

Reimagine the future
for every child

UNICEF MENA Accelerator on Climate Change and Water Scarcity



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for every child

11 June 2022

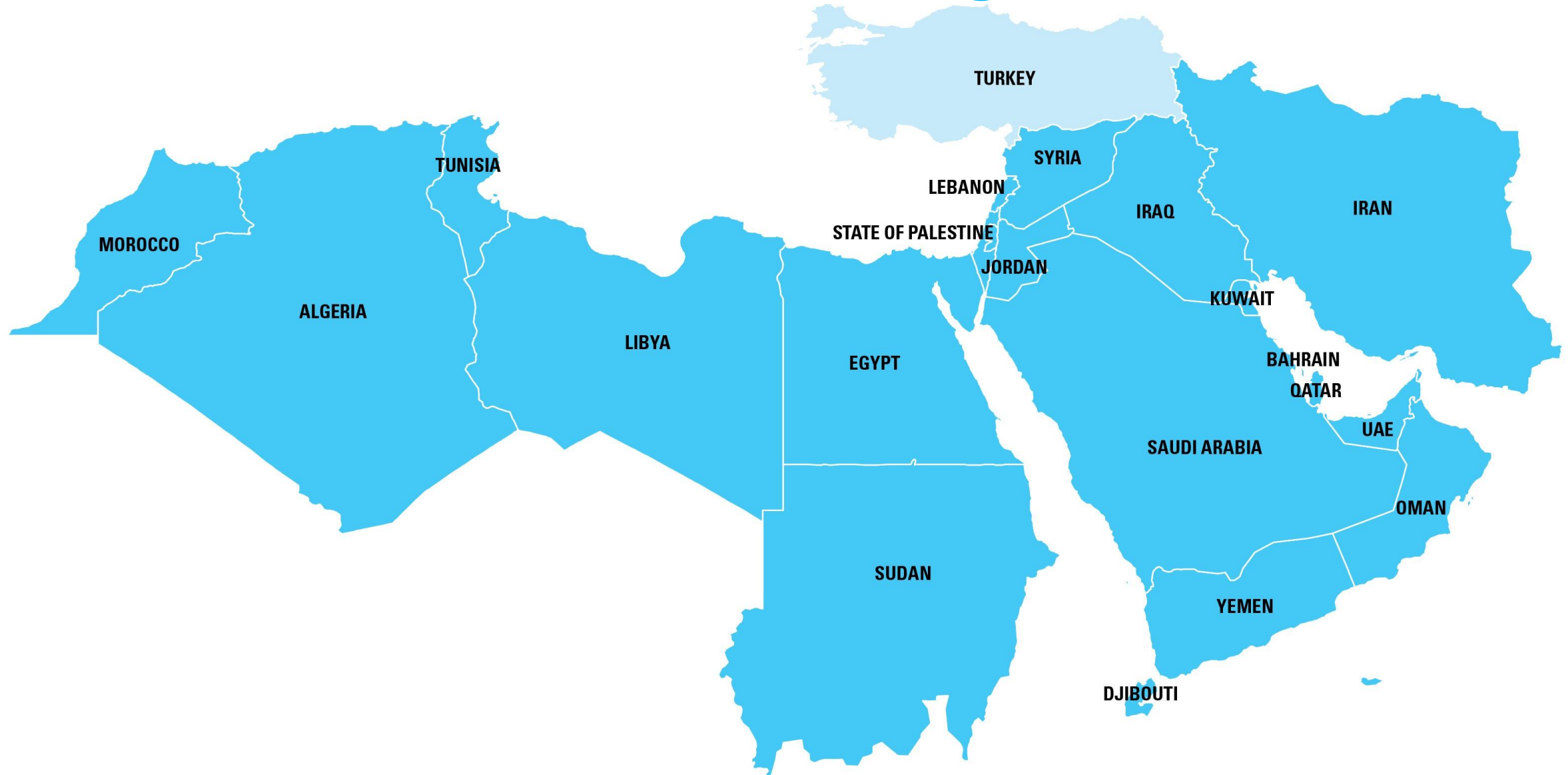
Accelerator on Climate Change and Water Scarcity



