

Supporting Climate Change Policies in the Arab Region – Regional and Global Agendas

Economic and Social Commission for Western Asia



UNITED NATIONS

الأمم المتحدة

ESCWA

Tarek Sadek

Water Resources and Climate Change Officer
Sustainable Development Policies Division

Main Climate Change Activities

Regional
Knowledge
Hub

Capacity
Development
on Climate
Change
Negotiations

Regional Initiative
on the Assessment
of Climate Change
Impacts on Water
Resources and
Socio-economic
Vulnerability in the
Arab Region
(RICCAR)

Establishment
of the Arab
Climate Outlook
Forum
(ArabCOF)

ESCWA Work
Programme
on Climate
Change and
Sustainable
Development

Implementation of
the 2030
Sustainable
Development
Agenda and
SDG's at
regional and
national levels

Implementat
ion of Water
Security
Strategy and
Action Plan

Assessment

Adaptation

Mitigation

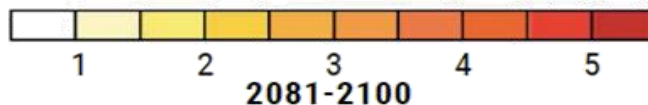
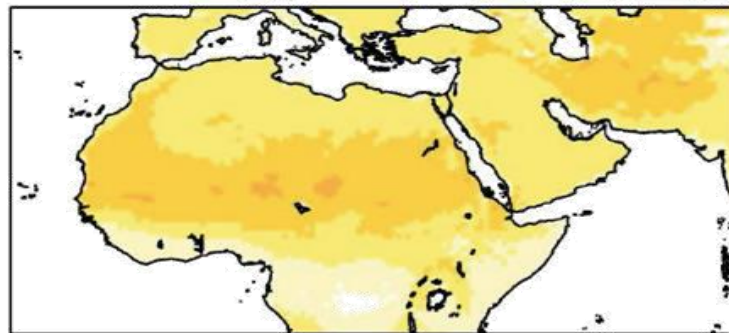
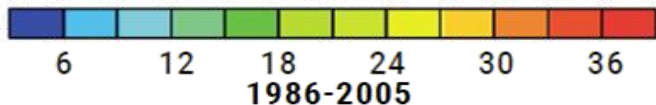
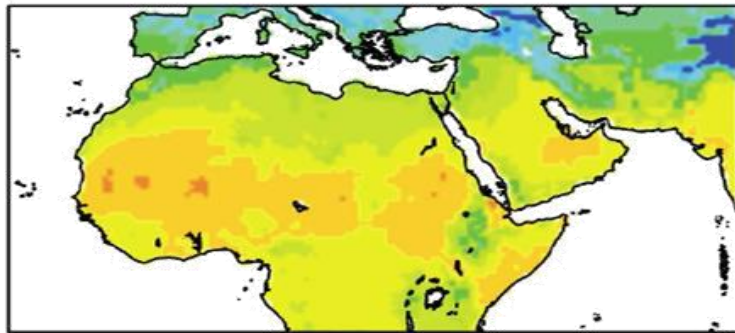
Negotiations

Meteorology

Changes in temperature for end of century (compared to reference period)

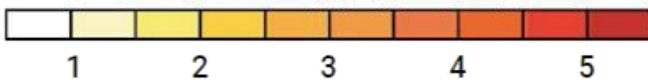
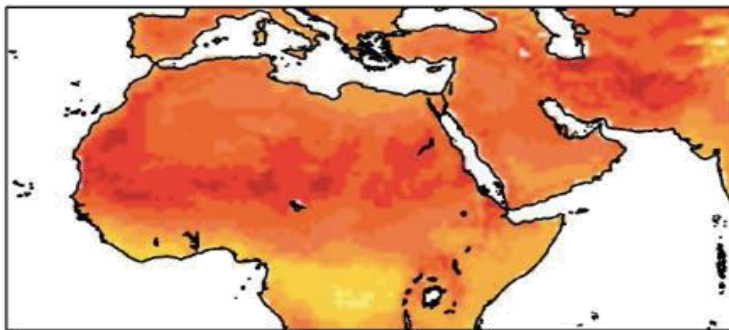
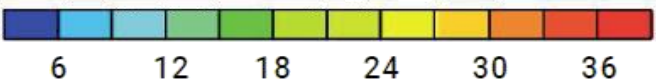
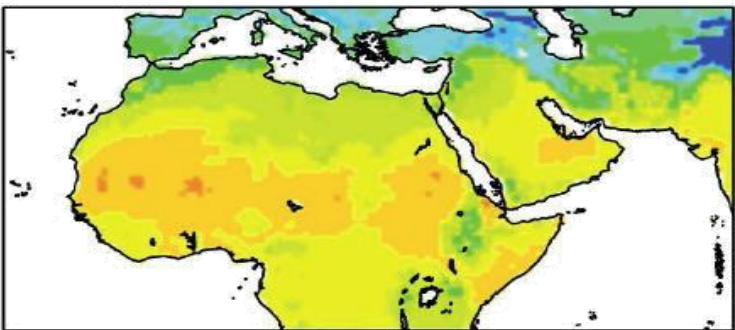
1986-2005

