

SDG indicator 6.5.1

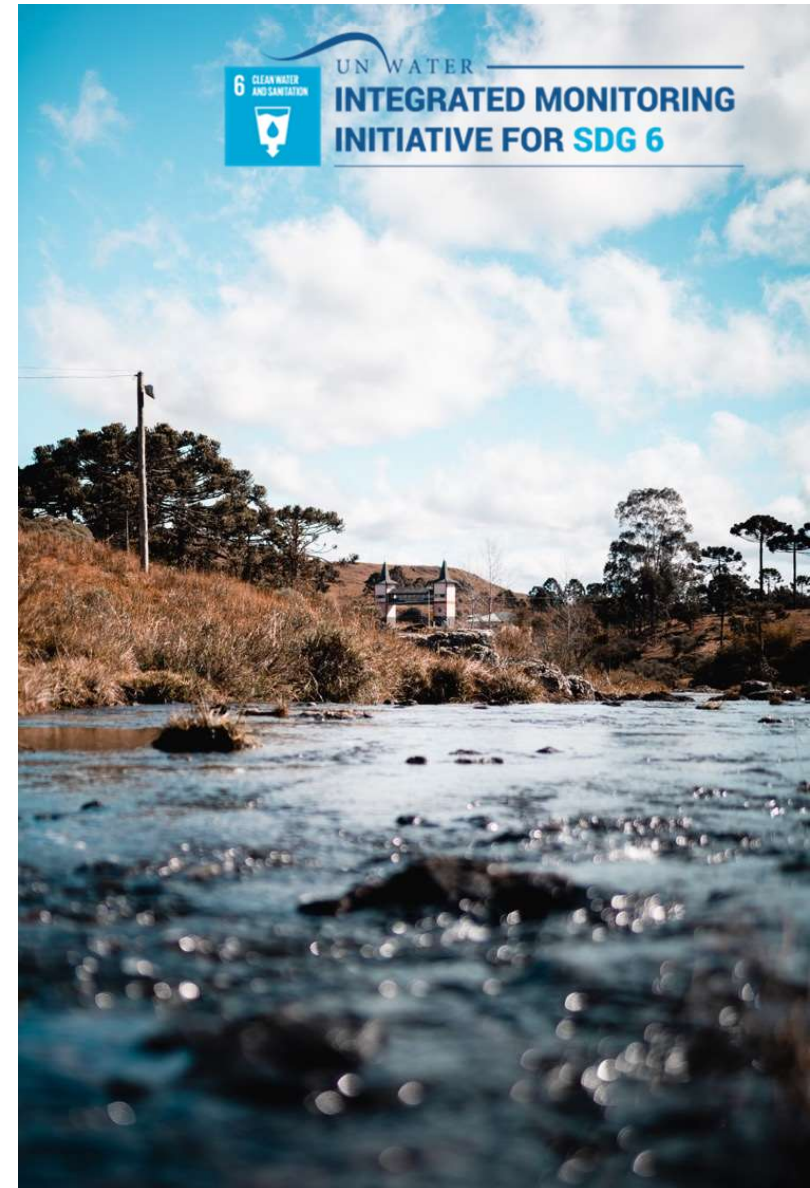
Implementing integrated water resources management (IWRM)

Global and regional results,
transboundary aspects

Paul Glennie, Senior Technical Advisor, UNEP-DHI Centre
Ziad Khayat, Economic Affairs Officer, ESCWA