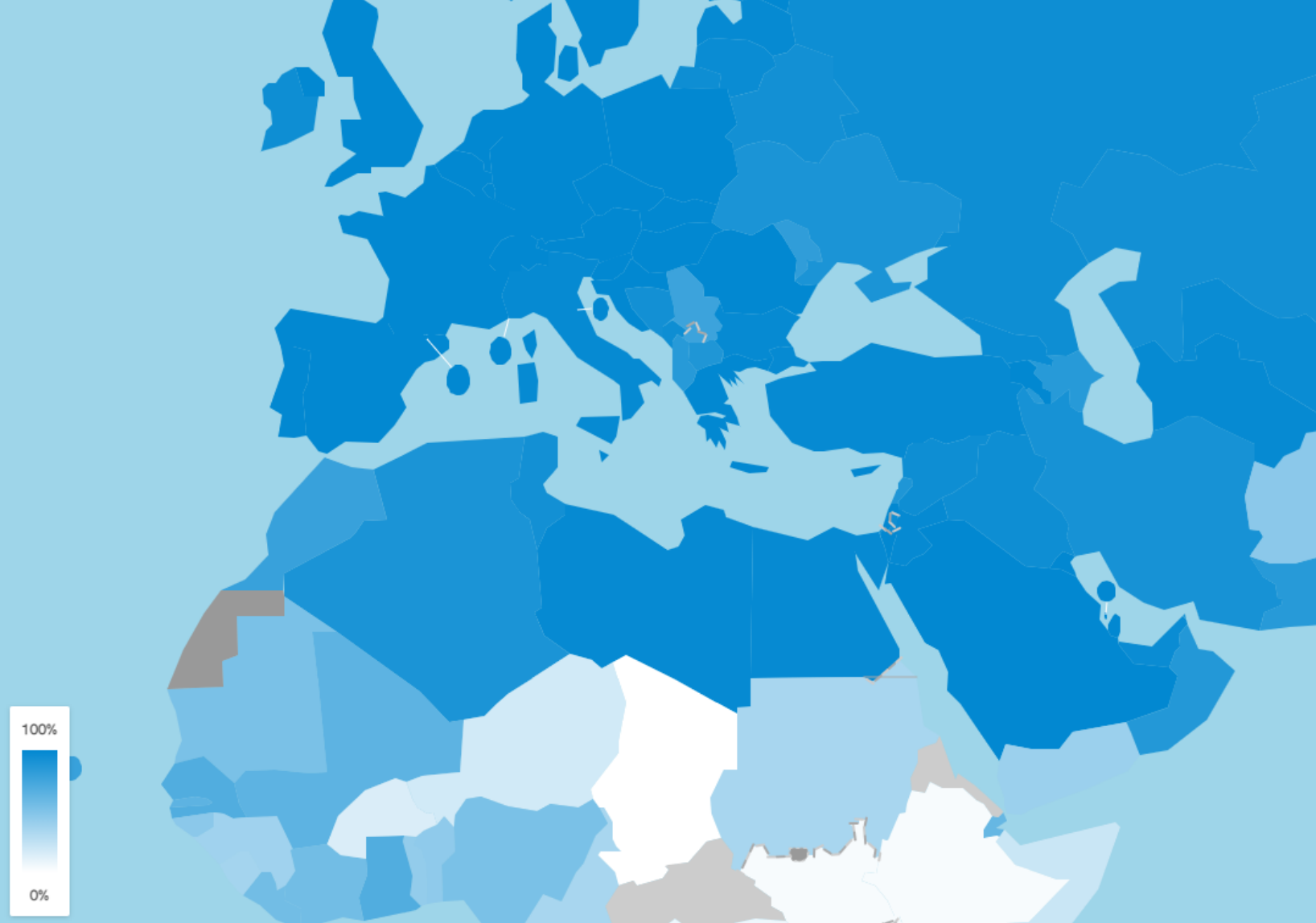
- Overview
- Accelerator on Climate Change and Water Scarcity
- Lessons learnt and recommendations

