Project
CAMRE	Council of Arab Ministers Responsible for the Environment
CBC	Community-Based Conservation
CBD	Convention on Biological Diversity
CBO	Community-Based Organization
CBSE	Center for the Study of the Built Environment (Jordan)
CCS	Carbon Capture and Storage
CD	Compact disk
CDM	Clean Development Mechanism
CDRs	Certified Emissions Reductions
CEDRO	Country Energy Efficiency and Renewable Energy Demonstration Project for the Recovery of Lebanon
CEIT	Countries with Economies in Transition
CEDARE	Centre for Environment and Development for the Arab Region and Europe
CEP	Coefficient of performance
CERES	Coalition for Environmentally Responsible Economics
CFA	Cooperative Framework Agreement
CFC	Chloro-Fluoro-Carbon
CFL	Compact Fluorescent Lamp
CGIAR	Consultative Group on International Agricultural Research
CHN	Centre Hospitalier du Nord
CH ₄	Methane
CHP	Combined Heat and Power
CILSS	Permanent Interstate Committee for Drought Control in the Sahel
CIRAD	Agricultural Research for Development
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
CIWM	Chartered Institution of Wastes Management
CLO	Compost-like-output
CLRTAP	Convention on Long-Range Transboundary Air Pollution

CIHEAM	International Centre for Advanced Mediterranean Agronomic Studies
CMI	Community Marketing, Inc.
CMS	Convention on the Conservation of Migratory Species of Wild Animals
CNA	Competent National Authority
CNCA	Public Agricultural Bank
CNG	Compressed Natural Gas
CO	Carbon monoxide
CO ₂	Carbon Dioxide
CO ₂ eq	CO ₂ -equivalents
COD	Chemical Oxygen Demand
COP	Conference of the Parties
CPB	Cartagena Protocol on Biosafety
CPC	Calcined petroleum coke
CRS	Center for Remote Sensing
CSD	Commission on Sustainable Development
CSP	Concentrated Solar Power
CSR	Corporate social responsibility
CTAB	Technical Center of Organic Agriculture
cum	Cubic meters
CZIMP	Coastal Zone Integrated Management Plan
DALYs	Disability-Adjusted Life Years
DBO	Design-Build-Operate
DC	Direct current
DED	Dubai Economic Department
DEFRA	Department for Environment, Food and Rural Affairs (UK)
DEM	Digital Elevation Model
DESA	Department of Economic and Social Affairs
DEWA	Dubai Electricity and Water Authority
DFID	UK Department for International Development
DHW	Domestic Hot Water
DII	DESERTEC Industrial Initiative
DMN	Moroccan National Meteorological Office
DNE	Daily News Egypt
DOE	United States Department of Energy
DSIRE	Database of State Incentives for Renewables & Efficiency
DTCM	Dubai Department for Tourism and Commerce Marketing
DTIE	UNEP Division of Technology, Industry, and Economics
DTO	Dublin Transportation Office
DUBAL	Dubai Aluminium Company Limited
E3G	Third Generation Environmentalism
EAD	Environment Agency Abu Dhabi
ECA	Economic Commission for Africa
ECE	Economic Commission for Europe
ED	Electrodialysis
EDF	Environmental Defense Fund
EDL	Electricité du Liban
EE	Energy efficiency
EEAA	Egyptian Environmental Affairs Agency
EGBC	Egyptian Green Building Council
EGPC	Egyptian General Petroleum Corporation
EGS	Environmental Goods and Services
EIA	Energy Information Administration