Shared Prosperity Dignified Life

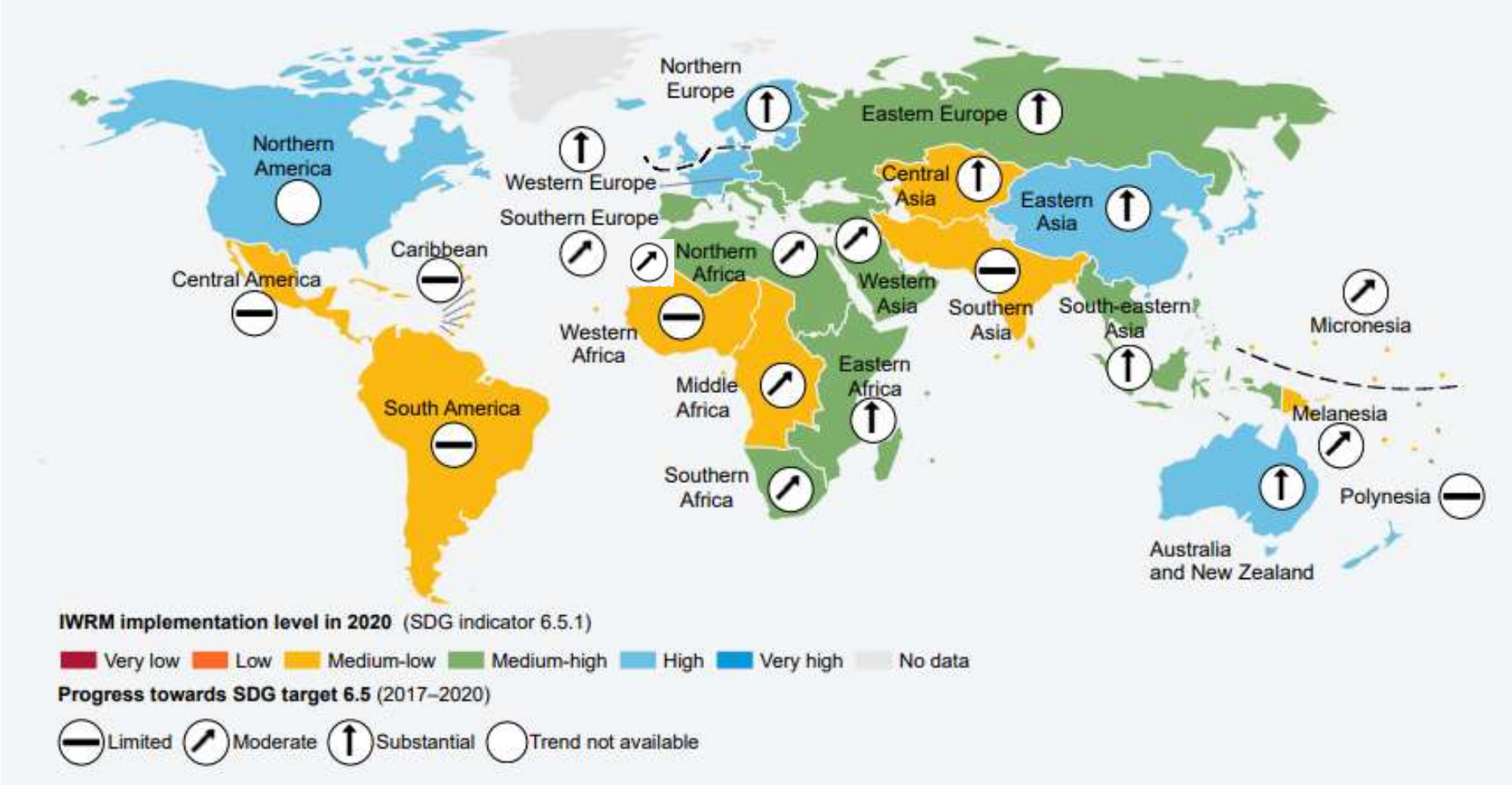


Methodology SDG Indicator 6.5.1

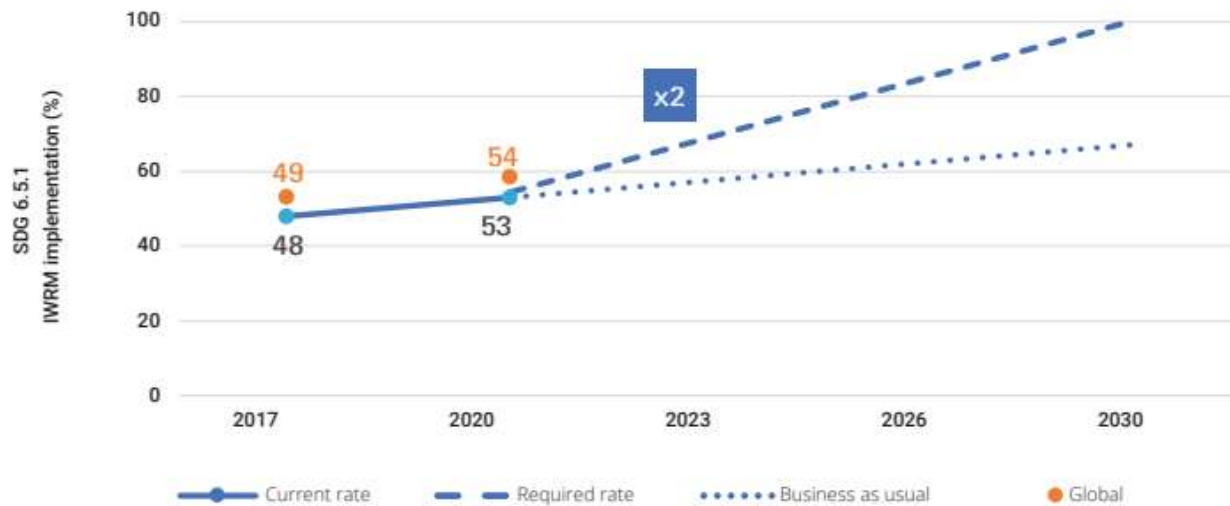
- Country survey with 33 questions, covering 4 dimensions of IWRM:
 - Enabling Environment
 - Institutions and Participation
 - Management Instruments
 - Sustainable Financing
- Under Integrated Monitoring Initiative for SDG 6 (IMI-SDG6)
- GWP has supported more than 70 countries , across the 2017 and 2020 reporting rounds.

Degree of implementation (0 – 100)	
Very high (100)	Objectives consistently achieved, and periodically reviewed and revised .
High (80)	Policy objectives consistently achieved .
Medium-high (60)	Being used by the majority of relevant authorities to guide work.
Medium-low (40)	Based on IWRM, approved by government and starting to be used by authorities to guide work.
Low (20)	Exists, but not based on IWRM .
Very low (0)	Development not started or not progressing.

