

Implementation of the Recommendations made by the Committee on Water Resources at its Twelfth Session

Item 10 of the provisional agenda

Economic And Social Commission For Western Asia



UNITED NATIONS

الأمم المتحدة

ESCWA

Committee on Water Resources
Thirteen Session
Beirut, 27-28 June 2019

Introduction

- The Committee on Water Resources held its Twelfth Session in Amman from 22 to 24 March 2017;
- Recommendations were addressed to member States and to the ESCWA secretariat
- The recommendations were set out in the report of the Twelfth Session of the Committee on Water Resources
- The current presentation provides an overview of actions and activities undertaken by ESCWA pursuant to the recommendations of the Committee on Water Resources at its twelfth session to the secretariat.

Recommendations addressed to the ESCWA Secretariat



UNITED NATIONS

الاستسقا

ESCWA

Recommendation (a)

Strengthen training programmes on sustainable development issues related to water resource management, the water-energy-food nexus, shared water resources, climate change and sanitation; and benefit from information technologies in those programmes to increase the number of beneficiaries.

ESCWA provided tailored training programmes to respond to national needs on the following:

Water-Energy Nexus

- Under UNDA project on “Developing the Capacity of ESCWA Member Countries to Address the Water-Energy Nexus for Achieving SDGs”:
 - Two operational manuals on *Renewable Energy* and *Technology Transfer* which served as a basis for the delivery of capacity building workshops on related themes and convened in July and October 2017 in Beirut and Amman, respectively;
 - UNDA project completion was marked by a Final Regional Policy Workshop on the Water-Energy Nexus (Beirut, 11-12 December 2017).

Shared Water Resources

- ESCWA issued 2 working papers related to an analysis of the status of shared water resources management in the Arab region to inform the achievement of the SDG 6.5.2;
- The working papers were used to inform two expert meetings in Cairo (29-30 November 2017) and Beirut (6-7 December 2018) on:
 - Ways to strengthen shared water resources management;
 - Training component on the SDG 6.5.2 indicators methodology.

Recommendation (a) *(continued)*

Strengthen training programmes on sustainable development issues related to water resource management, the water-energy-food nexus, shared water resources, climate change and sanitation; and benefit from information technologies in those programmes to increase the number of beneficiaries.

Climate Change

- ESCWA in collaboration with partners contributed to the organization of regional, sub regional and national workshops based on the application of climate change data sets, tools and methodologies developed under RICCAR to specific geographic locations and for selected sectors
- See parliamentary document on the activities of the Arab Centre for Climate Change Policies for additional details.

Sanitation

- ESCWA facilitated efforts to engage MDG+ Initiative National Focal Points in training and follow-up on indicators related to SDG 6.2 (see Recs a,b)

*Reporting on ESCWA measures taken in response to Recommendations (b) and (c) will be reported on jointly since both recommendations focus on **building on MDG+** to inform Arab regional work on the SDGs.*

Recommendation (b)

Benefit from the outcomes of the MDG+ Initiative (available information and data, lessons learned and the institutional framework) and develop a framework to shift from the MDGs to the SDGsto prepare member States to develop national sustainable development plans and monitor and follow up on implementing the SDGs

Recommendation (c)

Provide continuous technical support to Arab countries in collecting data and measuring indicators adopted by the AMWC on water supply, sanitation and waste water; and continue cooperation with the ACWUA to review and disseminate those data and prepare reports thereon



MDG + Indicators



Water Supply

- Water Consumption
- Continuity of Supply
- Water Quality
- Distance to Source
- Tariff Structure
- Cost Affordability

Sanitation Services

- Treated Water Quantity
- Treatment Type
- Reuse
- Use after Treatment
- Tariff Structure
- Cost Affordability

Purpose was not only to consider access to drinking water and sanitation for hygiene, but also the ***quantity, reliability, affordability, sustainability, and quality of service***.

Supply, sanitation & wastewater central to consider in water scarce environments.