EIA	Environmental Impact Assessment
EITI	Extractive Industries Transparency Initiative
EMA	Europe, the Middle East, and Africa
EMAL	Emirates Aluminium Company Limited
EMAS	Eco-Management and Audit Scheme
EMS	Environmental Management System
ENPI	European Neighborhood and Partnership Instrument
ENSO	El Niño-Southern Oscillation
EOR	Enhanced oil recovery
EPA	US Environmental Protection Agency
EPD	European Patent Office
EPDRB	Environmental Program for the Danube River Basin
EPSA	Exploration and Production Sharing Agreement
EPI	Environment Performance Index
ESAUN	Department of Economic and Social Affairs
ESBM	Ecosystem-Based Management
ESCSWA	United Nations Economic and Social Commission for Western Asia
ESI	Environment Sustainability Index
ESMAP	World Bank Energy Sector Management Assistance Program
ETM	Enhanced Thematic Mapper
EU	European Union
EU ETS	European Union Emission Trading System
EVI	Environmental Vulnerability Index
EWS	Emirates Wildlife Society
EWRA	Egyptian Water Regulatory Agency
FACE	Free Air Carbon Enrichment
FAO	Food and Agriculture Organization of the United Nations
FDI	Foreign Direct Investment
FFEM	French Fund for Global Environment
FIBL	Research Institute of Organic Agriculture
FIFA	Fédération Internationale de Football Association
FIT	Feed-in-tariff
FOEME	Friends of the Earth Middle East
FTIAB	Packaging and Newspaper Collection Service (Sweden)
G7	Group of Seven: Canada, France, Germany, Italy, Japan, United Kingdom, United States
G8	Group of Eight: Canada, France, Germany, Italy, Japan, Russian Federation, United Kingdom, United States
GAPs	Good Agricultural Practices
GAS	Guarani Aquifer System
GATT	General Agreement on Tariffs and Trade
GERD	Gross Domestic Expenditure on Research and Development
GBC	Green Building Council
GBIF	Global Biodiversity Information Facility
GCC	Gulf Cooperation Council
GCM	General Circulation Model
GCOS	Global Climate Observing System
GDP	Gross Domestic Product
GE	General Electric
GECF	Gas Exporting Countries Forum
GEF	Global Environment Facility
GEMS	Global Environment Monitoring System
GEO	Global Environment Outlook
GFEI	Global Fuel Economy Initiative

GFU	Global Facilitation Unit for Underutilized Species
GHGs	Greenhouse Gases
GIPB	Global Partnership Initiative for Plant Breeding Capacity Building
GIS	Geographical Information Systems
GIWA	Global International Waters Assessment
GLASOD	Global Assessment of Soil Degradation
GLCA	Global Leadership for Climate Action
GM	Genetically Modified
GMEF	Global Ministerial Environment Forum
GMO	Genetically Modified Organism
GNI	Gross National Income
GNP	Gross National Product
GPC	Green petroleum coke
GPRS	Green Pyramid Rating System
GRI	Global Reporting Initiative
GRID	Global Resource Information Database
GSI	IISD Global Subsidies Initiative
GSLAS	General Secretariat of League of Arab States
GSR	Global Status Report
GTZ	German Technical Cooperation (Gesellschaft für Technische Zusamm)
GVC	Civil Volunteers' Group (Italy)
GW	Greywater
GWI	Global Water Intelligence
GWP	Global Water Partnership
ha	Hectares
HACCP	Hazardous Analysis and Critical Control Points
HDI	Human Development Index
HFCs	Hydrofluorocarbons
HIV	Human Immunodeficiency Virus
HNWI	High net worth individuals
HVAC	Heating, ventilation, and air-conditioning
I/M	Inspection and maintenance
IAASTD	International Assessment of Agricultural Knowledge Science and Technology for Development
IAS	Irrigation Advisory Service
IC	Irrigation Council
ICAM	Integrated Coastal Area Management
ICARDA	International Center for Agricultural Research in Dry Areas
ICBA	International Center for Biosaline Agriculture
ICC	International Chamber of Commerce
ICGEB	International Center for Genetic Engineering and Biotechnology
ICM	Integrated Coastal Management
ICPDR	International Commission for the Protection of the Danube River
IDA	International Desalination Association
IDB	Islamic Development Bank
ICT	Information and Communication Technology
ICZM	Integrated Coastal Zone Management
IDRC	International Development Research Center
IDSC	Information and Decision Support Center
IEADSM	International Energy Agency Demand-side Management
IEEE	Institute of Electrical and Electronic Engineers
IFOAM	International Federation of Organic Agriculture Movements