2081-2100



RCP 4.5

Temperature (°C)

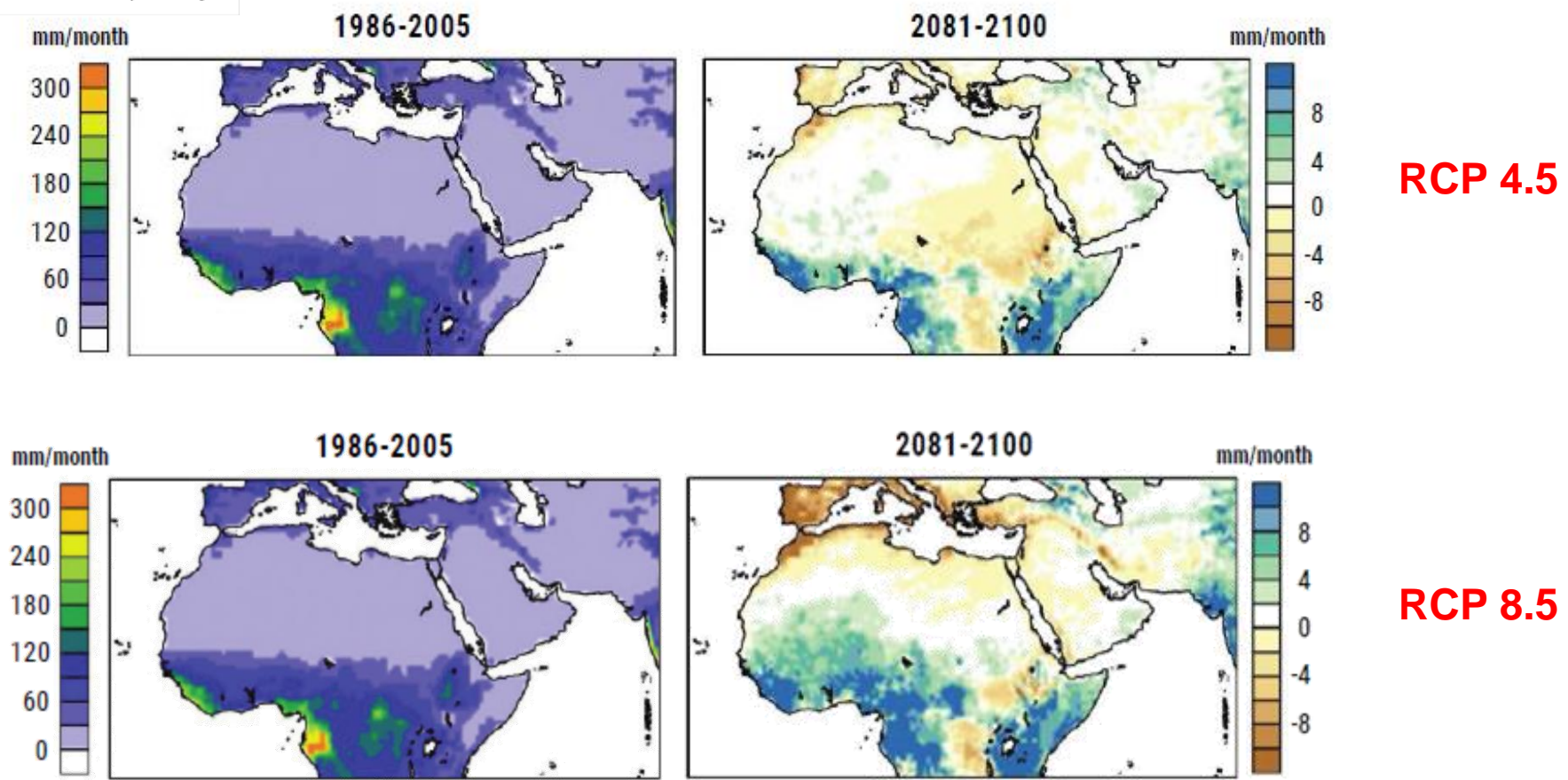


RCP 8.5

Temperature (°C)

- The general change of temperature towards shows an increase between 1 to 3°C in RCP 4.5 and from 2 to 5°C with RCP 8.5.
- The areas showing higher increase are in the Sahara area in North Africa and East Africa, including Morocco and Mauritania.
- The increasing temperature signals along the westerns shores of Yemen and Saudi Arabia under RCP 8.5 are also stronger than under RCP 4.5 in comparison with the rest of the Arabian peninsula.