These concerns now reflected in the SDGs



The Regional Initiative for Establishing
A Regional Mechanism for Improved Monitoring and
Reporting on Access to

Water Supply

and Sanitation Services

**in the Arab Region
(MDG+ Initiative)**

SECOND REPORT

2016



المبادرة الإقليمية حول تطوير آلية إقليمية لتحسين الرصد
والإبلاغ بشأن الحصول على

إمدادات المياه

وخدمات الصرف الصحي

في المنطقة العربية
(مبادرة MDG+)
التقرير الثاني

2016



Building on MDG+ to advance work inform Arab regional work on the SDGs (*Recommendations b,c*)

Measures taken

- **Global level:** Supported participation of [MDG+ National Focal Points in first Global Workshop for Integrated Monitoring of SDG6 on Water and Sanitation](#) (The Hague, 21-23 November 2017), and facilitated discussions on how to improve monitoring and reporting on SDG6 drawing upon this regional experience, in view of supporting engagement in SDG6 monitoring and reporting
- **Regional levels:** Expert group meetings, regional World Water Day celebrations, regional consultations in [preparation of the 2018 ASFD and HLPF](#), resulted in:
 - Launch of the [Arabic edition of 2016 MDG+ Initiative Report](#);
 - Regional launch of the *2017 World Water Development Report* on wastewater (which includes MDG+ data on sanitation);
 - Discussions informed the 2018 ***Outcome Document of the regional consultations on water issues in the Arab region*** (submitted to 2018 AFSD and HLPF to voice Arab concerns).

Building on MDG+ to advance work inform Arab regional work on the SDGs (*continued*)

- ***National Level:***

- MDG+ counterparts participated in several capacity-building activities;
- Provided technical assistance on SDG 6 indicator methodologies to support the preparation of national reports, including on SDG 6.1, 6.2, 6.3, 6.5

Advanced work on methodologies and indicators of interest to Arab and water-scarce regions.

- A missing indicator under Target SDG 6.4 on “Percentage of population suffering from water scarcity”.
- Supporting countries better understand and pursue monitoring on SDG 6.5.1 and 6.5.2, and prepared regional reports on the SDG 6.5 indicators

Recommendation (d)

Support member States' efforts in ensuring that water-related regional priorities are respected in global, regional and national follow-up mechanisms for the 2030 Agenda, and in implementing the Paris Agreement, the Sendai Framework for Disaster Risk Reduction and the Addis Ababa Action Agenda.

Climate change negotiations

Organization of 8th, 9th, 10th, 11th and 12th Regional Training Workshops on Capacity Development for Climate Change Negotiations for the Arab Countries with LAS, UNEP and UNESCO to discuss:

- *Issues under negotiation*
- *Access to technology, climate finance to meet Paris Agreement commitments;*

Bridging Paris agreement and Sendai Framework Processes

- *ESCWA Water Development Report 7: Climate Change and Disaster Risk Reduction in the Arab Region (2017)*
- *Expert Group Meeting on Coordinating Responses to Climate Change and Disaster Risk Reduction in the Arab Region*
- *Workshop on Sendai Framework Monitor and National Disaster Loss Accounting System and Linkage of Climate Change and Disaster Risk Reduction for Iraq*
- *Engagement in preparation of Regional Assessment Report on Disaster Risk Reduction in the Arab Region, led by UNDRR.*

Climate Finance

- *Technical report on climate finance informed discussions in regional meetings and consultation will be issued in its final version in 2019, and is under finalization.*

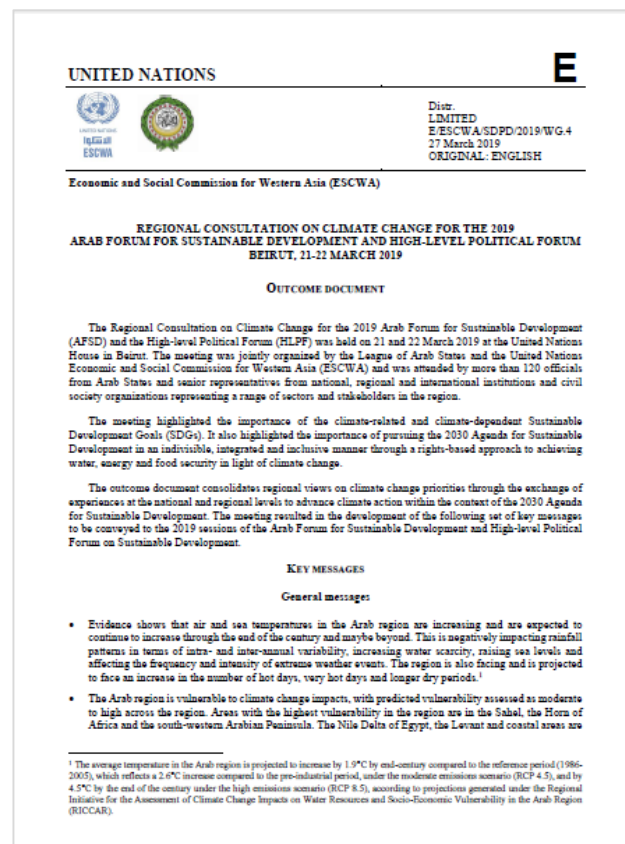
Recommendation (e)