Measuring global progress towards target 6.5



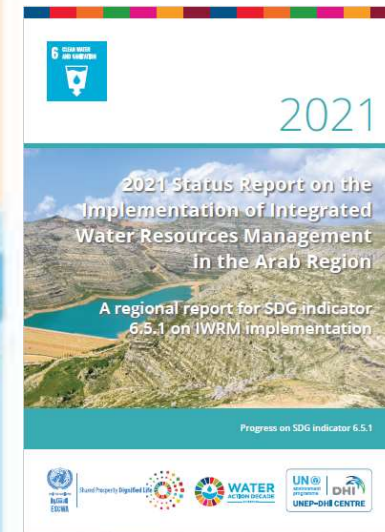
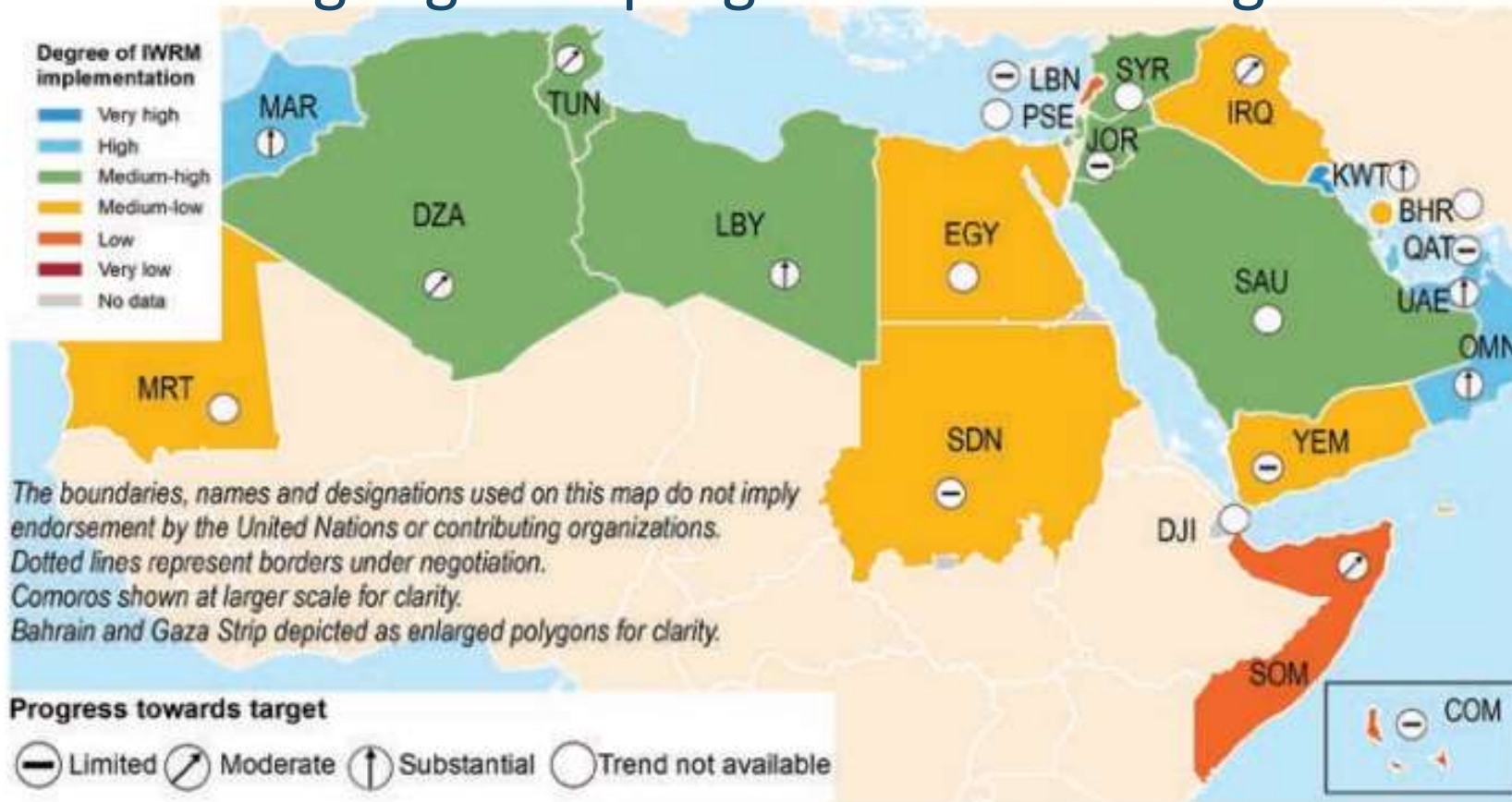
IWRM implementation needs to accelerate!