Overview

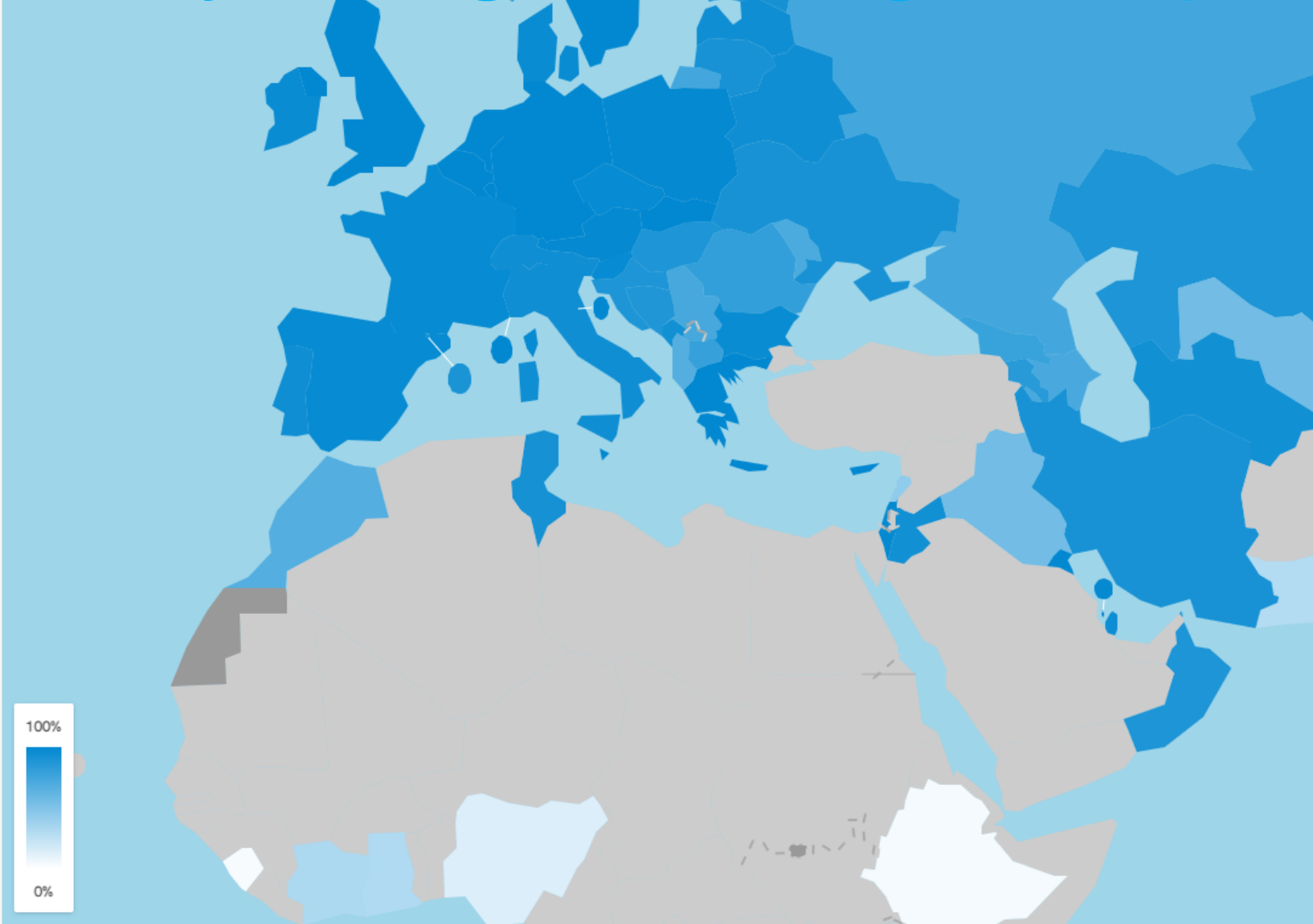
UNICEF MENA Region



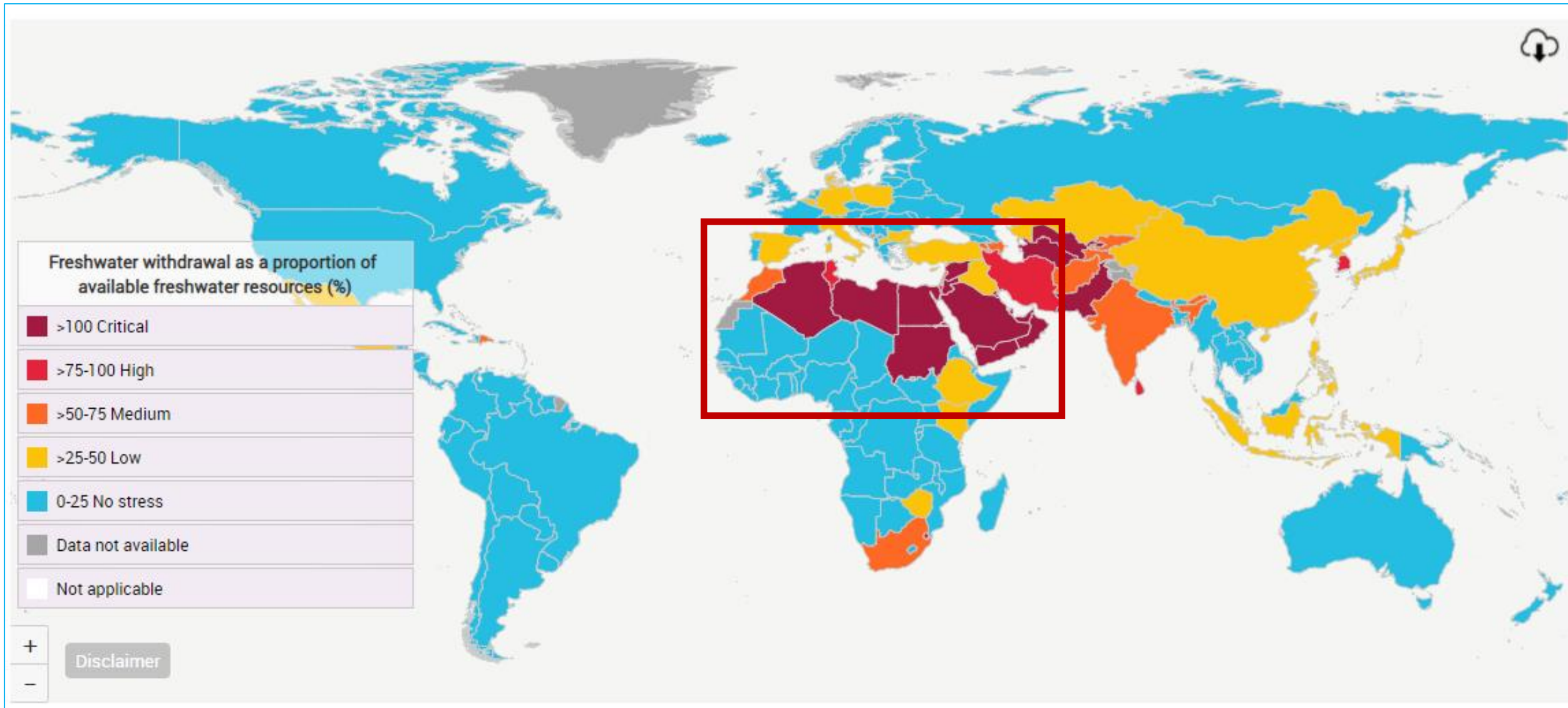
SDG 6.1: Basic drinking water service (JMP, 2021)