Urge member States to effectively participate in preparatory activities for the 2018 and 2019 sessions of the Arab Forum on Sustainable Development and the High-level Political Forum on Sustainable Development, both focusing on SDGs 6 and 13.

■ ESCWA, LAS and regional partners organized preparatory meetings environment, energy water and climate change-related issues for the 2017, 2018 and 2019 sessions of the AFSD and HLPF that focused on:

- Environment (April 2017, February 2018, February 2019)
- Energy (March 2018)
- Water (March 2018)
- Climate change (March 2019)

■ Each resulted in a consensus **outcome document** that was incorporated in the subsequent AFSD meeting report as part of the regional submission to the High-level Political Forum.





Regional Preparatory Meeting on Water for 2018 AFSD & HLPF

Regional Consultation on Climate Change for 2019 AFSD & HLPF



Recommendation (f)

Support the **International Decade for Action, “Water for Sustainable Development” 2018-2028**, and finance member State participation in its activities; and ensure progress in achieving the water-related SDGs.



- ESCWA is a member of the UN-Water Water Action Decade Task Force and hence contributed to the preparation of the Secretary-General’s Plan: Water Action Decade 2018-2028;
- ESCWA launched the International Decade for Action during the Regional Preparatory Meeting on Water Issues for the 2018 Arab Forum on Sustainable Development and High-level Political Forum (Beirut, 28-29 March 2018);
- ESCWA continued support to member states in their efforts to achieve water-related goals, as called for by the Water Action Decade (through IWRM, WEF Nexus, shared water resources management and climate change activities);
- ESCWA engaged in regional preparations for mid-point review of the Decade (New York, March 2023).



United Nations

A/C.2/73/L.24/Rev.1

General Assembly

Distr.: Limited
20 November 2018

Original: English

Seventy-third session

Second Committee

Agenda item 20 (a)

Sustainable development: implementation of Agenda 21, the Programme for the Further Implementation of Agenda 21 and the outcomes of the World Summit on Sustainable Development and of the United Nations Conference on Sustainable Development

Afghanistan, Albania, **Algeria**, Angola, Antigua and Barbuda, Argentina, Armenia, Azerbaijan, Bahamas, **Bahrain**, Bangladesh, Belarus, Belize, Benin, Bhutan, Bolivia (Plurinational State of), Botswana, Brazil, Burkina Faso, Burundi, Cabo Verde, Cambodia, Cameroon, Canada, Central African Republic, Chad, Chile, China, Colombia, **Comoros**, Congo, Costa Rica, Côte d'Ivoire, Cuba, Democratic People's Republic of Korea, Democratic Republic of the Congo, Djibouti, Dominica, Dominican Republic, Ecuador, **Egypt**, El Salvador, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Fiji, Gabon, Gambia, Georgia, Ghana, Grenada, Guatemala, Guinea, Guyana, Haiti, Honduras, India, Indonesia, Iran (Islamic Republic of), **Iraq**, Jamaica, Japan, **Jordan**, Kazakhstan, Kenya, Kiribati, **Kuwait**, Kyrgyzstan, Lao People's Democratic Republic, **Lebanon**, Lesotho, Liberia, **Libya**, Madagascar, Malawi, Malaysia, Maldives, Mali, Marshall Islands, **Mauritania**, Mauritius, Mexico, Micronesia (Federated States of), Monaco, Mongolia, Montenegro, **Morocco**, Mozambique, Myanmar, Namibia, Nauru, Nepal, Nicaragua, Niger, Nigeria, Norway, **Oman**, Pakistan, Palau, Panama, Papua New Guinea, Paraguay, Peru, Philippines, **Qatar**, Republic of Korea, Republic of Moldova, Romania, Rwanda, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Samoa, Sao Tome and Principe, **Saudi Arabia**, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Solomon Islands, **Somalia**, South Africa, South Sudan, Sri Lanka, **Sudan**, Suriname, Syrian Arab Republic, Tajikistan, Thailand, the former Yugoslav Republic of Macedonia, Timor-Leste, Togo, Tonga, Trinidad and Tobago, Tunisia, Turkmenistan, Tuvalu, Uganda, **United Arab Emirates**, United Republic of Tanzania, Uruguay, Uzbekistan, Vanuatu, Venezuela (Bolivarian Republic of), Viet Nam, **Yemen**, Zambia and Zimbabwe: **revised draft resolution**