Globally, the current rate of progress needs to be doubled

107 countries
are not on track to have sustainably managed water resources by 2030

Measuring regional progress towards target 6.5

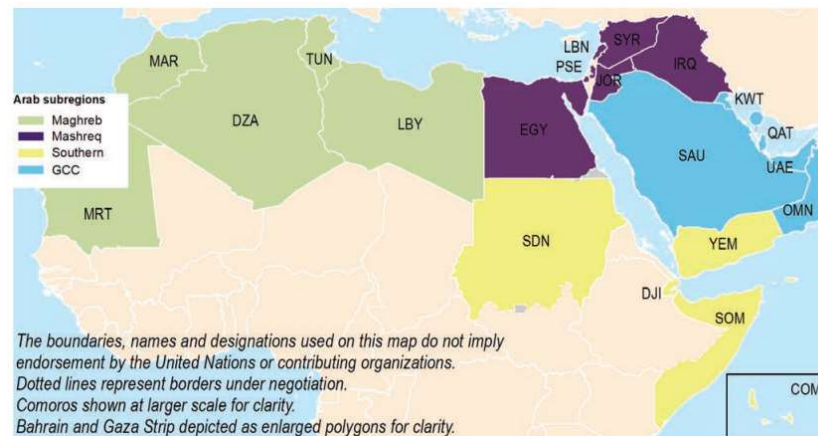


- ❑ Data from 21 Arab States.
- ❑ 15 have data for both 2017 and 2020.
- ❑ 4 re-used their baseline submissions
- ❑ 2 submitted data for the first time.

Implementation scores of 21 countries and progress across the four IWRM dimensions

Dimension	GCC	Maghreb	Mashreq	Southern	Arab region
1. Enabling environment	63	59	57	39	56 (27-90)
2. Institutions and participation	78	63	51	32	58 (19-100)
3. Management instruments	75	55	50	27	54 (10-90)
4. Financing	71	57	32	15	46 (27-90)
Average	72	58	48	28	53 (7-100)
2017	68	53	40	29	48 (10-82)
2020	72	58	48	28	53 (7-100)
Progress	Substantial	Moderate	Moderate	Limited	Moderate
HDI (2019)	0.844	0.689	0.688	0.515	0.700 (0.470-0.890)

Source: UNDP, Human Development Report (New York, 2020) (for the HDI).