IFPRI	International Food Policy Research Institute
IEA	International Energy Agency
IFA	International Fertilizer Industry Association
IFAD	International Fund for Agricultural Development
IHP	International Hydrology Program
IIED	International Institute for Environment and Development
IIIEE	Lund University International Institute for Industrial Environmental Economics
IIIP	Integrated Irrigation Improvement Project
IIP	Irrigation Improvement Project
IISD	International Institute for Sustainable Development
ILO	International Labour Organization
IMC	Istituto Mediterraneo Di Certificazione
IMF	International Monetary Fund
IMO	International Maritime Organization
InWEnt	Capacity Building International-Germany
IPCC	Intergovernmental Panel on Climate Change
IPF	Intergovernmental Panel on Forests
IPM	Integrated Pest Management
IPP	Independent power producer
IPR	Intellectual Property Rights
IPTRID	International Program for Technology and Research in Irrigation and Drainage
IRENA	International Renewable Energy Agency
IRR	Internal rate of return
ISCC	Integrated solar combined cycle
ISESCO	Islamic Educational, Scientific, and Cultural Organization
ISWM	Integrated solid waste management
ISO	International Organization for Standardization
ISIC	UN International Standard Industrial Classification
ITC	Integrated tourism centers
ITC	International Trade Center
ITSAM	Integrated Transport System in the Arab Mashreq
IUCN	International Union for Conservation of Nature
IUCN	World Conservation Union (International Union for the Conservation of Nature and Natural Resources)
IWRB	International Waterfowl and Wetlands Research Bureau
IWRM	Integrated Water Resources Management
IWMI	International Water Management Institute
IWPP	Independent water and power producer
JBAW	Jordan Business Alliance on Water
JD	Jordanian Dinar
JI	Joint Implementation
JMWI	Jordan Ministry for Water and Irrigation
JVA	Jordan Valley Authority
KA-CARE	King Abdullah City for Atomic and Renewable Energy
KAUST	King Abdullah University of Science and Technology
KFAED	Kuwait Fund for Arab Economic Development
KfW	German Development Bank
KISR	Kuwait Institute for Scientific Research
KSA	Kingdom of Saudi Arabia
kWh	Kilowatt-hours
LADA	Land Degradation Assessment of Drylands
LAS	League of Arab States

LATA	Lebanese Appropriate Technology Association
LAU	Lebanese American University
LBNL	Lawrence Berkeley National Laboratory
LCEC	Lebanese Center for Energy Conservation
LDCs	Least Developed Countries
LED	Light-emitted diode
LEED	Leadership in Environmental Design
LEMA	Suez Lyonnaise des Eaux, Montgomery Watson and Arabtech Jardaneh
LGBC	Lebanon Green Building Council
LNG	Liquefied natural gas
LowCVP	Low Carbon Vehicle Partnership
LMBAs	Land and Marine Based Activities
LMEs	Large Marine Ecosystems
LMG	Like Minded Group
LMO	Living Modified Organism
LPG	Liquefied Petroleum Gas
LRA	Litani River Authority
MAAR	Syrian Ministry of Agriculture and Agrarian Reform
MAD	Moroccan Dirham
MALR	Ministry of Agriculture and Land Reclamation
MAP	UNEP Mediterranean Action Plan
MARPOL	International Convention for the Prevention of Pollution from Ships
MBT	Mechanical-biological treatment
MCM	Million Cubic Meters
MD	Membrane distillation
MDGs	Millennium Development Goals
MEA	Multilateral Environmental Agreement
MECTAT	Middle East Centre for the Transfer of Appropriate Technology
MED	Multiple-Effect Distillation
MED-ENEC	Energy Efficiency in the Construction Sector in the Mediterranean
MED WWR WG	Mediterranean Wastewater Reuse Working Group
MEES	Middle East Economic Survey
MEMAC	Marine Emergency Mutual Aid Centre
MENA	Middle East and North Africa
METAP	UNEP Mediterranean Environmental Technical Assistance Program
MEW	Lebanese Ministry of Energy and Water
MGD	Million gallon per day
MHT	Mechanical heat treatment
MICE	Meetings, incentives, conferences, and events
MIST	Masdar Institute of Science and Technology
MOQ	Maersk Oil Qatar
MOU	Memorandum of Understanding
MPA	Marine Protected Area
MSF	Multi-Stage Flash
MSW	Municipal solid waste
MT	Million ton
MTPY	Metric tons per year
Mt	Megatonnes
MW	Megawatt
MWRI	Ministry of Water Resources and Irrigation
NARI	National agricultural research institutes
NASA	National Aeronautics and Space Administration