18-19902 (E) 231118



Please recycle



WATER ACTION DECADE

2018 - 2028

5. *Requests* the President of the General Assembly, through voluntary contributions, to convene in New York, in 2021, a one-day high-level meeting to promote the implementation of the water-related Goals and targets of the 2030 Agenda, in support of the implementation of the Decade and the high-level political forum on sustainable development;

6. *Requests* the Secretary-General, with the support of UN-Water, the specialized agencies, the regional commissions and other entities of the United Nations system, to prepare a report for the seventy-seventh session of the General Assembly, to assess progress in the implementation of the first half of the Decade, including the Secretary-General's Plan: Water Action Decade 2018–2028, and, taking into account best practices and lessons learned, to identify obstacles and constraints encountered, actions and initiatives needed to overcome them during the second half of the Decade and activities planned by Member-States, the Secretary-General and other relevant organizations of the United Nations system, as appropriate, which will serve as an input to the high-level political forum on sustainable development;

7. *Decides* that the Conference on the Midterm Comprehensive Review of the Implementation of the Objectives of the International Decade for Action shall be preceded by regional and global preparatory meetings, as appropriate, and informed by existing water-related meetings at the regional and global level, and that all costs relating to the Conference and its preparatory process shall be financed through voluntary contributions, and in this connection requests the Secretary-General to coordinate the preparatory process and to invite all relevant organizations of the United Nations system, including the regional commissions and other relevant organizations, within their respective mandates, to provide support to the review process;

8. *Encourages* Member States, relevant United Nations bodies, the specialized agencies, the regional commissions and other organizations of the United Nations system, as well as other relevant partners, including the private sector, to continue to contribute to the review and implementation of the Decade, including through capacity-building, in order to support the implementation of the 2030 Agenda;

77th Session of the United Nations General Assembly starts in 2022

Recommendation (g)

Provide **technical support** in the field of non-conventional water, including water desalination, rainwater harvesting and wastewater treatment and reuse, and transfer the experiences of some Arab countries in this area.

- Contributed to discussions regarding the formulation of a regional initiative for water and sanitation utilities in water-scarce cities in the MENA region, being pursued by UN-Habitat & ACWUA
- Developed technical tools and lessons learned from the region on the application of rainwater harvesting schemes and wastewater management as a climate change adaptation measure, shown in ACCWaM & IWRM training materials

Through project on “Developing Capacities for Climate Change Adaptation by Applying IWRM Tools”, prepared:

- Module on *“Climate Change Adaptation in Agriculture, Forestry and Fisheries Using Integrated Water Resources Management Tools”*, (ACSAD & GIZ),
- Module on *“Climate Change Adaptation in Human Settlements Using Integrated Water Resources Management Tools”*, (ESCWA & ACWUA), among others.

