

### Arab Initiative for Mobilizing Climate Finance for Water Introduction and Overview

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## Arab Initiative for Mobilizing Climate Finance for Water

 ESCWA and the League of Arab States jointly launched the Arab Initiative for Mobilizing Climate Finance for Water at the United Nations 2023 Water Conference, as a Water Action Agenda commitment of the Water Action Decade 2018-2028.



The core partners of the initiative are:

- League of Arab States the Technical Secretariat of the Arab Ministerial Water Council and the Technical Secretariat of the Council of Arab Ministers Responsible for the Environment
- ESCWA,
- IsDB,
- GCF,
- FAO,
- Government of Sweden.

and in collaboration with:

- Arab Centre for the Study of Arid and Drylands (ACSAD)
- Arab Fund for Economic and Social Development (AFSED)

https://sdgs.un.org/partnerships/arab-initiative-mobilizing-climate-finance-wateraim-climate-finance-water





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# Arab Initiative for Mobilizing Climate Finance for Water

To increase access to climate finance for Arab States, the initiative:

- Promotes understanding and awareness on the importance of climate-resilient investments in the water sector
- Supports capacity development efforts to strengthen the climate rationale for water projects and to develop bankable project pipelines.

It also builds upon:

- The knowledge base developed under the collaborative Regional Initiative for the Assessment of Climate Change Impacts on Water Resources and Socio-Economic Vulnerability in the Arab Region (RICCAR) that is coordinated by ESCWA, and
- the Water Scarcity Initiative coordinated by FAO,
- Both supported by the Government of Sweden.

Under the initiative, the following activities are being implemented:

- 1. Climate finance policy brief focused on the water sector (2023)
- 2. The Arab Forum for Mobilizing Climate Finance for Water, held during MENA Climate Week (10 October 2023)
- 3. Workshop on costing adaptation (2024-2025)
- 4. Tailored training and technical support on the preparation of evidence-based project pipelines on climate finance for water, including national, regional and multi-country projects (2024-2025).



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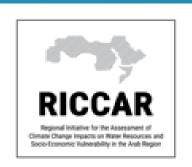
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Climate finance for water in the Arab region

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### Climate Rational for Water Projects: Overview on Regional Initiative for the Assessment of Climate Change Impacts on Water Resources and Socio-Economic Vulnerability in the Arab Region (RICCAR)



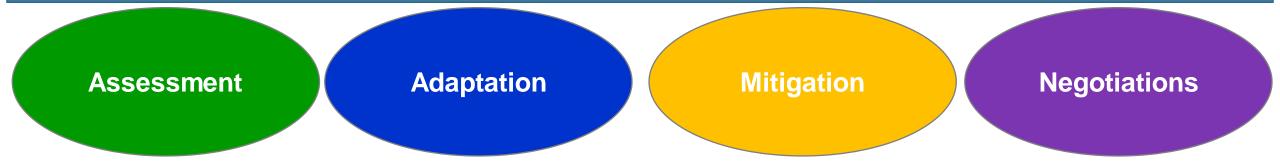




# **RICCAR Objective and Purpose**

Objective: To assess the impact of climate change on freshwater resources in the Arab Region through a consultative regional initiative that scientifically identifies the socioeconomic and environmental vulnerability caused by climate change impacts on water resources based on regional specificities.

Purpose: To provide a <u>common platform for assessing</u>, <u>addressing and informing response</u> to climate change impacts on freshwater resources in the Arab region by serving as the basis for <u>dialogue</u>, <u>priority setting</u> and <u>policy formulation</u> on <u>climate change at the regional</u> level.







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Shared Prosperity Dignified Life

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





# F CO







Mashreq Domain Data Portais

**KNOWLEDGE RESOURCES** 

The central aim of this Regional

DATA PORTAL

data repository.

The data portal allows

interactive visualization of RICCAR

maps and provides access to RICCAR

Knowledge Hub is to provide access to

information that can facilitate cooperation, coordination, dialogue and exchange among Arab States, organizations



#### KNOWLEDGE NODES

Innovation of National, Regional and International Nodes for the Transfer and Sharing of Knowledge

Arab Doma

#### PARTNERSHIPS

Strategic partnerships for supporting strategic objectives to implement climate change adaptation and mitigation programs at the national and regional levels