NBC	National Biosafety Committee
NBDF	Nile Basin Discourse Forum
NBF	National Biosafety Framework
NBI	Nile Basin Initiative
NBM	Nile Basin Management
NCSR	Lebanese National Council of Scientific Research
ND	Neighborhood development
NDW	Moroccan National Drought Watch
NEEAP	National energy efficiency action plans
NEEREA	National Energy Efficiency and Renewable Energy Action (Lebanon)
NF	Nano-Filtration
NFC	Nile Forecast Center
NGV	Natural gas vehicles
NGWA	Northern Governorates Water Authority (Jordan)
NOAA	National Oceanic and Atmospheric Administration
NOC	National oil company
NOGA	National Oil and Gas Authority (Bahrain)
NORDEN	Nordic Council of Ministers
NOx	Nitrogen oxides
NRC	National Research Council
NREL	National Renewable Energy Laboratory
NRW	non-revenue water
NSAS	Nubian Sandstone Aquifer System
NWRC	National Water Research Center (Egypt)
NWSAS	North Western Sahara Aquifer System
NEAP	National Environmental Action Plan
NFP	National Focal Point
NGO	Non-Governmental Organization
NPK	Nitrogen, Phosphates and Potash
NPP	Net Primary Productivity
NUS	Neglected and underutilized species
O&M	Operation and Maintenance
OAPEC	Organization of Arab Petroleum Exporting Countries
OAU	Organization for African Unity
ODA	Official Development Assistance
ODS	Ozone-Depleting Substance
OECD	Organisation for Economic Co-operation and Development
OFID	OPEC Fund for International Development
OMW	Olive mills wastewater
ONA	Omnium Nord-Africain
ONEP	National Office of Potable Water
OPEC	Organization of Petroleum Exporting Countries
OSS	Sahara and Sahel Observatory (Observatoire du Sahara et du Sahel)
PACD	Plan of Action to Combat Desertification
PC	Personal computer
PCB	Polychlorinated biphenyls
PCFPI	Per Capita Food Production Index
PCFV	Partnership for Clean Fuels and Vehicles
PERSGA	Protection of the Environment of the Red Sea and Gulf of Aden
PFCs	Perfluorocarbons
PICs	Pacific Island Countries
PIM	participatory irrigation management

PM	Particulate matter
PMU	Program Management Unit
PNA	Palestinian National Authority
PNEEI	Tunisian National Program of Irrigation Water Conservation
PPIAF	Public-Private Infrastructure Advisory Facility
PPP	public-private partnership
POPs	Persistent Organic Pollutants
PPM	Parts Per Million
PPM	Process and Production Methods
PRM	Persons with reduced mobility
PRY	Potential researcher year
PTSs	Persistent Toxic Substances
PV	Photovoltaic
PWA	Palestinian Water Authority
QP	Qatar Petroleum
QSAS	Qatar Sustainable Assessment System
R&D	Research and Development
RA	Risk Assessment
RADEEMA	Régie autonome de distribution de l'eau et de l'électricité de Marrakech
RBO	River Basin Organization
RBP	Restrictive Business Practices
RCREEE	Regional Center for Renewable Energy and Energy Efficiency
RCM	Regional Circulation Model
RDF	Refuse derived fuel
RE	Renewable energy
REMPEC	Regional Marine Pollution Emergency Response Centre for the Mediterranean Sea
REN21	Renewable Energy Policy Network for the 21st Century
RO	reverse osmosis
RM	Risk Management
ROPME	Regional Organization for the Protection of the Marine Environment of the sea area surrounded by Bahrain, I.R. Iran, Iraq, Kuwait, Oman, Qatar, Saudi Arabia and the United Arab Emirates
RPS	Renewable portfolio standard
RSA	Ropme Sea Area
RSCN	Royal Society for the Conservation of Nature
RSC	Royal Society of Chemistry (UK)
RSGA	Red Sea and Gulf of Aden
S&T	Science and Technology
SAIC	Science Applications International Corporation
SAP	Strategic Action Program
SCP	Sustainable Consumption and Production
SCPI	Sustainable crop production intensification
SD	Sustainable development
SEA	Strategic Environmental Assessment
SFD	Saudi Fund for Development
SHS	Solar home system
SIR	Shuttle Imaging Radar
SIWI	Stockholm International Water Institute
SL	Syrian Pound
SLR	Sea Level Rise
SME	Small and medium-size enterprises
SPM	Suspended Particulate Matter