Changes in precipitation for end of century (compared to reference period)

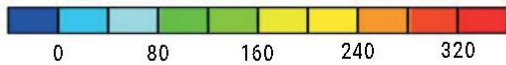
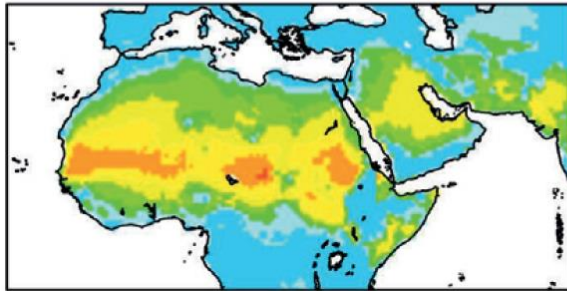


- Both scenarios show a reduction of the average monthly precipitation reaching 8-10 mm in the coastal areas of the domain, mainly around the Atlas Mountains in the West and upper Euphrates and Tigris river basins in the East.

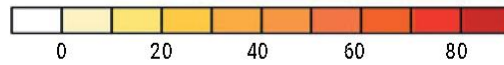
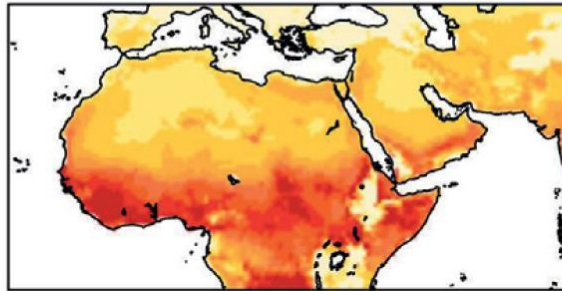
Temperature – “Hot” days (>35°C)

RCP 4.5

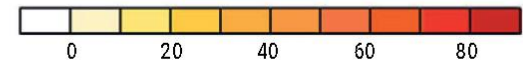
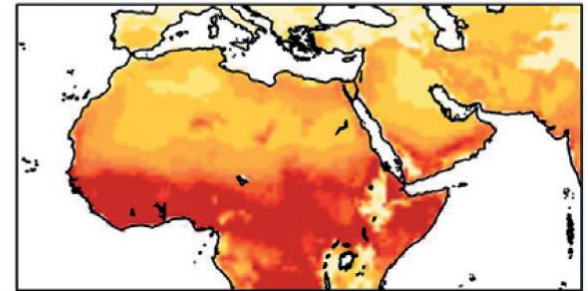
1986-2005



2046-2065



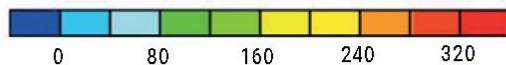
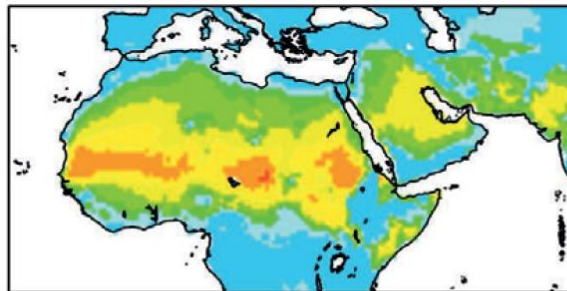
2081-2100



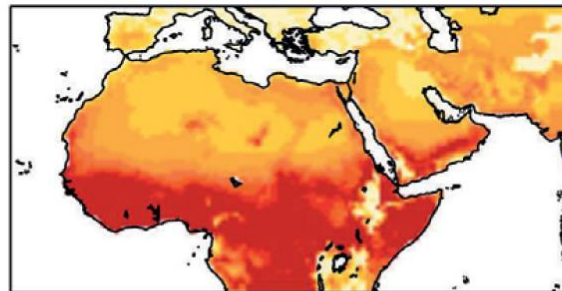
Number of days/year

RCP 8.5

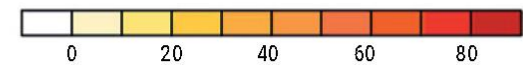
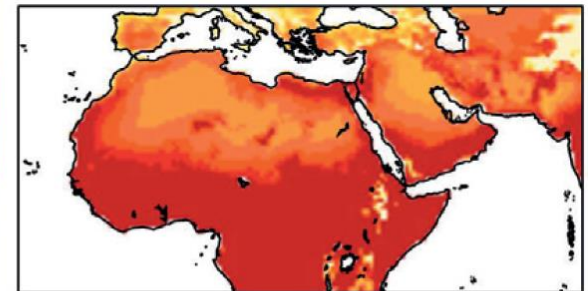
1986-2005