Strategic actions to accelerate IWRM implementation in the Arab region

Ensuring coherent governance within and across sectors

Improving availability and access to data and information

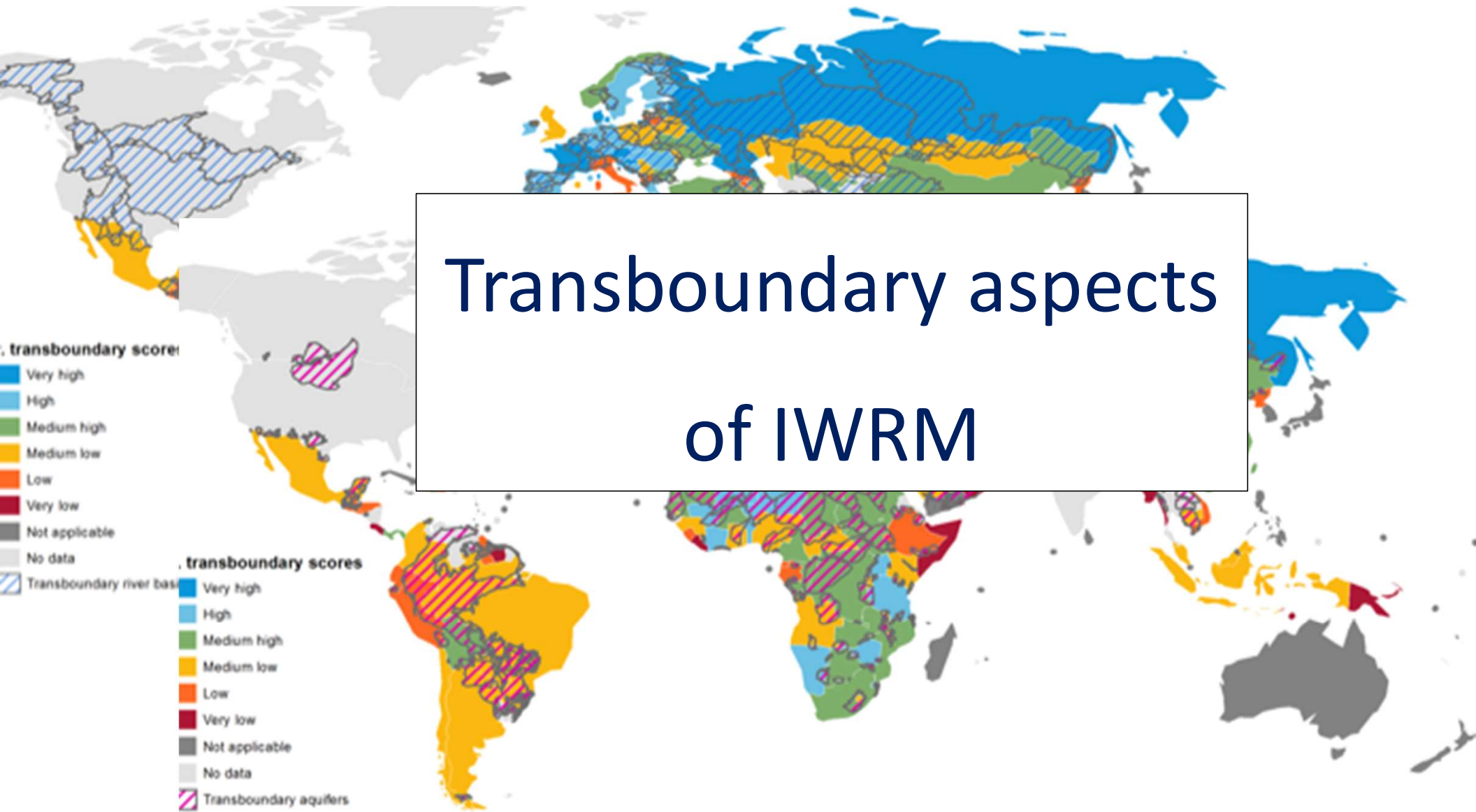
Leveraging innovation and technologies

Unleashing women and youth potential and reaching gender equality

Coordinating financing and leveraging climate financing

Strengthen political will

Transboundary aspects of IWRM



6.5.1 Transboundary level questions

1. Enabling environment

Arrangements for transboundary water management

2. Institutions & participation

Organizational framework for transboundary water management

- Gender-specific objectives/plans at transboundary level (2017).

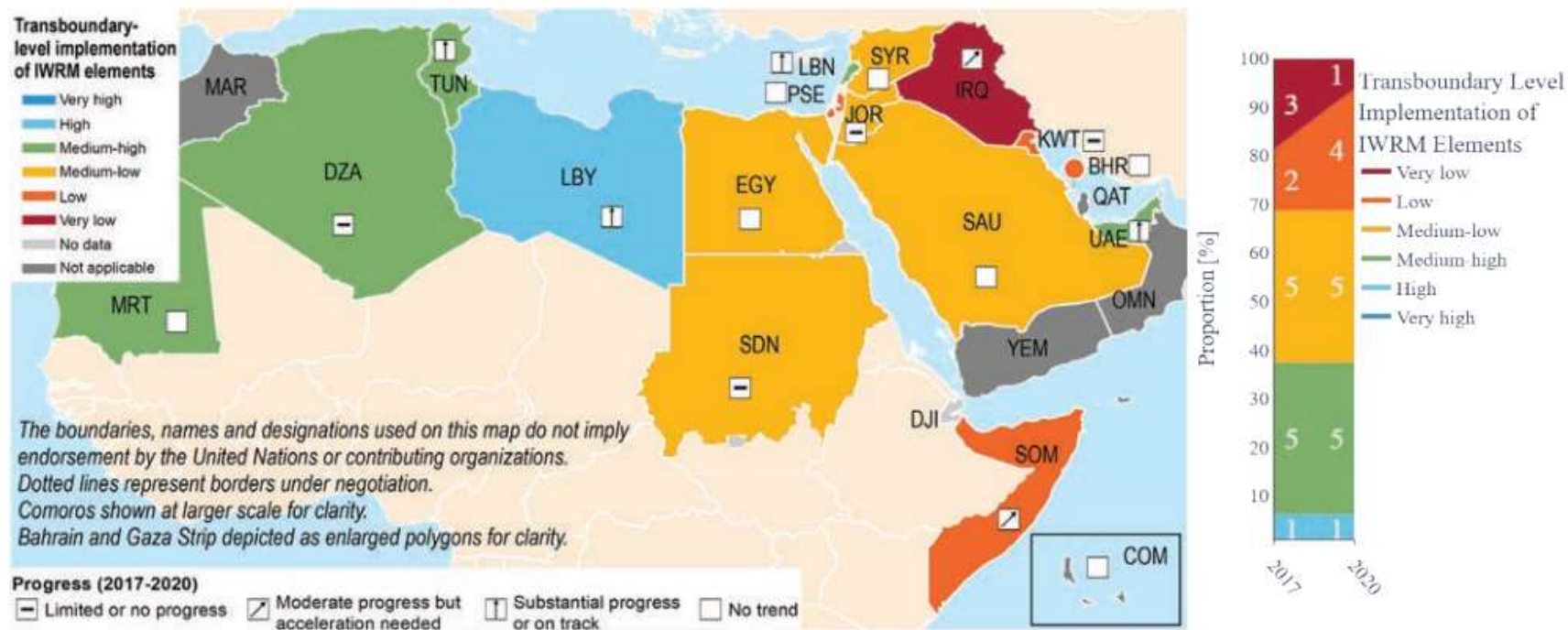
3. Management instruments

Transboundary data and information sharing between countries

4. Financing

Financing for transboundary cooperation

Implementation status and progress on transboundary water resources management in the Arab region