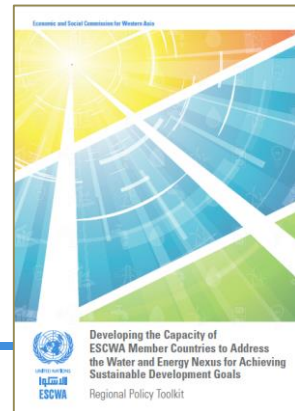
*Reporting on ESCWA measures taken in response to Recommendations (h) and (i) are reported on jointly since both recommendations focus on the operationalization of the **water-energy-food nexus***

Recommendation (h)

Continue providing technical and financial support to member States to promote regional efforts on the water-energy-food nexus;

Recommendation (i)

Select a pilot project on the water-energy nexus and refer to the successful experiences of developed countries in its implementation.



Water-energy-food nexus (recommendations h,i)

Three water energy nexus pilots initiatives were implemented:

Under: UNDA project on “Developing the Capacity of ESCWA Member Countries to Address the Water-Energy Nexus for Achieving SDGs”

- Photovoltaic Solar System for Water Pumping (Moghra Oasis, Egypt);
- Photovoltaic Solar Systems for Groundwater Pumping (Suwayda, Syrian Arab Republic);
- Improving Energy Consumption in Hydraulic Systems (Kairouan, Tunisia).
- Operational manuals on renewable energy and technology transfer

Regional workshops, expert meeting, intergovernmental meeting on nexus

Under: UNDA project on “Developing the Capacity of ESCWA Member Countries to Address the Water-Energy Nexus for Achieving SDGs”

- Regional Capacity-building Workshops on Renewable Energy, Technology Transfer
- Regional Policy Workshop on the Water-Energy Nexus

Under Sida XB project: “Promoting Food and Water Security in the Arab Region”

- First joint meeting of water and agricultural ministries under the auspices of the League of Arab States (Cairo, 4 April 2019); Next meeting planned for October 2019.
- Land and Water Days (Cairo, 31 March – 4 April 2019).

*Reporting on ESCWA measures taken in response to Recommendations (j) and (k) and (l) were reported on jointly since both recommendations focus on the management of **shared/transboundary water resources** in the Arab region.*

Recommendation (j):

Launch initiatives to build trust between Arab countries that share water resources and focus on the benefits of cooperation

Recommendation (k):

Support member States in taking into account legal frameworks that promote countries' goals at the basin and national levels

Recommendation (l):

Provide technical support and build capacity at the regional, bilateral and basin levels in the field of shared water resource management and related negotiations, and in international water law

Shared/transboundary water resources in the Arab region (Recommendations j,k,l)

Expert group meeting (Cairo, November 2017) + LAS meeting on guidelines supported by ESCWA

Expert group meeting (Beirut, December 2018) + LAS meeting on the guidelines supported by ESCWA

- Examined opportunities and challenges for cooperation on shared water resources taking into consideration the Arab region particularities;
- Discussed the draft guidance principles for shared water cooperation in the region.

Climate change impact assessment studies on shared surface water resources in Arab Domain, and initiation of discussions on groundwater

- Mejdara, Nile, El Kabir, Jordan, Tigris/Euphrates

Recommendation (m)

Build capacity to adopt a methodology for **measuring water-related indicators in the 2030 Agenda** and to incorporate the SDGs in national sustainable development plans, especially sectoral plans to **strengthen linkages** between the water sector and other development sectors.

- ***SDG 6.1 6.2, 6.3, 6.4 and 6.5***
 - The advancement on the related targets and indicators was discussed in regional consultations and expert group meetings;
 - Supported by a conceptual framework for advancing progress on the 2030 Agenda developed in ESCWA working paper on Water Security
- ***Additional Indicator: SDG 6.4.3***
 - ESCWA supported FAO in developing a proposed methodology for the “missing” indicator SDG 6.4.3 on “Percentage of Population suffering from water scarcity”;
- ***SDG 6.5***
 - ESCWA prepared two working papers on SDG 6.5.2 related to shared water resources in 2017 and 2018;
 - ESCWA prepared a Regional Baseline Report for SDG 6.5.1 on IWRM implementation in collaboration with UNEP-DHI Centre on Water and Environment in Denmark



SDG 6.5 Regional Reporting:
Includes additional information and feedback received from Arab States & AWARENET Working Group on IWRM members, including input by Palestine, which is missing from global report



Progress on Integrated Water Resources Management - Global baseline for SDG indicator 6.5.1

