

Annex II: Water institutions and legislation in Arab countries

Table A.2.1 Water institutional settings and legislation in Arab countries

Country and institution/setting	Authority/law name	Source
Algeria		Ministry of Water Resources of Algeria (www.mre.gov.dz/eau/organisation.html)
Legislation	Water Law 2005	
Main water resources management (WRM) administration	Ministry of Water Resources (MRE)	
Drinking water supply institution	Algérienne des Eaux ADE (Algerian of Waters), under MRE	
Sanitation institution	Office National de l'Assainissement (National Sanitation Office), under MRE	
Irrigation management institution	Office National de l'Irrigation et du Drainage (National Office of Irrigation and Drainage), under MRE	
Intersectoral coordination	Agences de bassins hydrographiques, comité de bassin (watershed agencies, basin committees)	
Territorial water management	Five basin organizations	
Water master plan	National Water Plan in progress (2010–2030)	Karracha (2010)
Bahrain		GWJ (2010)
Legislation	No water law or legislation in place (only privately owned water use rights)	FAO (2008)
Main WRM administration	Ministry of Works, Ministry of Energy and Ministry of Municipalities Affairs and Urban Planning	
Drinking water supply institution	Electricity and Water Authority	
Sanitation institution	Ministry of Works	
Irrigation management institution	Ministry of Municipalities Affairs and Urban Affairs	FAO (2008)
Intersectoral coordination	High Council for Water Resources	FAO (1997)
Territorial water management	..	
Water master plan	None	FAO (2008)
Egypt		Egypt Ministry of Water Resources and Irrigation (www.mwri.gov.eg/En/)
Legislation	Many laws, including Law 48/1982 for the protection of the Nile River and water ways, Law 12/1984 on Irrigation and Drainage, and Law 4/1992 for the environment.	
Main WRM administration	Ministry of Water Resources & Irrigation (MWRI)	
Drinking water supply institution	Ministry of Drinking Water and Sanitation Facilities	GWJ (2012)

Sanitation institution	Ministry of Drinking Water and Sanitation Facilities	GWI (2012)
Irrigation management institution	MWRI	
Intersectoral coordination	Ministerial committee at the Cabinet level	World Bank (2006)
Territorial water management	Nile Water Sector and Groundwater Sector	
Water master plan	National Water Resources Plan (issued in 2005 and valid until 2017)	
Jordan		Jordan Ministry of Water and Irrigation (www.mwi.gov.jo/sites/en-us/default.aspx)
Legislation	Several laws (Jordan Water Authority Law 18/1998; Law 30/2001 for Jordan Valley development; Law 85/2002 for the control of the use of groundwater; Provisional Law 1/2003 for the protection of the environment)	World Bank (2009)
Main WRM administration	Ministry of Water and Irrigation	
Drinking water supply institution	Water Authority of Jordan (national)	Water Authority of Jordan (www.waj.gov.jo/sites/en-us/default.aspx)
Sanitation institution	Water Authority of Jordan (national)	Water Authority of Jordan (www.waj.gov.jo/sites/en-us/default.aspx)
Irrigation management institution	Jordan Valley Authority/Ministry of Agriculture	Jordan Valley Authority (www.jva.gov.jo/sites/en-us/default.aspx)
Intersectoral coordination	Ministry of Water and Irrigation	
Territorial water management	Local	
Water master plan	National Water Master Plan (launched in 2004, currently in progress) and National Water Strategy 2009–2022	
Kuwait		World Bank (2005)
Legislation		
Main WRM administration	Ministry of Electricity and Water	
Drinking water supply institution	..	
Sanitation institution	Ministry of Public Works	
Irrigation management institution	Public Authority for Agricultural Affairs and Fish Resources	FAO (1997)
	Soil and Water Division	
Intersectoral coordination	..	
Territorial water management	Informal	
Water master plan	In process	Dar Gulf Consult (n.d.)