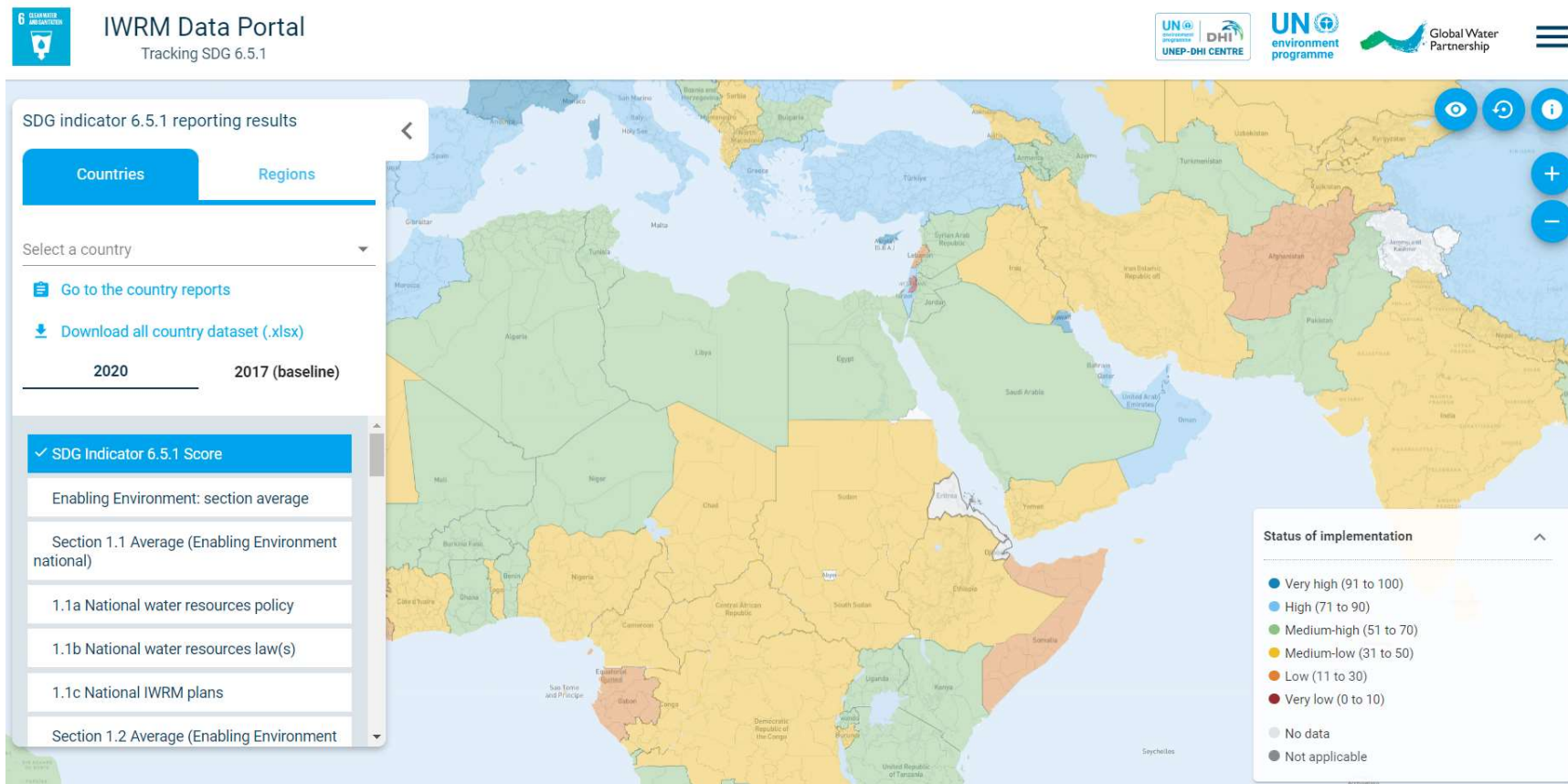
Groundwater
3.2b Management instruments
49

Transboundary				
1.2c Arrangements	2.2e Organizations	3.2d Data sharing	4.2c Financing	Average
46	54	46	40	47

Sub-regional average scores for implementation of transboundary cooperation elements in 16 countries

	Country	Challenges/Opportunities	Region
Transboundary	Iraq, 8 very low	Negotiations are under way with Saudi Arabia regarding investments for agriculture spaces. Non-formalized data exchange is cut off for a long time. Except for some grants from international organizations, there is no specific funding allocated from the State.	
1.2.c Arrangements	Bahrain, 15 low	Apart from some limited data- and information-sharing, there are no frameworks for the other three elements.	46 (16)
2.2.e Organizations	Somalia, 13 low	It is engaged in discussions at the regional level to develop the Intergovernmental Authority on Development ^a Water Policy and Water Protocol. It proposes funding allocation for a functional transboundary committee to undertake research, studies and capacity building of government staff.	54 (14)
3.2.d Data	State of Palestine, 28 low	It drafted a transboundary water resources strategy (2013) ^b without negotiating it with neighbours. Two organizations (Joint Water Committee and Joint Supervision and Enforcement Teams) ^c are in place but Israel does not respect their agreements.	46 (16)
	Kuwait, 30 low	A proposal for arrangements, organizations and data sharing to be implemented for sharing the transboundary water among the GCC countries.	
4.2.c Final	Egypt, 33 medium-low	Provisions for arrangements are partially implemented. The long-running dispute with Ethiopia over the Nile river has escalated recently.	40 (15)
	Morocco, not applicable	It shares eight aquifers with Algeria and one with both Algeria and Mauritania. ^{d,ef} Transboundary water is limited, localized and scarce. There is no cooperation with neighbours.	
Average	Algeria, 70 medium-high	It is satisfied with the cooperation with riparian countries regarding the North-Western Sahara Aquifer System.	47
Average for	Mauritania, 70 medium-high	It is satisfied with the Organization for the Development of the Senegal River.	0.699
	United Arab Emirates, 70 medium-high	It is satisfied with the Water Resources Committee of the GCC Secretariat General.	
	Libya, 85 high	There are lively joint management bodies for three transboundary basins ^g and a regularly updated database for data and information sharing. There is a delay in securing required financial contribution from riparian countries. It suggests completing studies, developing mathematical models, extending data and information exchange to other sectors, and increasing funding from participating countries and from regional and international organizations.	