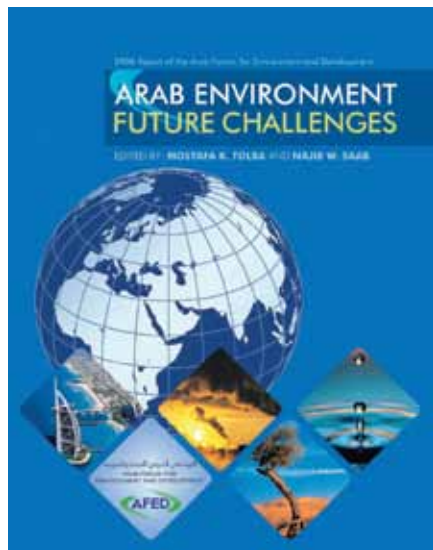
SONEDE	Société Nationale d'Exploitation et de Distribution des Eaux
SoE	State of the Environment
SOx	Sulfur oxides
SRES	Special Report on Emission Scenarios
SRTM	Shuttle Radar Topography Mission
SWCC	Saline Water Conversion Corporation
SWH	solar water heating
SWRO	Seawater Reverse Osmosis
TAC	Technical Advisory Committee
TAR	Third Assessment Report
TDM	Transportation demand management
TDS	Total Dissolved Solids
TFP	Total factor productivity
TIES	The International Ecotourism Society
TOE	Tonnes of Oil Equivalent
TRI	Toxics Release Inventory
TRIPs	Trade-Related Aspects of International Property Rights
TRAFFIC	Trade Records Analysis for Flora and Fauna in International Commerce
TRMM	Tropical Rainfall Measuring Mission
UAE	United Arab Emirates
UCLA	University of California at Los Angeles
UCS	Union of Concerned Scientists
UF	ultrafiltration
UfM	Union for the Mediterranean
UK	United Kingdom
UNCED	United Nations Conference on Environment and Development
UNESCO	United Nations Educational, Scientific, and Cultural Organization
UNESCO-ROSTAS	UNESCO Regional Office for Science and Technology for the Arab States
UIS	UNESCO Institute for Statistics
USA	United States of America
USAID	United States Agency for International Development
USEPA	United States Environmental Protection Agency
USPTO	United States Patent and Trademark Office
UHI	Urban Heat Island
UMA	Union du Maghreb Arabe (Arab Maghreb Union)
UN	United Nations
UNCBD	United Nations Convention on Biological Diversity
UNCCD	United Nations Convention to Combat Desertification
UNCED	United Nations Conference on Environment and Development
UNCHS	United Nations Centre for Human Settlements (now UN-Habitat)
UNCLOS	United Nations Convention on the Law of the Sea
UNCOD	United Nations Conference on Desertification
UNCTAD	United Nations Conference on Trade and Development
UNDAF	United Nations Development Assistance Framework
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFCCC	United Nations Framework Convention on Climate Change
UNFPA	United Nations Population Fund
UNHCR	United Nations High Commission for Refugees
UNICE	United Nations Children's Fund
UNIDO	United Nations Industrial Development Organization

UNWTO	United Nations World Tourism Organization
UPC	Abu Dhabi Urban Planning Council
UPI	United Press International
USA	United States of America
USCCSP	United States Climate Change Science Program
USAID	United States Agency for International Development
USEK	Université Saint-Esprit De Kaslik
USEPA	United States Environmental Protection Agency
USJ	Saint Joseph University
UV	Ultraviolet (A and B)
VAT	Value-added tax
VC	vapor compression
VCM	Volatile combustible matter
VMT	Vehicle miles traveled
VOC	Volatile organic compounds
VRS	Vapor recovery system
WaDImena	Water Demand Initiative for the Middle East and North Africa
WAJ	Water Authority of Jordan
WALIR	Water Law and Indigenous Rights
WB	West Bank
WDM	Water Demand Management
VOC	Volatile Organic Compound
WBCSD	World Business Council for Sustainable Development
WBGU	German Advisory Council on Global Change
WCED	World Commission on Environment and Development
WCD	World Commission on Dams
WCMC	UNEP World Conservation Monitoring Center
WCP	World Climate Programme
WCS	World Conservation Strategy
WDPA	World Database on Protected Areas
WEEE	Waste of electronic and electrical equipment
WEF	World Economic Forum
WEI	Water Exploitation Index
WFP	World Food Programme
WGP-AS	Water Governance Program in the Arab States
WHO	World Health Organization
WMO	World Meteorological Organization
WNA	World Nuclear Association
Wp	Watt-peak
WRI	World Resources Institute
WSSCC	Water Supply and Sanitation Collaborative Council
WSSD	World Summit on Sustainable Development
WTO	World Trade Organization
WTTC	World Travel and Tourism Council
WWAP	World Water Assessment Programme
WWC	World Water Council
WWF	World Wide Fund for Nature
WUA	water user association
WWAP	World Water Assessment Program
WWF	World Water Forum
WWI	First World War
WWII	Second World War