2046-2065



2081-2100



Number of days/year

Institutional Strengthening

- **Increasing** data availability through Climate Data Rescue
- **Fostering** an Arab Climate Outlook Forum
- **Developing** Disaster Loss Databases
- **Establishing** a Regional Knowledge Hub for informing policy & research through RICCAR Publication Series & Data Portal

Main Report



Technical Notes



Training Manuals



Technical Reports



Peer
Reviewed
Journal
Articles for
IPPC use





Regional Initiative for the Assessment of
Climate Change Impacts on Water Resources and
Socio-Economic Vulnerability in the Arab Region

Report



ARAB CLIMATE CHANGE ASSESSMENT REPORT

MAIN REPORT

Regional Initiative for the Assessment of Climate Change Impacts on Water Resources and Socio-Economic Vulnerability in the Arab Region

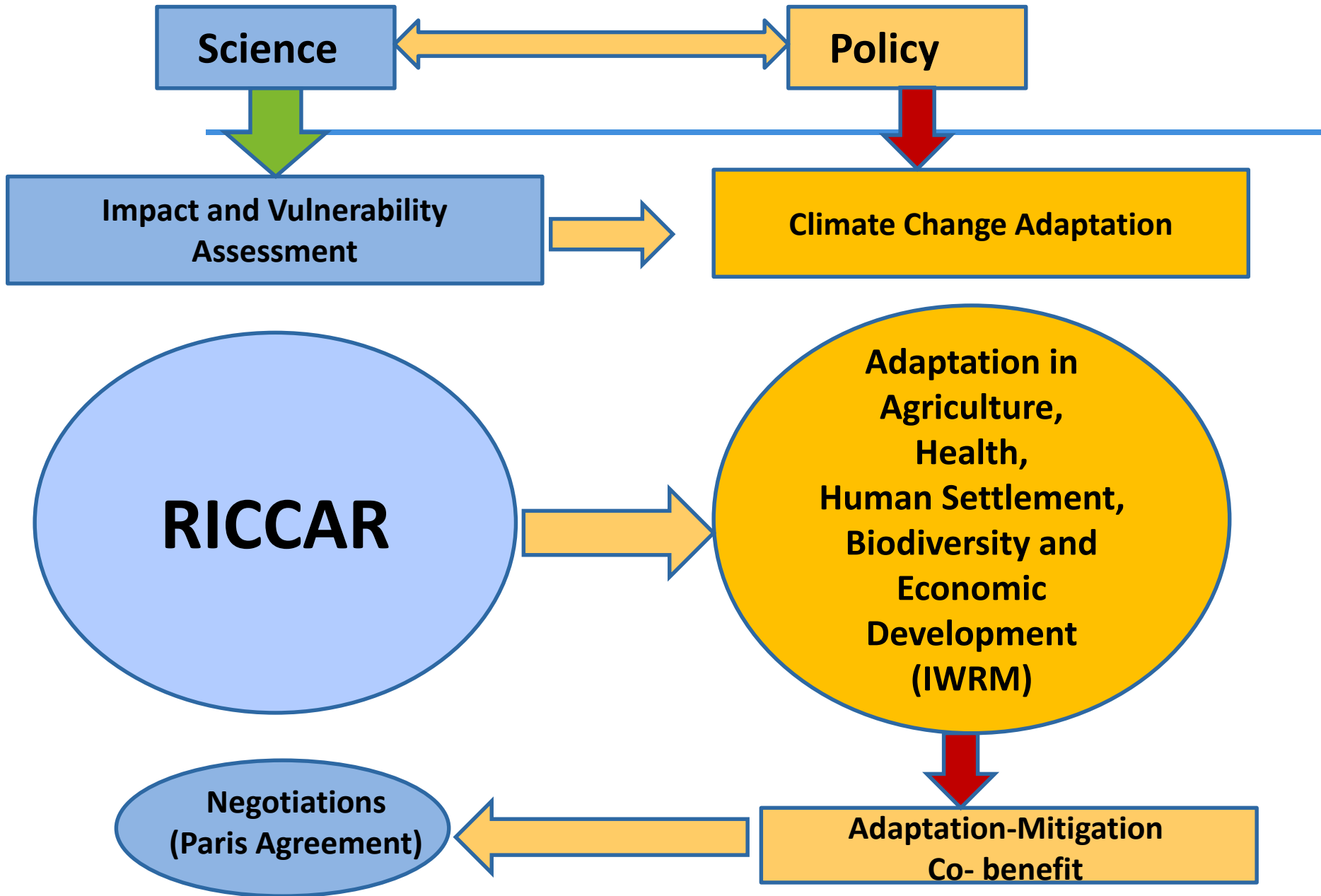


ARAB CLIMATE CHANGE ASSESSMENT REPORT

TECHNICAL ANNEX

Regional Initiative for the Assessment of Climate Change Impacts on Water Resources and Socio-Economic Vulnerability in the Arab Region

Linking Climate Science to Policy, Adaptive Strategy and Mitigation



Developing the Capacities of Arab Countries for Climate Change Adaptation Using IWRM Tools



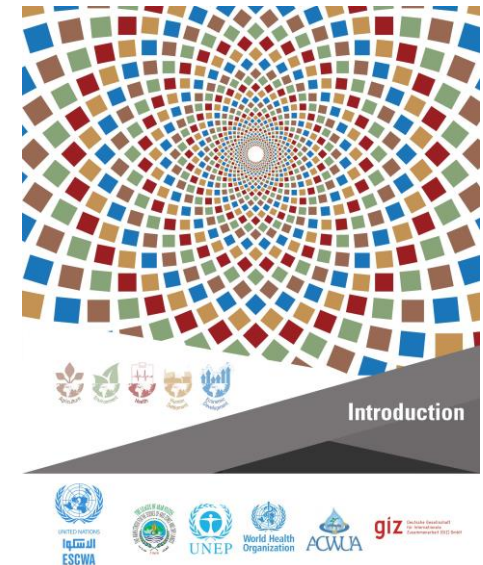