Global and regional reports on implementation of IWRM



<http://iwrmdataportal.unepdhi.org/publications/regional>

Country reports

Country Reports

Search: west

Country Name

- Jordan
- Kuwait
- Lebanon

2020 2017



Degree of implementation (0-100) (dimension averages and 6.5.1 scores)

- Very high (91 to 100)
- High (71 to 90)
- Medium-high (51 to 70)
- Medium-low (31 to 50)
- Low (11 to 30)
- Very low (0 to 10)

2020 Implementation of Integrated Water Resources Management (IWRM) SDG INDICATOR 6.5.1



تتبع التقدم المُحرز على مؤشر هدف التنمية المستدامة رقم 6.5.1

TRACKING PROGRESS ON SDG INDICATOR 6.5.1

In 2020, 171 countries submitted their national reports on SDG indicator 6.5.1.

SDG indicator 6.5.1 score is based on 33 survey questions and is calculated as an average of the four IWRM dimension scores.

The world is currently not on track to reach Target 6.5. By 2030, implement IWRM at all levels, including through transboundary cooperation as appropriate.

تنفيذ الإدارة المتكاملة للموارد المائية مؤشر هدف التنمية المستدامة رقم 6.5.1



2020

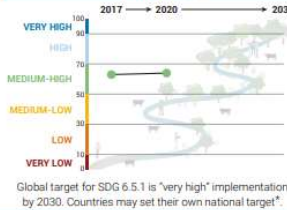
Jordan

REGION: Northern Africa and Western Asia

STATUS



PROGRESS



IWRM DIMENSIONS



Simple interpretation of 6.5.1 IWRM implementation category

- Very high (91-100): Vast majority of IWRM elements fully implemented and objectives consistently achieved.
- High (71-90): Objectives of programmes generally met, stakeholder engagement generally good.
- Medium-high (51-70): Capacity to implement IWRM elements under long-term programmes generally adequate.
- Medium-low (31-50): Elements of IWRM generally institutionalized, and implementation underway.
- Low (11-30): Implementation of some elements of IWRM begun, but potentially low stakeholder engagement.
- Very low (0-10): Development of IWRM elements generally not begun, or stalled.
- ND: No data.

More on methodology and individual question thresholds: <http://iwrmdataportal.unepdhi.org>

لبنان

المنطقة: غرب آسيا وشمال أفريقيا

التقدم المُحرز



الإدارة المتكاملة للموارد المائية التنفيذ

الأبعاد الأساسية لإدارة المتكاملة



تفسير مُبسّط لفئة تنفيذ مؤشر 6.5.1 للإدارة المتكاملة للموارد المائية

- مرتفع جداً: 100-91: نُفذت الغالبية العظمى من عناصر الإدارة المتكاملة للموارد المائية بشكل كامل.
- مرتفع: 90-71: يوجد عام، تحققت أهداف الراجح وكانت مشاركة أصحاب المصلحة جيدة.
- متوسط الارتفاع: 70-51: يوجد عام، كانت القدرة على تنفيذ عناصر الإدارة المتكاملة للموارد المائية في نطاق عناصر الإدارة المتكاملة للموارد المائية بطابع مؤسسي عموماً والتنفيذ بدأ تنفيذ بعض عناصر الإدارة المتكاملة للموارد المائية، ولكن يُحتمل أن تكون مشاركة أصحاب المصلحة منخفضة.
- متنخفض: 50-31: يوجد عام، مُ بدأ تنفيذ عناصر الإدارة المتكاملة للموارد المائية أو توقفت.
- متنخفض جداً: 10-0: لا يوجد بيانات

المزيد من الأسئلة العامة بالمنهجية والأداة القومية: <http://iwrmdataportal.unepdhi.org>

Thank you!