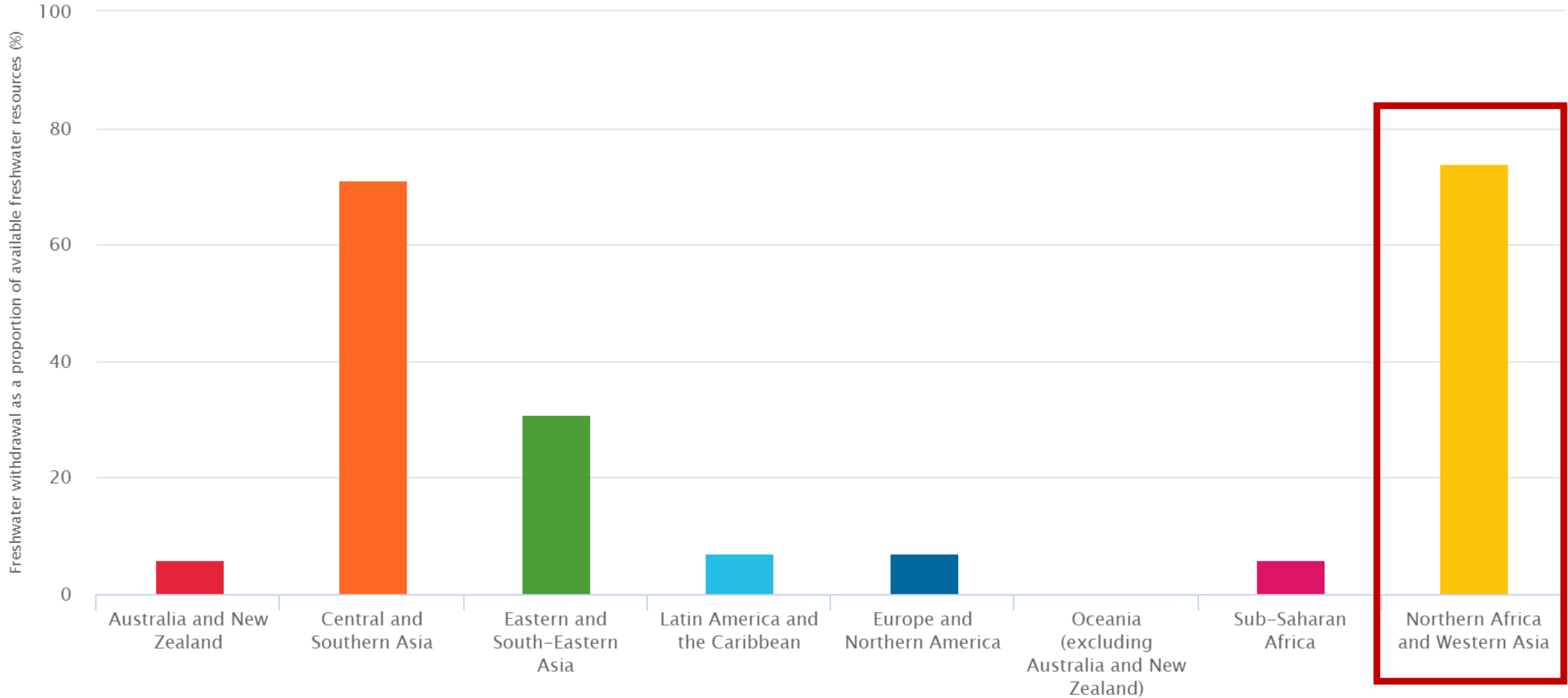
SDG 6.1: safely managed drinking water (JMP, 2021)



SDG 6.4.2 Level of water stress (FAO, 2021)



SDG 6.4.2 Level of water stress (FAO, 2021)

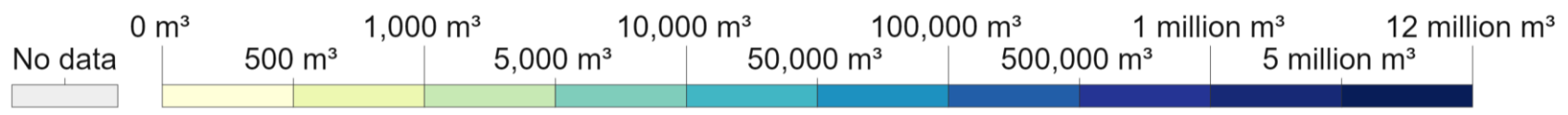


Yearly renewable freshwater resources per capita (Our World in Data, 2021)