Cairo



Science for resilient livelihoods in dry areas



Request Data

DATA PORTALS

www.riccar.org

Mashreq Domain

Arab Domain

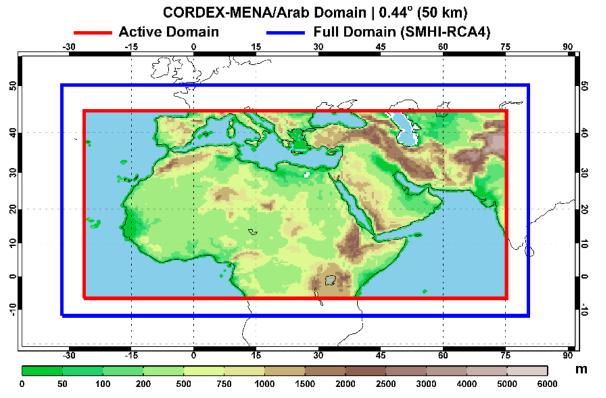




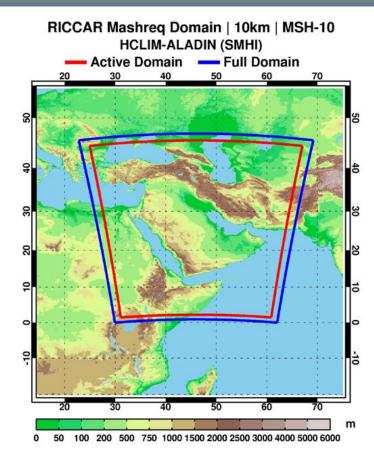




# **RICCAR Regional Domains**

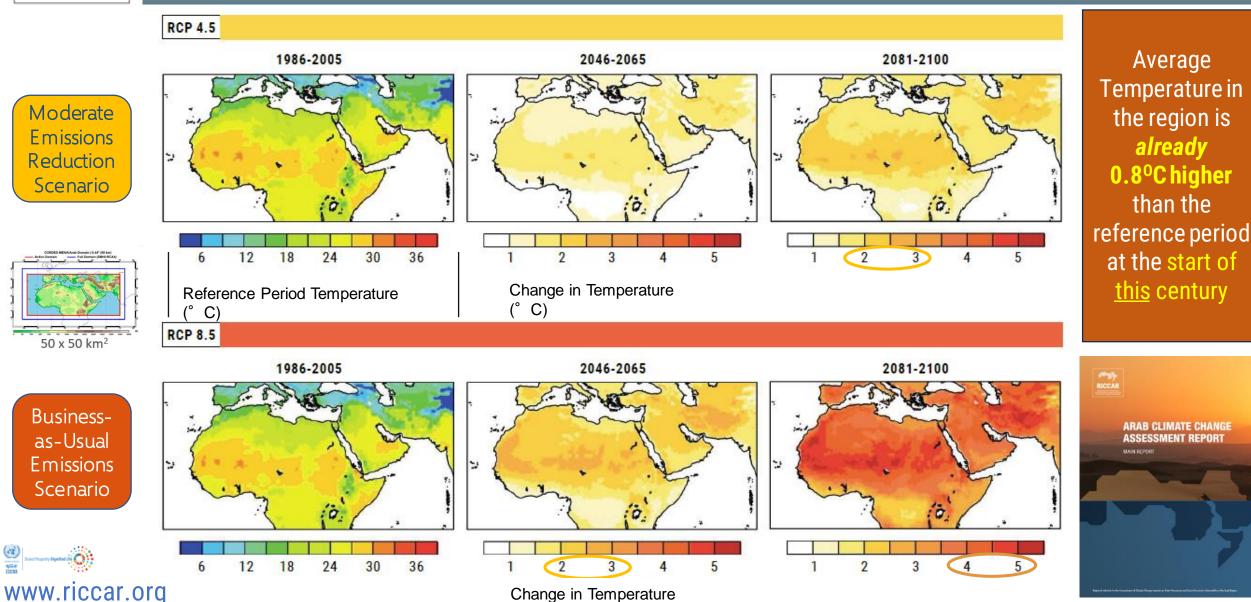


- CMIP5 Models
- RCP Scenarios (RCP4.5 and RCP8.5)
- 50 km resolution
- Bias-adjusted outputs
- Domain vetted by the WCRP Coordinated Regional Climate Downscaling Experiment (CORDEX)
- Time period: 1986-2100



- CMIP6 Models
- SSP Scenarios (SSP2-4.5 and SSP5-8.5)
- 10 km resolution
- Bias-adjusted output
- Time period: 1995-2060

# Average **Temperature** projected to **increase 2.6°C by mid-century** and up to **4.8°C by end-century** compared to reference period (1986-2005) in region