26 August, 2018



2019 Status Report on the Implementation of Integrated Water Resources Management in the Arab Region

A regional report for SDG indicator 6.5.1 on IWRM implementation

DRAFT 2 June 2019
 For further review and consultation

2019 Status Report on the Implementation of Integrated Water Resources Management in the Arab Region:

A regional report for SDG indicator 6.5.1 on IWRM implementation

Prepared by UNEP-DHI and ESCWA



Progress on Transboundary Water Cooperation - Global baseline for SDG indicator 6.5.2

27 August, 2018

Progress on Shared Water Resources Management in the Arab Region: Regional baseline for SDG Indicator 6.5.2 : Working Paper (2018)

Prepared by ESCWA in consultation with UNECE and UNESCO

Financial support for these regional reports provided by:





Water Scarcity:

A target without a global indicator

SDG 6.4

*“**By 2030**, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and **substantially reduce the number of people suffering from water scarcity.**”*

This Additional SDG Indicator could provide an avenue for focusing on the ‘human face’ of water scarcity and water security in the Arab region...in order to prioritize the needs of people, including vulnerable groups.

Recommendation (m) (continued)

Build capacity to adopt a methodology for measuring **water-related indicators** in the 2030 Agenda and to incorporate the SDGs in national sustainable development plans, especially sectoral plans to strengthen linkages between the water sector and other development sectors.

- **SDG 11**

National workshop for Iraq (with UNDRR) for enhancing linkages between Climate Change and Disaster Risk Reduction agendas, methodologies and actions (Beirut, Dec 2017)

- **SDG 13**

Five Regional Training Workshops on Capacity Development for Climate Change Negotiations (April 2017 to April 2019), which examined issues related to adaptation, mitigation, finance, technology transfer and agriculture;

Integrating SDGs with regional action plans and national water strategies:

ESCWA Water Development Report 8

- To be issued in 2019;
- Introduces innovative approaches to cope with water scarcity;
- Integration of SDGs targets and goals with national water plans and strategies through required institutional setups.

Recommendation (n)

Confirm the publication of a 2017 climate change evaluation report in coordination with partner organizations in RICCAR.

- ***Launched the RICCAR Publication Series:***

- Arab Climate Change Assessment Report: Main Report
- Arab Climate Change Assessment Report: Technical Annex
- Publication series comprised of technical notes, technical reports and training materials

Launched at ***High-level Meeting on Climate Change Assessment and Adaptation***
(Beirut, 26-28 September 2017)

- *Numerous ESCWA Committee on Water Resources members participate in the meeting, including Ministers from:*
 - *Egypt*
 - *Iraq*
 - *Lebanon*
 - *Palestine*
 - *Tunisia*

RICCAR Publication Series



ARAB CLIMATE CHANGE
ASSESSMENT REPORT



BOOKLET



TECHNICAL NOTES



MANUAL



TECHNICAL REPORTS

Main Report Launch in Sept 2017



See ESCWA Facebook Page for More Photos



*Reporting on ESCWA measures taken in response to Recommendations (o) and (p) will be reported on jointly since both recommendations focus on the **preparation and dissemination of scientific material on climate change challenges** facing the Arab region*

Recommendation (o)

Provide additional financial resources to support the regional knowledge hub and knowledge resources in line with regional needs to direct policies and research on climate change evaluation and adaptation;

Recommendation (p)

Support Arab institutions and researchers in preparing scientific studies and conducting peer reviews thereon to raise global awareness on the climate change challenges facing Arab countries, by providing scientific material for the Intergovernmental Panel on Climate Change.

Preparation and Dissemination of scientific material on climate change challenges facing the Arab region (*cnt'd*)

RICCAR Regional Knowledge Hub

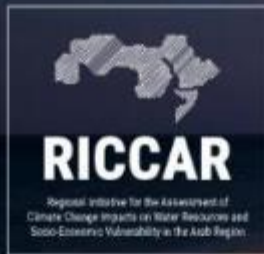
Website: Launched in June 2018 (www.riccar.org) at ESCWA Ministerial Session

Data portal: Launched in April 2019 at Land and Water Days (www.riccar.org and <https://rkh.apps.fao.org>)

Dissemination of technical material generated under RICCAR

RICCAR outcomes: High resolution maps, climate and hydrological data files and modelling projections outcomes;

Disseminated to: water-related ministries, universities and research institutions to inform climate-related scientific analysis.