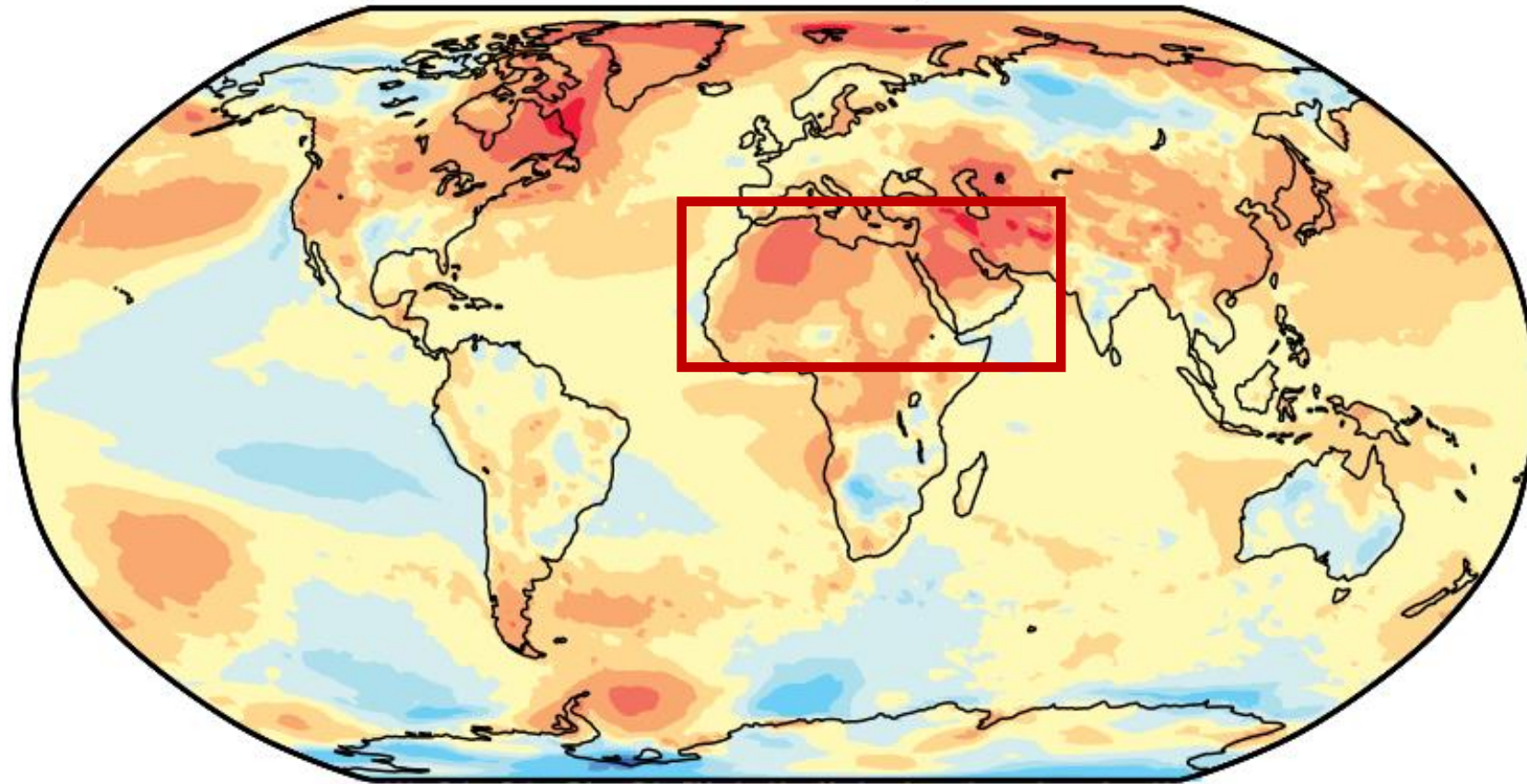


Falkenmark Indicator

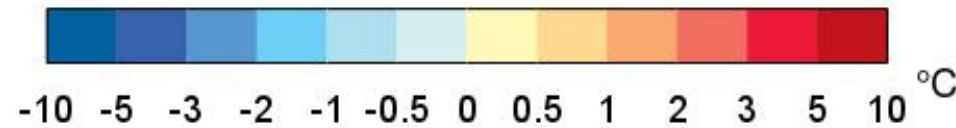
- >1,700 No Stress
- 1,000-1,700 Stress
- 500-1,000 Scarcity
- <500 Absolute Scarcity



Temperature difference Jan-Sep 2021 and 1981-2010 (WMO, 2021)