Climate Change Adaptation

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



Supporting Arab States in Climate Change Negotiations

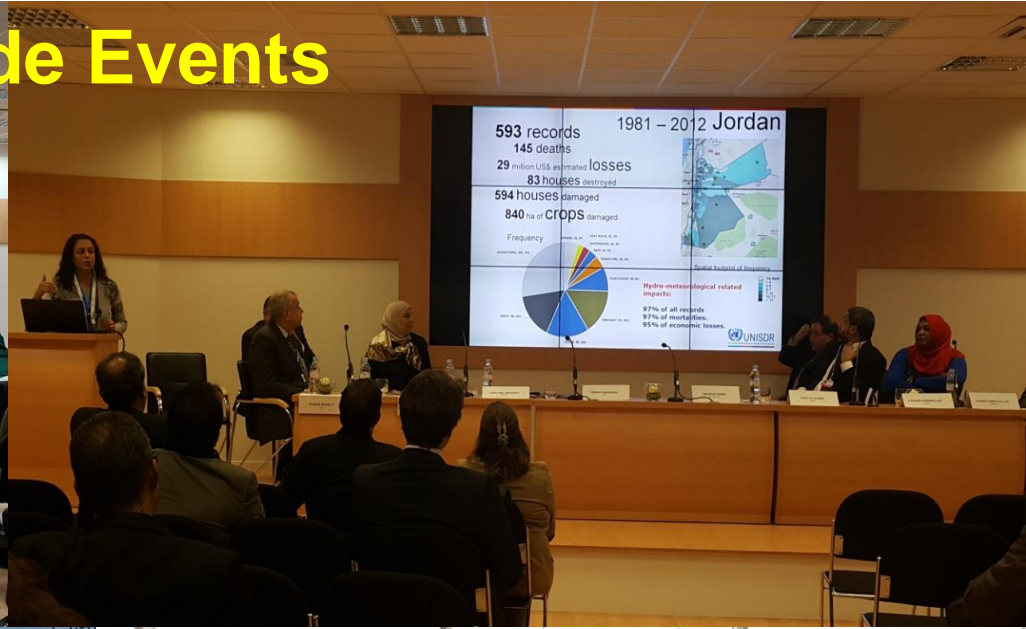
Regional Training Workshops on Capacity Development for Climate Change Negotiations for the Arab Countries (11 Workshops since October 2013 and the 12th Workshop in Beirut, 7-8 April 2019)

- Latest outcomes and issues for negotiation related to the Paris Agreement on adaptation, mitigation, finance, technology, carbon markets, trade, etc.
- Adaptation as an element of the NDCs and defining an adaptation global goal and implementation of Article 4.7;
- The proposed transparency mechanism and balancing transparency of action and support;
- The finance component of the PAWP package (Articles 9.5 and 9.7);
- Technology framework implementation and opportunities for support;
- NDCs features, information and accounting; and
- Regional positions and priorities for action.
- Discuss how to access finance through the Green Climate Fund (GCF) and provide technology assistance through the Climate Technology Centre and Network (CTCN), with a view to helping States to meet the targets set out in their Nationally Determined Contributions (NDCs).