Lebanon		
		Lebanon Ministry of Energy and Water (www.energyandwater.gov.lb/)
Legislation	Several laws (Water Law 221/2000 to organize and identify the roles of four water authorities; laws to establish water consumption tariffs in industrial and domestic sectors); National Water Sector Strategy (2012)	
Main WRM administration	Ministry of Energy and Water; four regional water establishments; Litani River Authority; Council for the South; Council for Development and Reconstruction; Ministry of Finance; High Commission for the Displaced	
Drinking water supply institution	Regional water establishments	
Sanitation institution	Regional water establishments	
Irrigation management institution	Regional water establishments and Litani River Authority	
Intersectoral coordination	National (interministerial)	
Territorial water management	Regional water establishments and Litani River Authority	
Water master plan	Ten-year plan issued in 2000 (extended until 2018)	
Morocco		
		INECO (2009a)
Legislation	Several laws, including Water Law 10 of 1995 (Grounds for the Law and Benefits of Water Legislation)	
Main WRM administration	Ministry of Energy, Mines, Water and Environment; Secrétariat d'Etat Chargé de l'Eau et de l'Environnement (Secretary of State for Water and Environment) Ministry of Finance and Privatisation; Ministry of Health; Ministry of Agriculture, Rural Development and Sea Fisheries; Ministry of Interior; Ministry of Economic Affairs	
Drinking water supply institution	Office National de l'Eau Potable (National Water Utility); private concessionaries; and local public water utilities (régies)	
Sanitation institution	Office National de l'Eau Potable (National Water Utility); private concessionaries; and local public water utilities (régies)	
Irrigation management institution	Offices Régionaux de Mise en Valeur Agricole (Regional Offices for Agricultural Development); Ministry of Agriculture, Rural Development and Sea Fisheries	
Intersectoral coordination	Supreme Council for Water and Climate (Water Inter-Ministerial Committee)	
Territorial water management	Hydraulic basin agencies	
Water master plan	National Water Strategy 2009–2030	AfDB (2009)

Oman		Al-Habsi and Al-Hosnui (2009)
Legislation	Several decrees, including Water Wealth Protection Law (2000); Royal Decree 114 of 2001: Issuing the Law on Conservation of the Environment and Prevention from Pollution; Royal Decree 115 of 2001: Issuing Law on Protection of Sources of Potable Water from Pollution; Royal Decree 78 of 2004: Law for the Regulation and Privatisation of the Electricity and Related Water Sector	World Law Guide (2011); USAID (2010)
Main WRM administration	Ministry of Regional Municipalities and Water Resources; Ministry of Environment and Climate Affairs	World Bank (2005)
Drinking water supply institution	Public Authority for Water and Electricity	
Sanitation institution	Haya Water, originally operating as Oman Wastewater Services Company (Muscat Governorate) Salalah Sanitary Drainage Services Company (Salalah) Sohar Development Office (Sohar) Ministry of Regional Municipalities and Water Resources (rest of country)	AWC (2011)
Irrigation management institution	Ministry of Agriculture and Fisheries	
Intersectoral coordination	Ministry of Regional Municipalities and Water Resources	
Territorial water management	Regional governorates	
Water master plan	National Water Resources Master Plan (2001–2020)	
Palestine		SEMIDE-EMWIS (2005)
Legislation	Water Law 2002; several decrees and by-laws	
Main WRM administration	Palestinian Water Authority	
Drinking water supply institution	Regional water utilities (the West Bank Water Department in the West Bank; the Coastal Municipal Water utility in the Gaza Strip); municipalities; village councils; joint service/subregional councils	
Sanitation institution	Regional water utilities (the West Bank Water Department in the West Bank; the Coastal Municipal Water Utility in the Gaza Strip); municipalities; village councils; joint service/subregional councils	
Irrigation management institution	Palestinian Water Authority; Ministry of Agriculture	
Intersectoral coordination	National Water Council	
Territorial water management	Regional water utilities; municipalities; village councils; joint service/subregional councils	