RICCAR

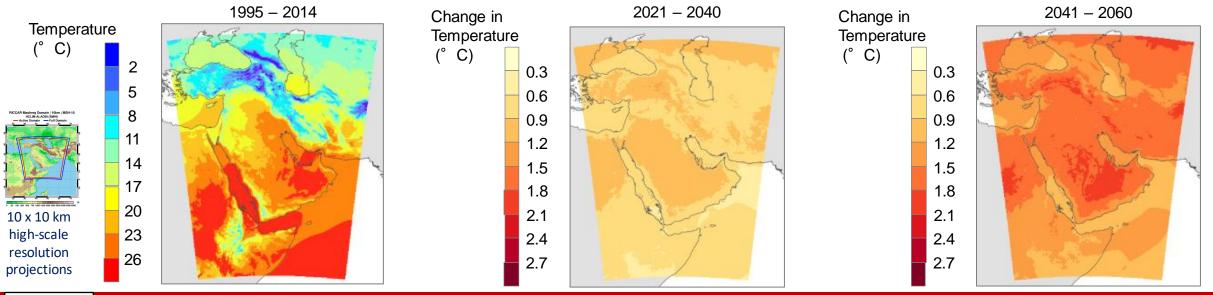
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### Projected Change in Annual Temperature – Mashreq Domain

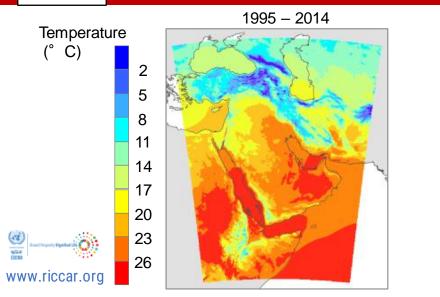


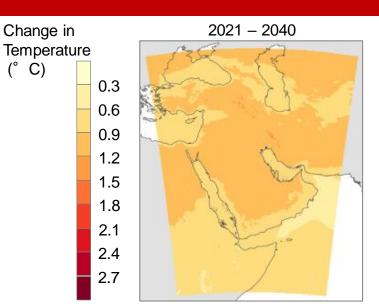
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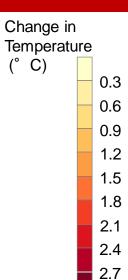
RICCAR

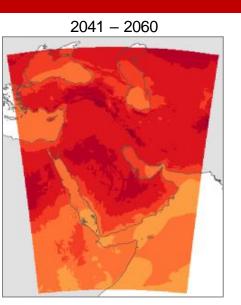


### SSP5-8.5









### RICCAR RICCAR Manual Mathematical States and Manual Ma Manual Manua Manual Manu

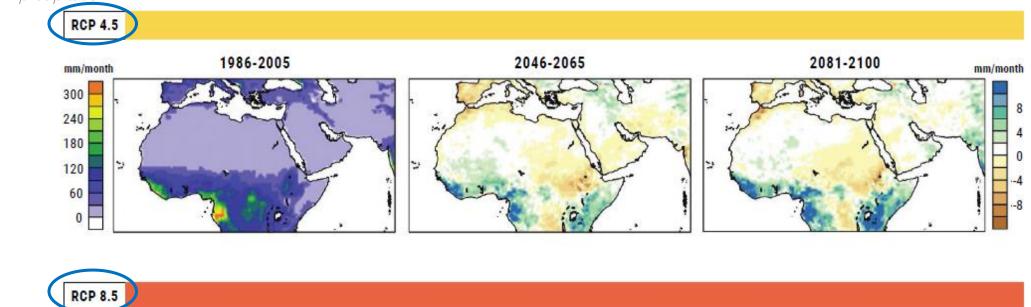
Moderate

Climate

Scenario

# **Precipitation Projected to be more Variable**

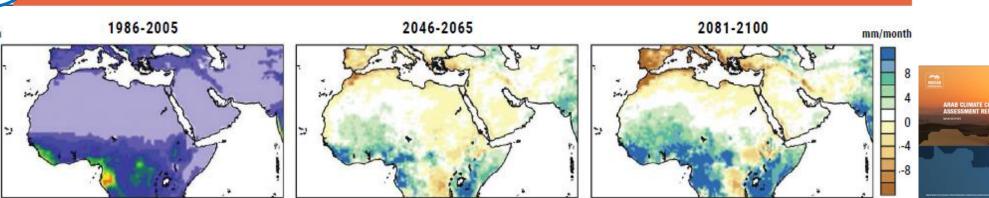
Precipitation trends are largely decreasing across the region, though limited areas expected to exhibit an increase in the intensity and volume of precipitation