Data source: ERA5
Reference period: 1981-2010
Credit: C3S/ECWMF

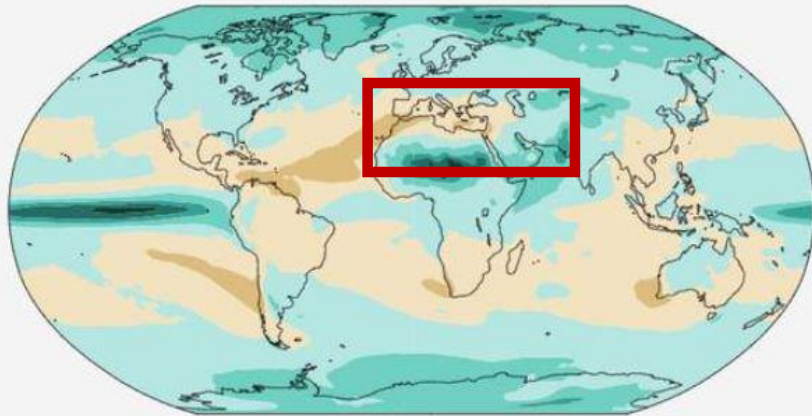


Precipitation change (IPCC, 2021)

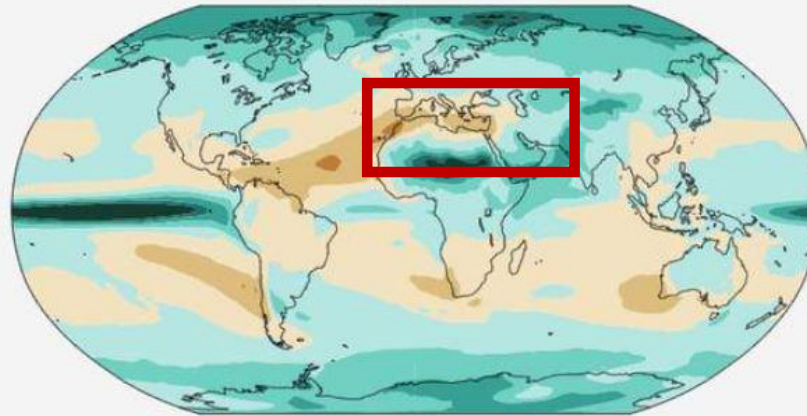
(c) Annual mean precipitation change (%) relative to 1850–1900

Precipitation is projected to increase over high latitudes, the equatorial Pacific and parts of the monsoon regions, but decrease over parts of the subtropics and in limited areas of the tropics.

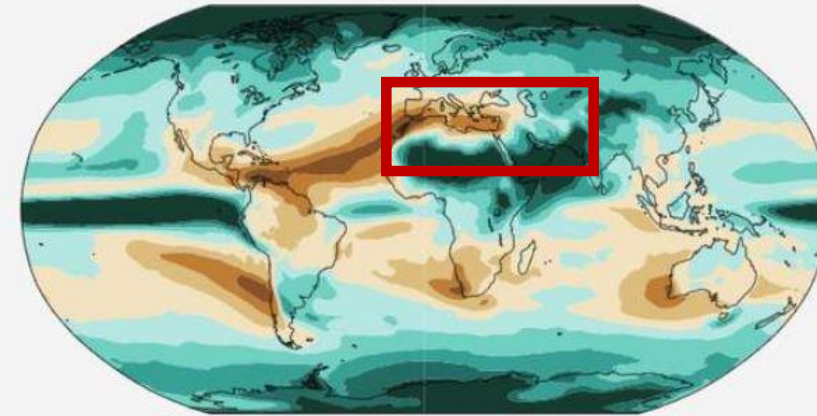
Simulated change at 1.5°C global warming