Welcome to the RICCAR REGIONAL KNOWLEDGE HUB



REGIONAL INITIATIVE FOR THE ASSESSMENT OF CLIMATE CHANGE IMPACTS ON WATER RESOURCES AND SOCIO-ECONOMIC VULNERABILITY IN THE ARAB REGION



Partners



Overview



Meetings & Events



Data Portal

REGIONAL KNOWLEDGE NODES



Adaptation



ArabCOF



Water



Climate
Negotiations



Agriculture



Disaster Risk
Reduction



Food and Agriculture Organization
of the United Nations



RICCAR
Regional Knowledge Hub Data Portal

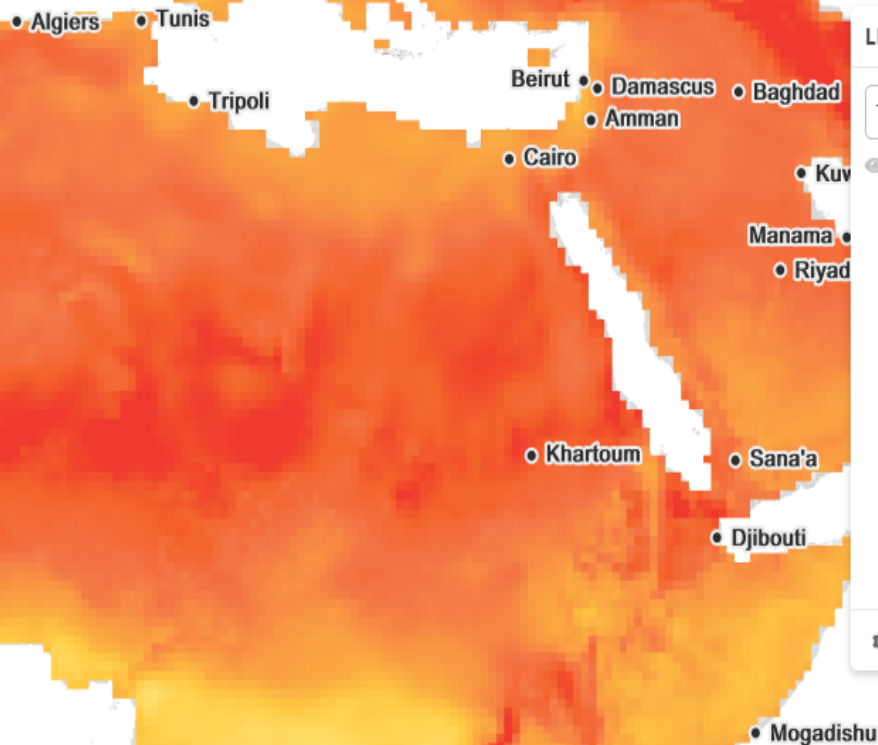
BETA RELEASE

🌐 **RICCAR Map**

My Profile

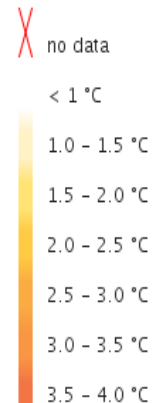
?
ABOUT

CLIMATE HYDROLOGY VULNERABILITY



LEGEND

TAS - Change in Annual Temperature (RCM) ▾



⚙ More options



ANALYSIS



LOCATE



LAYERS



CATALOG

1000 km

Preparation and dissemination of scientific material on climate change challenges facing the Arab region (*continued*)

Capacity Building on Application of Climate Change Impact and Vulnerability Assessments

- Ministry of Agriculture in Lebanon (Beirut, 26-30 November 2018);
- National Water Research Centre of the Egyptian Ministry of Water Resources and Irrigation (Cairo, 11-15 March 2018).
- Ministry of Agriculture – Tunisia (currently underway)

Additional requests for trainings on GIS applications for climate change analysis received

- Implementation is planned for the third and fourth quarters of 2019.

Egypt: Water Resource Research Institute



Reporting on ESCWA measures taken in response to Recommendations (q) and (r) will be reported on jointly since both recommendations focus on supporting member states in advancing climate work at regional and national levels.