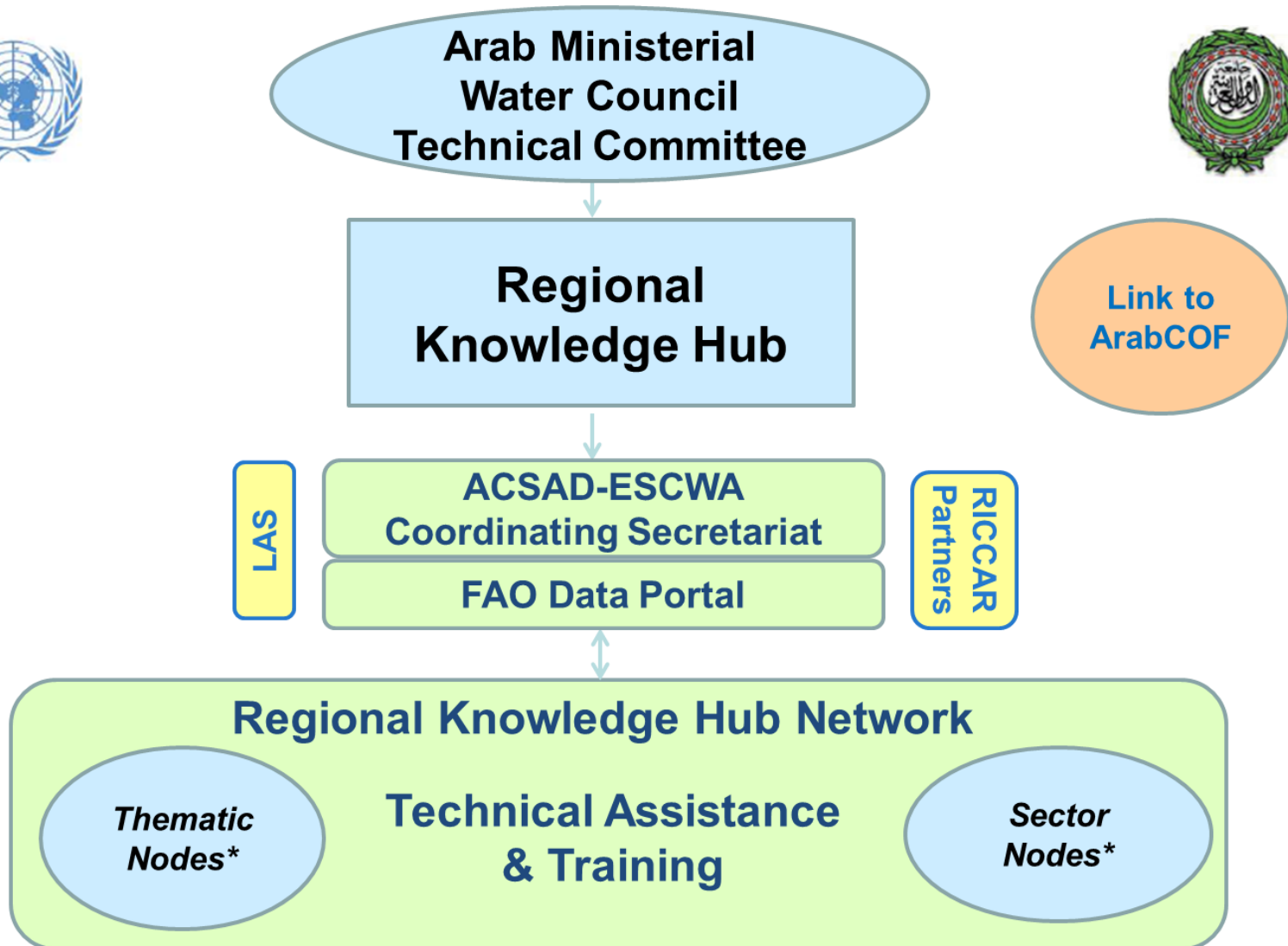


Supporting Arab States in Climate Change Negotiations

COP Side Events



Regional Knowledge Hub



* tbc

Accessibility links

WEBSITE

- Updated version of the RICCAR website
- Resources on related activities & events



DATA PORTAL

- Comprehensive RICCAR-related data repository
- Functionalities: search, consult, export, visualize data