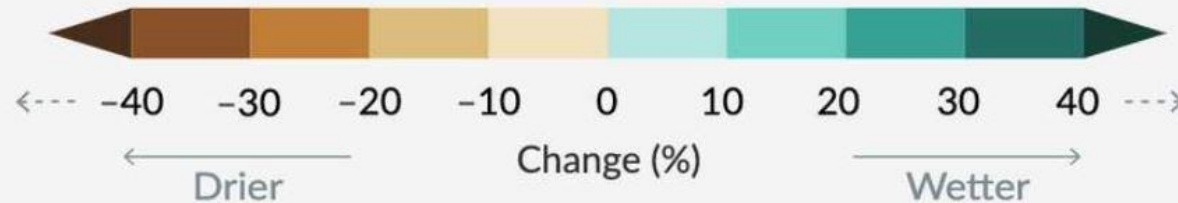
Simulated change at 2°C global warming



Simulated change at 4°C global warming

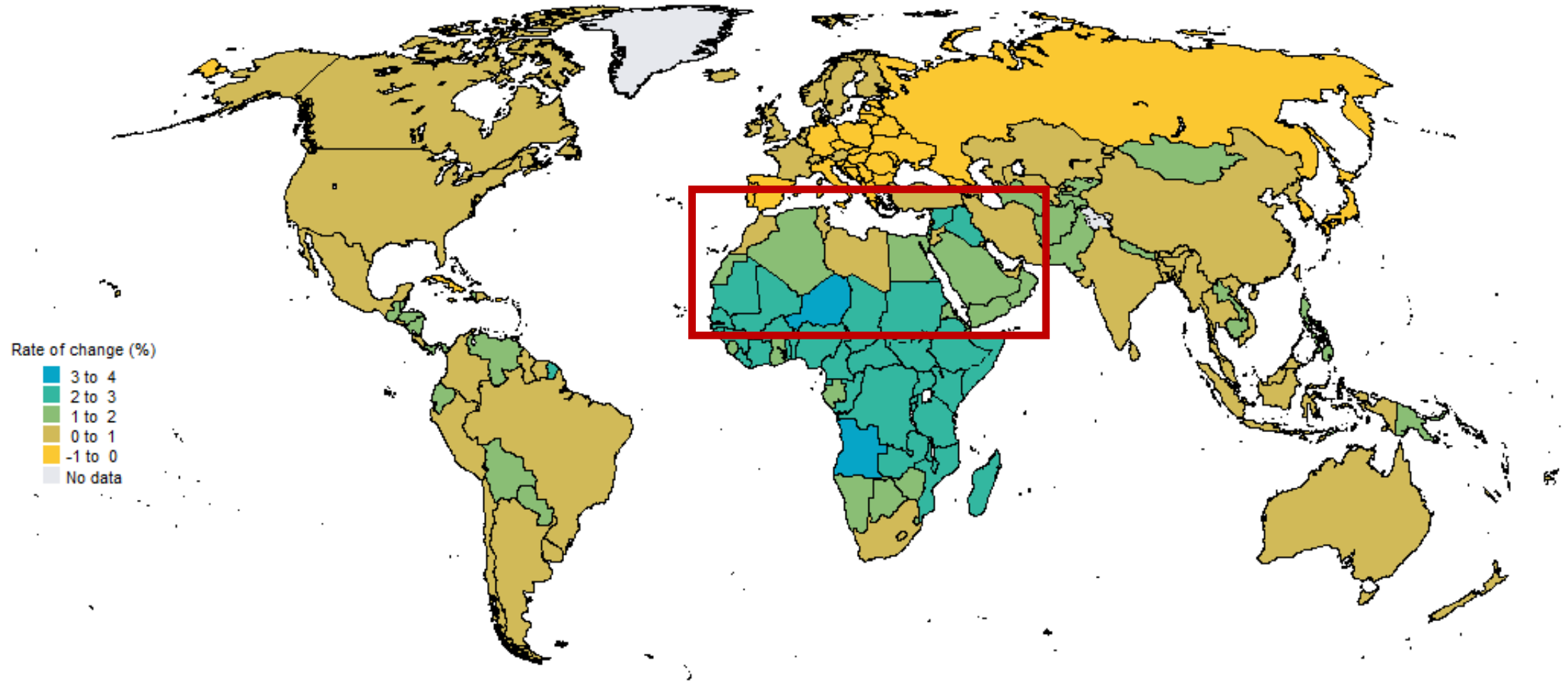


Relatively small absolute changes may appear as large % changes in regions with dry baseline conditions.



Water demand (UN DESA, 2019)

Average annual rate of population change (%), 2025-2030 (medium-variant projection)



Accelerator on Climate Change and Water Scarcity

UNICEF Water Security for All



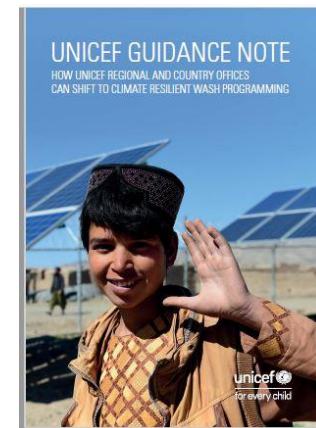
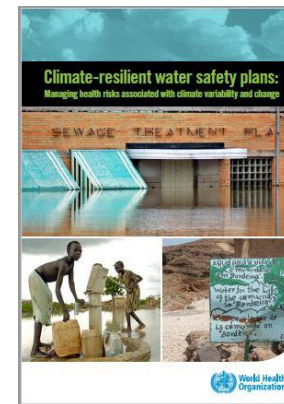
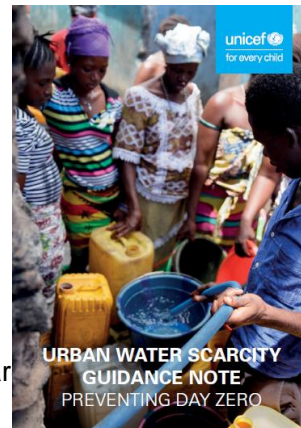
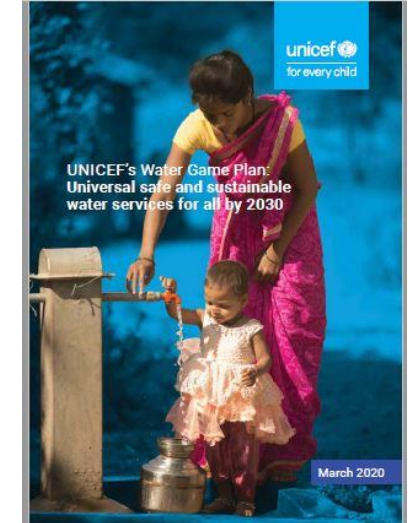
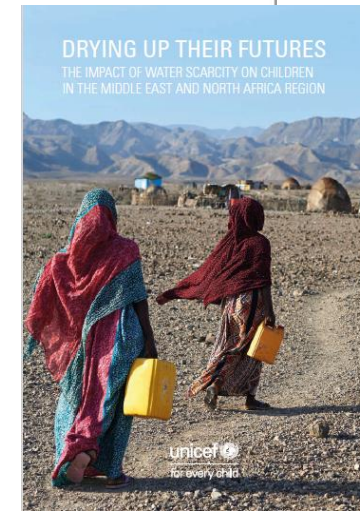
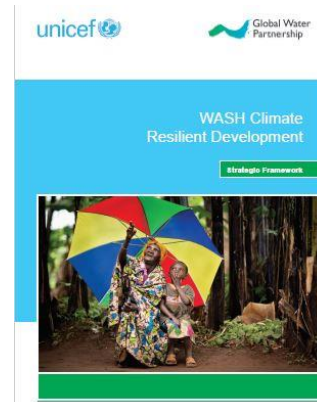
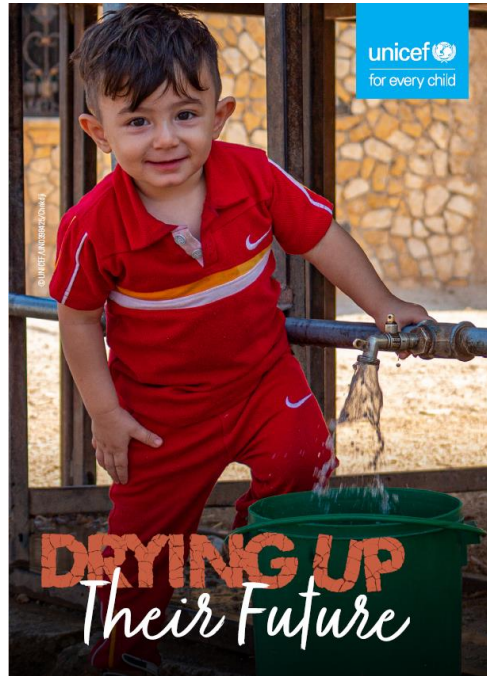
- Safe and Affordable Drinking Water services
- Climate-Resilient WASH services and communities
- Prevent water scarcity crisis through early action
- Water cooperation for peace and stability