120 60 0

Climate Scenario 180



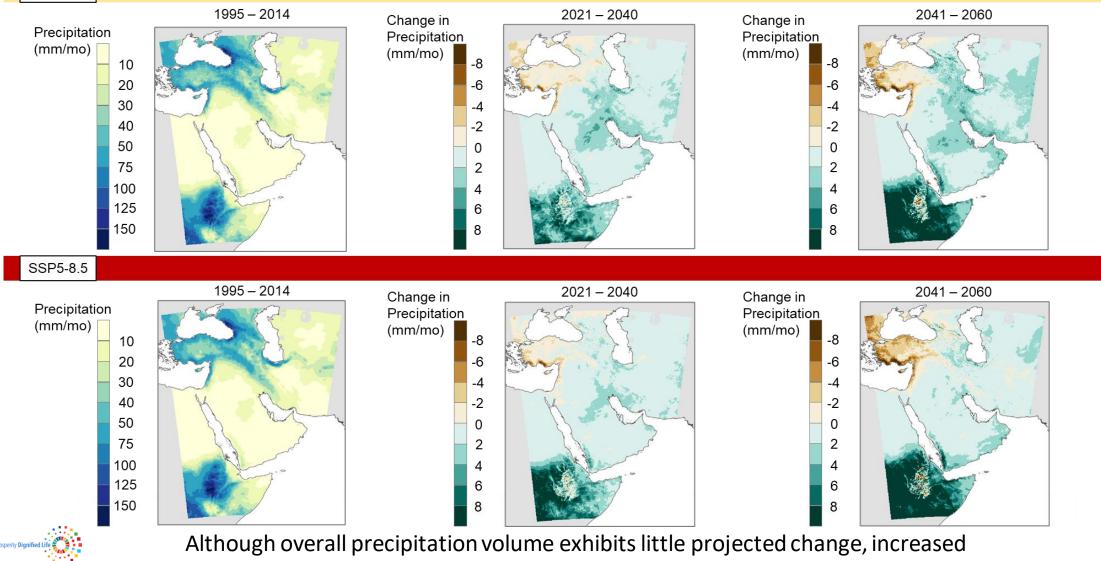




### Projected Change in Annual Precipitation – Mashreq Domain

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SSP2-4.5



interannual and seasonal variability is expected

www.riccar.org

UNITED NATIONS



# RICCAR Regional Knowledge Hub (www.riccar.org)



About Data Portals - Knowledge Resources - Meetings & Events - Knowledge Nodes Partners

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

### KNOWLEDGE RESOURCES

The central aim of this Regional Knowledge Hub is to provide access to information that can facilitate cooperation, coordination, dialogue and exchange among Arab States, organizations

#### DATA PORTAL

The data portal allows interactive visualization of RICCAR maps and provides access to RICCAR data repository.



#### KNOWLEDGE NODES

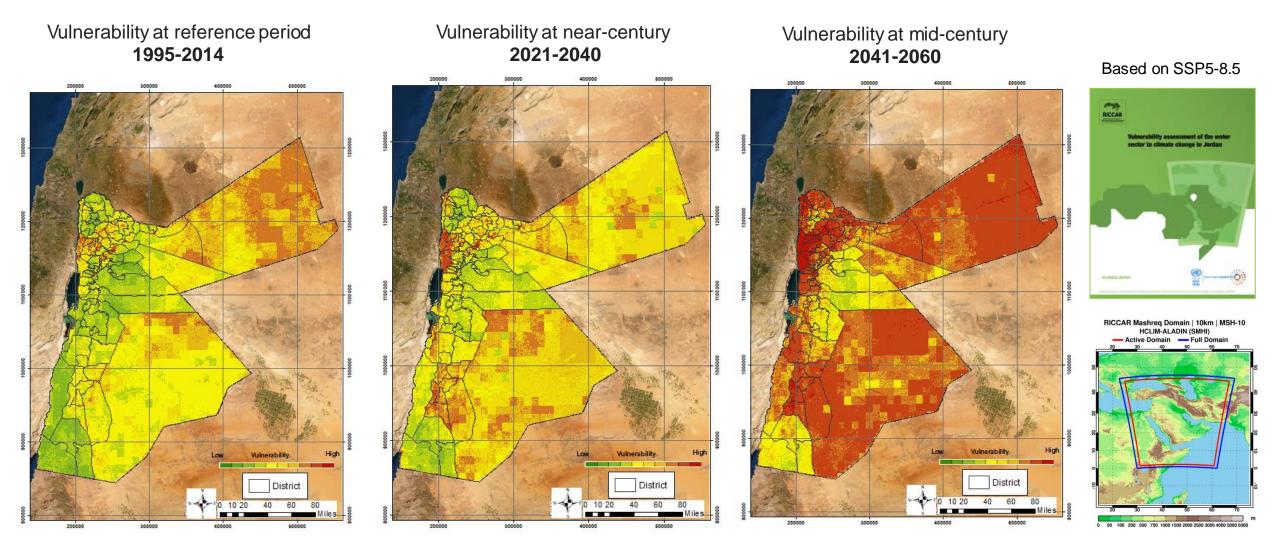
Innovation of National, Regional and International Nodes for the Transfer and Sharing of Knowledge