Regional Knowledge Nodes

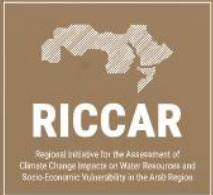
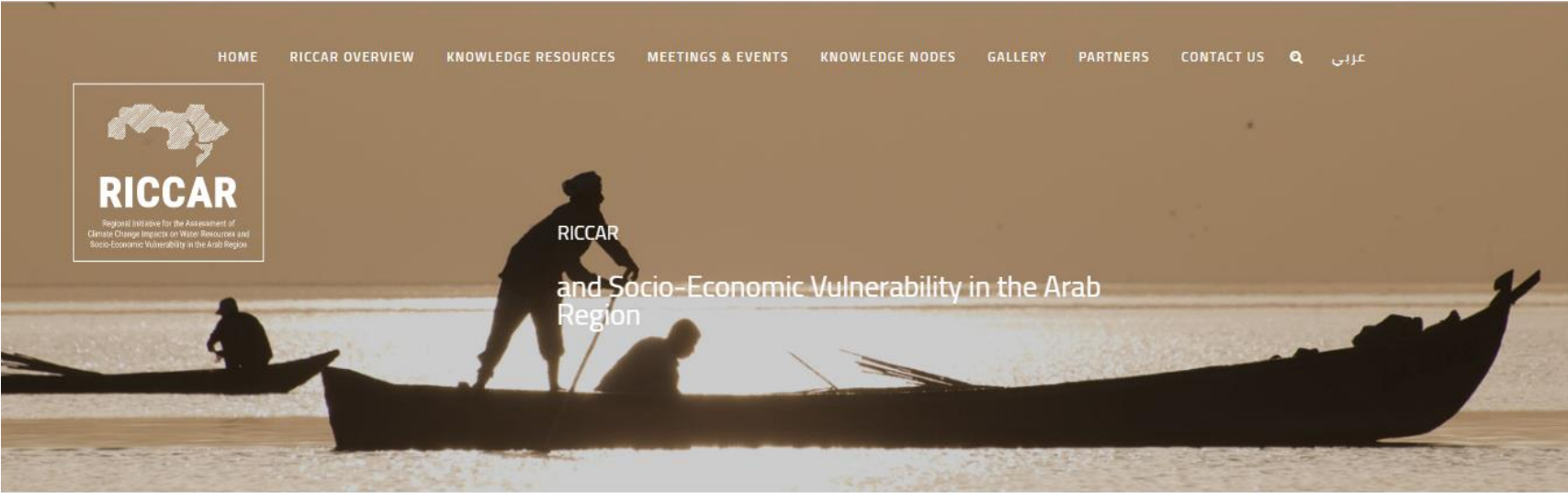
Negotiations

Water

Climate
Services

DRR

Agriculture



RICCAR
and Socio-Economic Vulnerability in the Arab
Region



Overview

Duis nec aliquet massa, sed dapibus



Partners



Meetings & Events

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Data Portal

Duis nec aliquet massa, sed dapibus

KNOWLEDGE NODES

KNOWLEDGE NODES

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Climate

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Climate



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Agriculture

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KNOWLEDGE NODES

Disaster Risk Reduction

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Disaster Risk Reduction

Arab Centre for Climate Change Policies

Vision

The Arab Centre for Climate Change Policies aims to strengthen the capacity of Arab States to better understand and address the implications of climate change for sustainable development in the Arab region.

Arab Center for Climate Change Policies: Pillars of Work

Technical Assistance & Advisory Services

Development Planning

Assessment & Adaptation

Mitigation

National Determined Contributions

Disaster Risk Reduction

Capacity Building & Institutional Strengthening

Climate-related Modeling in Key Sectors (Water, Agriculture, Ecosystems, People)

Negotiations

Finance & Technology Transfer

Research & Applied Case Studies

Regional Platforms & Policy Dialogue

Arab Group of Negotiators (under CAMRE)

Regional Preparations for Global Agreements

Arab Climate Outlook Forum

Stakeholder Engagement

Integrated Responses

WEF Security Nexus

Science-Policy Interface

Vulnerable Groups

Means of Implementation

Access to Regional Knowledge

RICCAR Regional Knowledge Hub

Intergovernmental Process & Stakeholders Support

GIS Tools & Applications

Data & Analysis to inform Policy

Programme Mandated by the **ESCWA Ministerial Council** in June 2018
Welcomed by the AMWC, APCM and Arab Group (CAMRE)