UNICEF Water Security for All

6 CLEAN WATER AND SANITATION

13 CLIMATE ACTION





UNICEF MENA climate change and water scarcity accelerator

Internal UNICEF

- Climate/water scarcity in internal UNICEF planning (Sitan/CPD/EPP)
- Conduct Climate Landscape Analysis for Children (CLAC)
- Systematic participation in national climate/env. coordination mtgs

Enabling Environment

- NAP/NDC have child lens
- Climate funding (climate rationale)
- Water scarcity upstream (WASHBAT, system level WSPs, mapping, etc.)
- Creations of national High Level Water Scarcity crisis group

Technical WASH

- WASH Climate Shift
- Utility capacity development (NRW, client/operator interface, tariff reform)
- Community engagement (Climate-resilient water safety plans)
- Technical (desalination, ground water recharge, rainwater harvesting, etc.)

Youth Engagement, Advocacy, and Behavioural Change

- Participatory Action Research (PAR)
- Water scarcity/climate advocacy plan
- Support youth participation in NAP/NDC revisions

Education

- CC/water scarcity in curriculum
- Extra-curricular platforms (e.g. WASH/Health clubs)

Regional Coordination

- Integrated Water Resource Management (IWRM)
- Transboundary coordination
- Knowledge management and technical support.

UNICEF MENARO Accelerator initiatives

- Co-hosted (with FAO) a regional High Level Event on water scarcity at League of Arab States Water Ministerial Council (Nov 2021)
- Regional and country upstream enabling environment analysis of climate change and water scarcity
- Development of climate rationale/concept notes for countries in MENA
- Roll-out Youth Engagement initiative with focus on MENA Youth Participatory Action Research (YPAR) and the MENA Young Climate Activists Toolkit

Accelerator intended activities

Response Pillar	Activity
Enabling Environment	Policy development and revision
	Applied research (per topic)
Youth Engagement and advocacy	YPAR implementation (1-year cycle)
	YPAR follow-up action support
	Advocacy campaigns
	Social and behavioural insight studies
	SBC interventions
Education	Curriculum revision, including assessment/mapping phase and teach training
	Extra-curriculum development, dissemination, and training
WASH Technical	WASHBAT implementation
	Water Safety Plan implementation
	Utility/operator capacity support
	Infrastructure improvements (dependent on each specific project)
Regional component	Regional coordination (technical support, lessons learned, regional research, etc.)

Lessons learnt and recommendations

Recommendations

- Strengthen national policy and regulatory systems that address water scarcity and climate change
- Include water scarcity in climate change plans, including National Adaptation Plans (NAPs) and Nationally Determined Contributions (NDCs)
- Create at the highest level possible inter-ministerial water scarcity coordination groups
- Engage civil society and local communities, especially with youth as agents of change
- Support capacity building of key actors



Preserve the human right to access water and sanitation services, without it being compromised by other water uses

Thank you

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