Recommendation (q)

Assist countries in developing strategic plans to tackle climate change by determining priorities in this field, and organize regional capacity-building workshops, focusing on the importance of technology transfer, capacity-building and awareness-raising;

Recommendation (r)

Assist member States, upon their request, in the preparation of climate change project proposals for submission to donors in order to obtain the necessary funding for implementation.

Supporting member states in advancing climate work at regional and national levels (*recommendations q, r*)

- ***Arab Centre for Climate Change Policies***
 - Established at ESCWA in 2018;
 - Capacity-building activities on climate change (more than 25).
- ***Capacity Development for Climate Change Negotiations for the Arab Countries***
 - Climate finance and technology transfer, updates on the status of Arab countries' engagement with the Green Climate Fund.
- ***RICCAR RKH***
 - Technical assistance and datasets
 - Series of training workshops delivered, based on request to:
 - Water Resource Research Institute of the National Water Resources Centre of the Ministry of Water Resources and Irrigation of Egypt (Cairo, 11-15 March 2018); Ministry of Agriculture of Lebanon (Beirut, 26-30 November 2018);
 - For Lebanese and Syrian officials (Beirut, 26-28 March 2019);
 - At the request of the Higher Planning Council and Oman Water Society (Muscat, October 2018 and April 2019).

Recommendation (s)

*Prepare a programme to train national trainers in the field of **integrated water resource management and climate change adaptation**, and to prepare research proposals.*

- ***Training manual on Developing the Capacities of Arab Countries for Climate Change Adaptation by Applying IWRM Tools:***
 - Introductory chapter;
 - Set of five stand-alone modules focused on agriculture, environment, health, human settlements and economic development;
 - Available on RICCAR RKH under Adaptation Knowledge Node
- ***Technical assistance & datasets to support climate change adaptation to:***
 - ***Government Institutions:*** Ministry of Water Resources and Irrigation (Egypt), Ministry of Water and Irrigation (Jordan), Kuwait Institute for Scientific Research (Kuwait), Ministry of Agriculture and Ministry of Environment (Lebanon), Libyan National Meteorological Centre (Libya), Ministry of Environment, Water and Agriculture (Saudi Arabia), Ministry of Agriculture (Tunisia);
 - ***Partners and regional organizations:*** UNDRR (Egypt), UNEP (Kenya), Hassan II University of Casablanca (Morocco), Mohamed VI Polytechnic University (Morocco), International Center for Agricultural Research in the Dry Areas (Egypt), Climate Media Factory (Germany), etc.

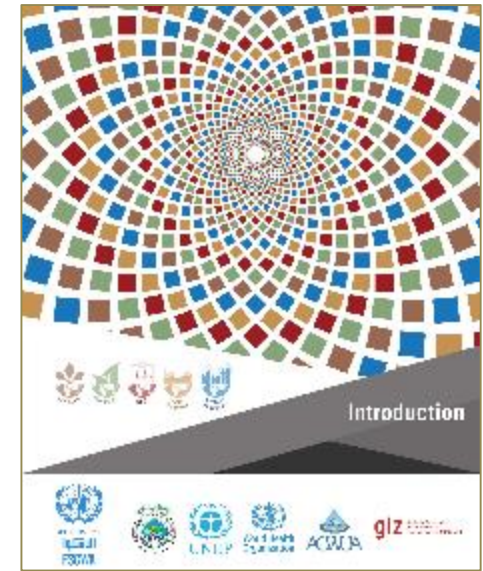
Climate Change Adaptation

United Nations Development Account Project on Developing the Capacities of the Arab Countries for Climate Change Adaptation by Applying Integrated Water Resources Management Tools

Five sector modules were developed by the following leading organizations (in coordination with ESCWA):

1. Environment module by UNEP/ROWA;
2. Agriculture module by ACSAD/GIZ;
3. Health module by WHO;
4. Human settlements (water supply and sanitation) by ACWUA;
5. Economic module by ESCWA as well as an introductory chapter for the manual.

Five workshops were held with stakeholders from each sector to review respective modules



Thank You

Economic And Social Commission For Western Asia



UNITED NATIONS

الاسكوا

ESCWA