Water master plan	National Water Plan 2000–2020	
<i>Qatar</i>		GWJ (2011)
Legislation	New water law by 2016 (water decrees are included in the Issuance Law of Environment Protection of 2002)	Qatar Embassy (2002)
Main WRM administration	Ministry of Energy and Industry	
Drinking water supply institution	Qatar Electricity and Water Corporation KahraMaa	
Sanitation institution	Public Works Authority Ashghal	
Irrigation management institution	Ministry of Municipal Affairs and Urban Planning	
Intersectoral coordination	Permanent Water Resources Committee	
Territorial water management	..	
Water master plan	30-year power and water master plan (completed in 2008 and in the process of being approved)	
<i>Saudi Arabia</i>		FAO (2008)
Legislation	Comprehensive Water Act and regulations	WWC (2012)
Main WRM administration	Ministry of Water and Electricity	
Drinking water supply institution	National Water Company and private companies (through management, operations and maintenance, build-operate-transfer projects, build-own-operate projects and concession agreements)	NWC (2011)
Sanitation institution	National Water Company and private companies (through management, operations and maintenance, build-operate-transfer projects, build-own-operate projects and concession agreements)	NWC (2011)
Irrigation management institution	General Administration of Irrigation Affairs (under Ministry of Agriculture)	
Intersectoral coordination	Ministry of Water and Electricity	
Territorial water management	Local water agencies and authorities	WWC (2012)
Water master plan	National Water Sector Plan under preparation; National Water Strategy under review	UNDP (2012)
<i>Syria</i>		INECO (2009b)
Legislation	Several laws, including Water Law (2005)	
Main WRM administration	Ministry of Water Resources (General Commission for Water Resources Management) ^a	
Drinking water supply institution	Ministry of Housing and Urban Development ^b	
Sanitation institution	Ministry of Housing and Urban Development	
Irrigation management institution	Ministry of Water Resources	
Intersectoral coordination	Higher Water Committee	
Territorial water management	Public drinking water and sewerage establishments	UNW-AIS (2012)

Water master plan	National Water Strategy 2003–2030 (includes provisions for the elaboration of an integrated water resources management plan) ^c	SWIM (2012)
Tunisia		INECO (2009c)
Legislation	Water Code of 1975 (Code des Eaux)	
Main WRM administration	Ministère de l’Agriculture, des Ressources Hydrauliques et de la Pêche (Ministry of Agriculture, Water Resources and Fisheries)	
Drinking water supply institution	Société Nationale d’Exploitation et de Distribution des Eaux (National Water Distribution Utility) in urban areas and agglomerated rural areas; associations of collective interest or Groupements d’Intérêt collectif in dispersed rural areas	UNDP-WGP-AS (2011)
Sanitation institution	Office National de l’Assainissement (National Sanitation Utility)	
Irrigation management institution	La Direction Générale du Génie Rural et de l’Exploitation des Eaux (General Directorate for Rural Engineering and Water Exploitation)	
Intersectoral coordination	Comité National de l’Eau (National Water Committee)	El Hedi Louati, Mellouli, and El Echi (2005)
Territorial water management	Commissariats Régionaux au Développement Agricole (Regional Departments for Agricultural Development)	
Water master plan	Ten-year Strategy of Water Resources (2001–2011); Long-term Water Strategy (2003–2030)	Hamza (2010)
United Arab Emirates		FAO (1997)
Legislation	No comprehensive water law (several federal laws as part of environment and aquatic resources federal laws); Law 17 of 2005 for wastewater; a new water resources law is under final review	
Main WRM administration	Ministry of Energy; Ministry of Environment and Water	
Drinking water supply institution	Federal Water and Electricity Authority; Abu Dhabi Water and Electricity Authority; Dubai Electricity and Water Authority; Sharjah Electricity and Water Authority	Italian Trade Promotion Agency (2012)
Sanitation institution	Ministry of Environment and Water	
Irrigation management institution	Ministry of Environment and Water	
Intersectoral coordination	Water and Electricity Council	United Arab Emirates Cabinet (n.d.)
Territorial water management	General Water Resources Authority	