Arab Environment: Future Challenges

2008 Report

of the Arab Forum for Environment and Development



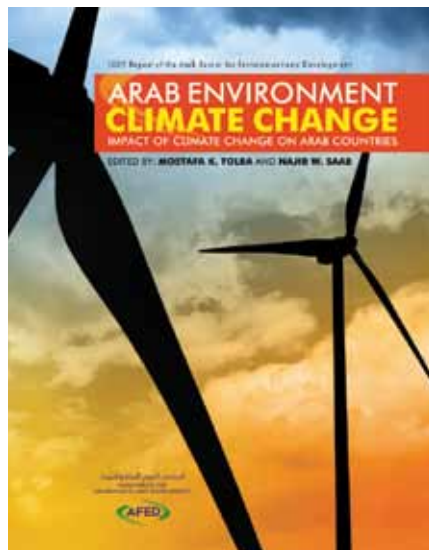
For the first time, a comprehensive independent expert report on Arab environment is released for public debate. Entitled *Arab Environment: Future Challenges*, this ground-breaking report has been commissioned by Arab Forum for Environment and Development (AFED), and written by some of the most prominent Arab experts, including authors, researchers and reviewers. Beyond appraising the state of the environment, based on the most recent data, the policy-oriented report also evaluates the progress towards the realization of sustainable development targets, assesses current policies and examines Arab contribution to global environmental endeavors. Ultimately, the report proposes alternative policies and remedial action.

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info@afedonline.org

Arab Environment: Climate Change

2009 Report

of the Arab Forum for Environment and Development



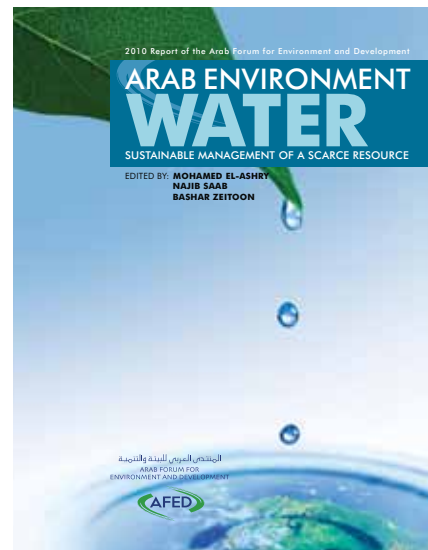
Impact of Climate Change on the Arab Countries is the second of a series of annual reports produced by the Arab Forum for Environment and Development (AFED). The report has been designed to provide information to governments, business, academia and the public about the impact of climate change on the Arab countries, and encourage concrete action to face the challenge.

The report analyzes the Arab response to the urgent need for adaptation measures, and uses the latest research findings to describe the vulnerabilities of natural and human systems in the Arab world to climate change and the impacts on different sectors. In an attempt to help shape adequate policies, the report discusses options for a post-Kyoto regime and outlines the state of international negotiations in this regard.

Arab Environment: Water

2010 Report

of the Arab Forum for Environment and Development



water: sustainable management of a scarce resource is the third of a series of annual reports produced by the arab forum for environment and development (afed). it follows the publication of two reports, arab environment: future challenges in 2008 and impact of climate change on arab countries in 2009.

the 2010 report is designed to contribute to the discourse on the sustainable management of water resources in the arab world and provides critical understanding of water in the region without being overly technical or academic in nature.

the unifying theme is presenting reforms in policies and management to develop a sustainable water sector in arab countries. case studies, with stories of successes and failures, are highlighted to disseminate learning.

this report contributes to the ongoing dialogue on the future of water and catalyzes institutional reforms, leading to determined action for sustainable water policies in arab countries.