#### PARTNERSHIPS

Strategic partnerships for supporting strategic objectives to implement climate change adaptation and mitigation programs at the national and regional levels





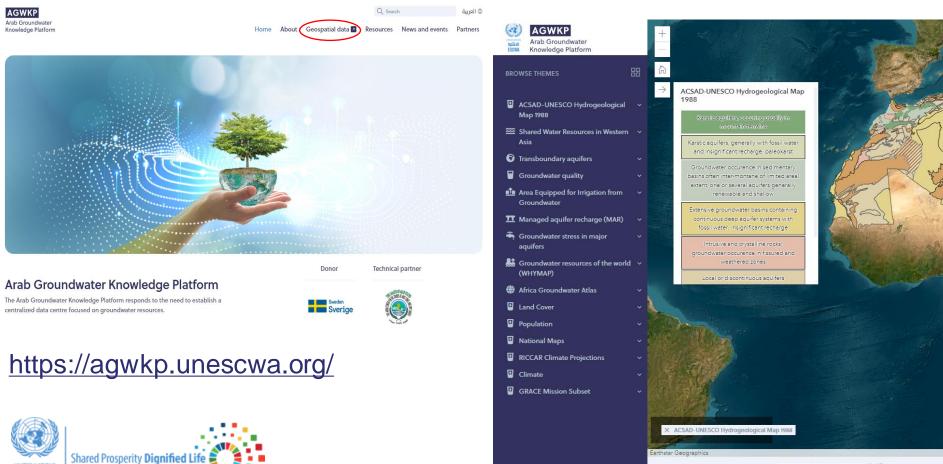




Vulnerability Assessments help to identify priority needs and where to target investments & assistance, including in Climate/SDG Debt Swap support that ESCWA is providing to Jordan

https://www.unescwa.org/publications/vulnerability-assessment-water-sector-climate-change-jordan

### Arab Groundwater Knowledge Platform



AGWKP

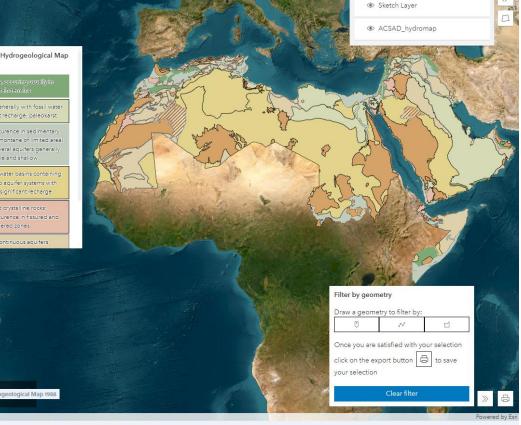
Arab Groundwate

Knowledge Platform

centralized data centre focused on groundwater resources.

INITED NATION

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# Arab Initiative for Mobilizing Climate Finance for Water Way forward

Results of this session will be reported to the:

- Arab Ministerial Water Council in 2024
- ESCWA Water Resource Committee in 2025
- Water Action Decade commitments global website



### Inform:

• Global and regional preparations for the UN 2026 Water Conference

Focus with initiative partners on remining activities:

- Organization of workshop on costing adaptation (2024)
- Demand-driven tailored training and technical support on the preparation of evidence-based project pipelines on climate finance for water, including national, regional and multi-country projects (2024-2025).



https://sdgs.un.org/partnerships/arab-initiative-mobilizingclimate-finance-water-aim-climate-finance-water







# Thank you

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