Water master plan	National Water Conservation Strategy (2010–2021)	Al-Mulla (2011)
	Abu Dhabi Water Resources Master Plan	
	Environment Agency Abu Dhabi's Environment Vision 2030	EAD (2010)
	Environment Agency Abu Dhabi's 5-year Strategic Plan (2009–2013)	EAD (2009a; 2009b)
Yemen		GTZ, World Bank, and Republic of Yemen (2007)
Legislation	Framework Water Law 33 (passed in 2002 and amended in 2006; by-law passed in 2011)	GTZ, World Bank, and Republic of Yemen (2009); Yemeni-German Technical Cooperation (2011)
Main WRM administration	National Water Resources Authority	
Drinking water supply institution	National Water and Sanitation Authority, local corporations and autonomous public utilities affiliated with local corporations (urban areas)	
	General Authority for Rural Water Supply Projects (rural areas)	
Sanitation institution	National Water and Sanitation Authority, local corporations and autonomous public utilities affiliated with local corporations (urban areas)	
	General Authority for Rural Water Supply Projects (rural areas)	
Irrigation management institution	Ministry of Agriculture and Irrigation	
Intersectoral coordination	Ministry of Water and Environment	
Territorial water management	Ministry of Local Administration (local councils)	
Water master plan	National Water Sector Strategy and Investment Program (2009–2015)	GTZ, World Bank, and Republic of Yemen (2007)

a. Ministry of Water Resources assumed the tasks of the former Ministry of Irrigation after the issuance of presidential decree No.44 for 2012 (Day Press News, 23 June 2012: www.dp-news.com/en/detail.aspx?articleid=124241).

b. Ministry of Housing and Urban Development assumed the tasks of the former Ministry of Housing after the issuance of presidential decree No. 45 for 2012 (Day Press News, 23 June 2012: www.dp-news.com/en/detail.aspx?articleid=124241).

c. Project funded by the European Union.

Table A.2.2

List of major water-related NGOs in the Arab region

Institutions	Website	Type	Focus
Arab Healthy Water Association	www.mgwater.com/arabhwa.shtml	Local NGO	Water quality, health-related issues and water conservation
Arab Integrated Water Resources Management Network	http://waterwiki.net/index.php/AWARENET.org	Regional	Training and research on IWRM
Arab Urban Development Institute, Environment Centre for Arab Towns	www.araburban.com	NGO	Regional, non-governmental, nonprofit urban research, technical and consulting organization
Arab Water Academy	www.awacademy.ae/	Regional	Regional centre of excellence, water scarcity issues, education and capacity development programs
Center for Environment and Development for the Arab Region and Europe	www.cedare.int/	Regional	Environment and development
Center of Arab Women for Training and Research	www.cawtar.org/	Regional (gender)	Research, training and networking
Euro-Mediterranean Water Information System	www.emwis.net/overview	Regional	Training, research, exchanging information and knowledge in the water sector, assistance and financing
International Network on Water, Environment and Health (Dubai marine laboratory)	www.inweh.unu.edu/index.html	Canada, with regional office in Dubai	Education and research
Middle East Desalination Research Center	http://www.medrc.org/index.cfm?area=about	Regional research centre	Desalination and water reuse technology, research studies and technical assistance
National Center for Water Research, King Abdel-Aziz City for Science and Technology	www.kacst.edu.sa/en/about/centers/Pages/ncw.aspx	National centre	Water resources, water technologies, water pollution
The Nile Basin Initiative	www.nilebasin.org/index.php?option=com_content&task=view&id=13&Itemid=42	Regional	Water resources
Water Research Center, King Abdulaziz University	http://wrc.kau.edu.sa/Default.aspx?Site_ID=123&Lng=EN	Research centre	Water resources, water and waste treatment, coastal pollution
Water Science and Technology Association	http://wstagcc.org/	Regional	Water issues in Gulf Cooperation Council countries

Source: The Report team.