Partnerships on Water-Energy-Food Security & Climate Action



SMHI



ACSAD



The United Nations Office for Disaster Risk Reduction



UNU-INWEH

ACCWaM



United Nations Educational, Scientific and Cultural Organization



International Renewable Energy Agency



البنك الإسلامي للتنمية
Islamic Development Bank



german cooperation

DEUTSCHE ZUSAMMENARBEIT

Implemented by
giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

2019

Global

World Future Energy Summit
(12th session)
Abu Dhabi
IRENA Assembly
Abu Dhabi

UN Environment Assembly
(UNEA-4)

World Water Day
(Leave No One Behind)

Vienna Energy Forum

3rd World Conference on DRR
(Geneva, 13-17 May)

HLPF under ECOSOC



9-18 July

HL Dialogue on Financing for Development

UN Climate Summit

23 Sept

HLPF under General Assembly

24-25 Sept

UN Convention to Combat Desertification
(UNCCD COP14, China)

UNFCCC COP25
11-22 November
(Chile, tbc)

Committee on World Food Security (FAO)
Rome

World Water Week Stockholm
(Leave No One Behind)

10th International Forum for Energy for Sustainable Development

January February March April May June July August September October November December

5th Arab Water Week (ACWUA) Dead Sea, Jordan 3-5 March

13th Gulf Water Conference (WSTA) Kuwait 12-14 March

AOAD Executive Bureau (KSA, 20 March)

Regional Consultation on Climate Change for the 2019 AFSD & HLPF
Beirut, 21-22 March

2nd Land & Water Days
Cairo, 31 March-3 April

Joint Meeting of Water & Agriculture Ministers
(Cairo, 4 April)

Arab Ministerial Council for Electricity + Committee of Experts on RE & EE (Cairo, 13th session)

Workshop for Arab Climate Change Negotiators
(Beirut, 7-8 April)

Beirut Water Week 8-10 April

Arab Forum for Sustainable Development (AFSD)
(Beirut, 9-11 April)

Arab Permanent Committee for Meteorology (APCM) (Cairo 22-24 April)

AMWC Technical, Scientific & Advisory Committee Session

Arab Ministerial Water Council (AMWC) (11th session) Egypt

ESCWA ExCom

ESCWA Energy Committee IGM

WEF Nexus EGM

ESCWA Water Resource Committee IGM

LAS Arab Ministerial Council for Electricity-Energy Committee of Experts on RE & EE

International Beirut Energy Forum

JCEDAR/CAMRE Ministerial Session Cairo

Regional Workshop for Climate Change Negotiators (KSA)

Cairo Water Week Cairo, 20-24 October

AOAD General Assembly (36th session) 2019 or 2020 (tbd)

ESCWA Expert Group on Fossil Fuels Beirut

Regional

SDPD Calendar of Engagements at Global and Regional Levels - 2019



UNITED NATIONS
العربية
ESCWA

2020

Expo 2020
Dubai

Global

WFES
(13th session)
Abu Dhabi

IRENA
Assembly
Abu Dhabi

World Water Day
(Water & Climate)

Vienna Energy Forum

HLPF Review Year



11th International Forum on Energy for Sustainable Development

World Water Week Stockholm
(Water & Climate)

Committee on World Food Security (FAO)
Rome

UN Conference on Biological Diversity (COP15)
China

UNFCCC COP26
(Paris Agreement Implementation Year)

January February March April May June July August September October November December

RCREE Board of Trustees Meeting

Regional Preparatory Meeting on the Environment for the 2020 AFSD & HLPF

Regional Preparatory Meeting on WEF Security Interlinkages for the 2020 AFSD & HLPF (tbc)

Arab Forum for Sustainable Development (AFSD)

LAS Arab Ministerial Council for Electricity + Committee of Experts on RE & EE

Arab Permanent Committee for Meteorology (APCM) Cairo

Arab Ministerial Council on Meteorology and Climate (4th session)

FAO Regional Conference for the Near East

5th Arab Forum on Renewable Energy & Energy Efficiency (ARFREEE) (once every 2 years)

Arab Ministerial Water Council (AMWC) (12th session)

Regional Preparatory Meeting on Water & Sanitation for UN High Level Meeting (tbc)

LAS Arab Ministerial Council for Electricity-Energy Committee of Experts on RE & EE

International Beirut Energy Forum

Arab Water Forum Cairo

JCEDAR/CAMRE Ministerial Session Cairo

OAPEC Ministerial Council

Cairo Water Week Cairo

AOAD General Assembly (36th session) 2019 or 2020 (tbd)

ESCWA Expert Group on Fossil Fuels Beirut

Regional

SDPD Calendar of Engagements at Global and Regional Levels - 2020



Thank you

Economic and Social Commission for Western Asia



UNITED NATIONS

الاسكوا
ESCWA