Paul Glennie, Senior Technical Advisor, UNEP-DHI Centre
paulglennie81@gmail.com
Ziad Khayat, Economic Affairs Officer, ESCWA
Khayat@un.org



IWRM DATA PORTAL
<http://iwrmdataportal.unepdhi.org>



SDG 6.5.1 HELP DESK
iwrmsdg651@un.org



SDG 6 IWRM SUPPORT PROGRAMME
<https://www.gwp.org/en/sdg6support/>



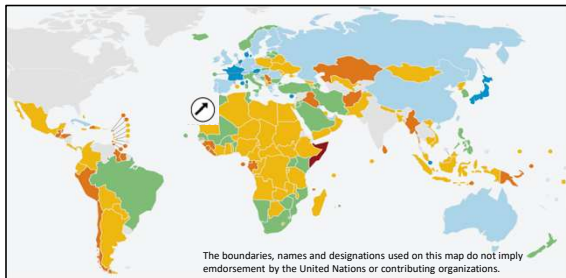
SUPPORT PROGRAMME
sdg6iwrmsp@gwp.org



Shared Prosperity Dignified Life

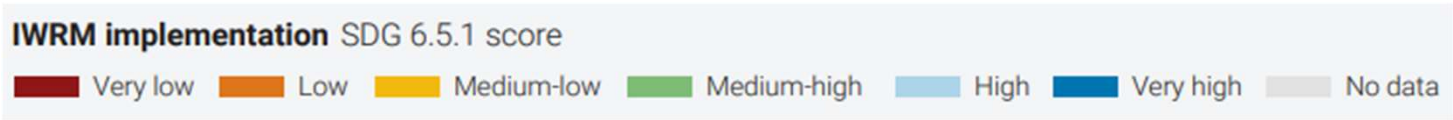
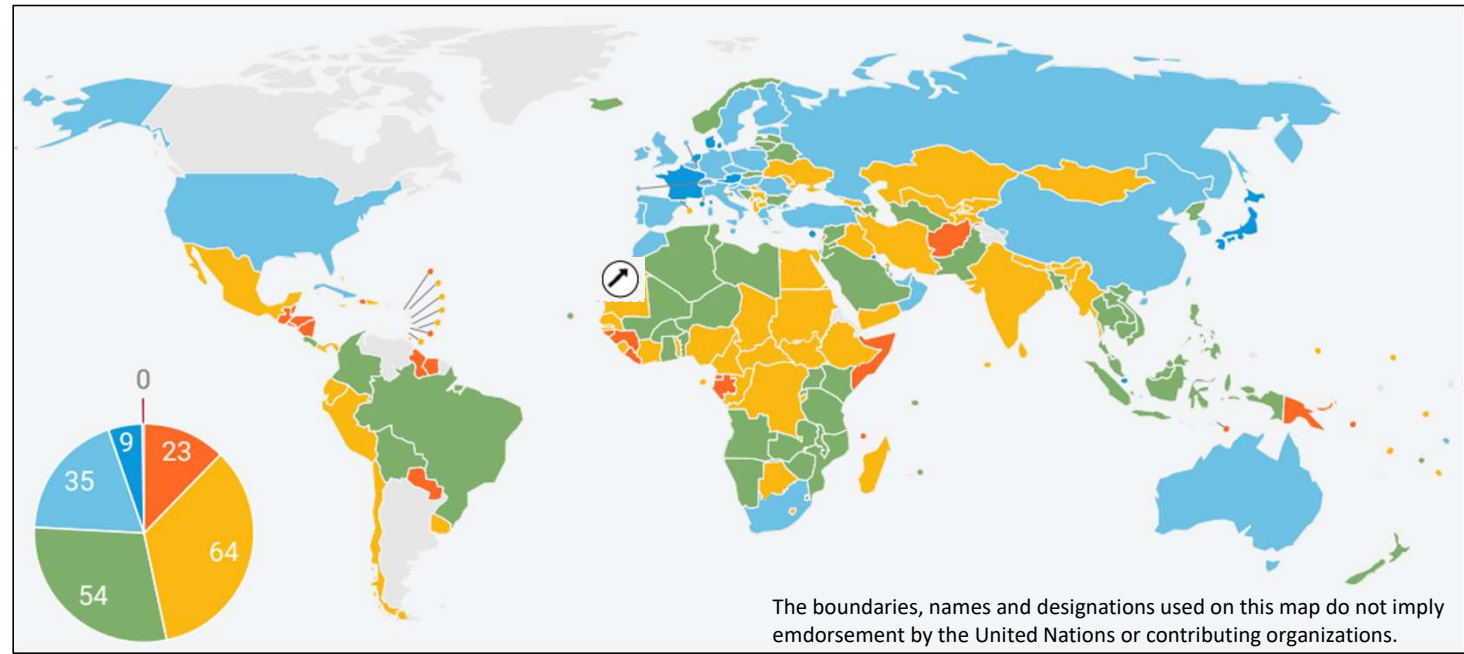


6.5.1 IWRM reporting to date (2017, 2020)

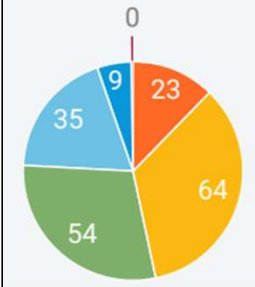


2017

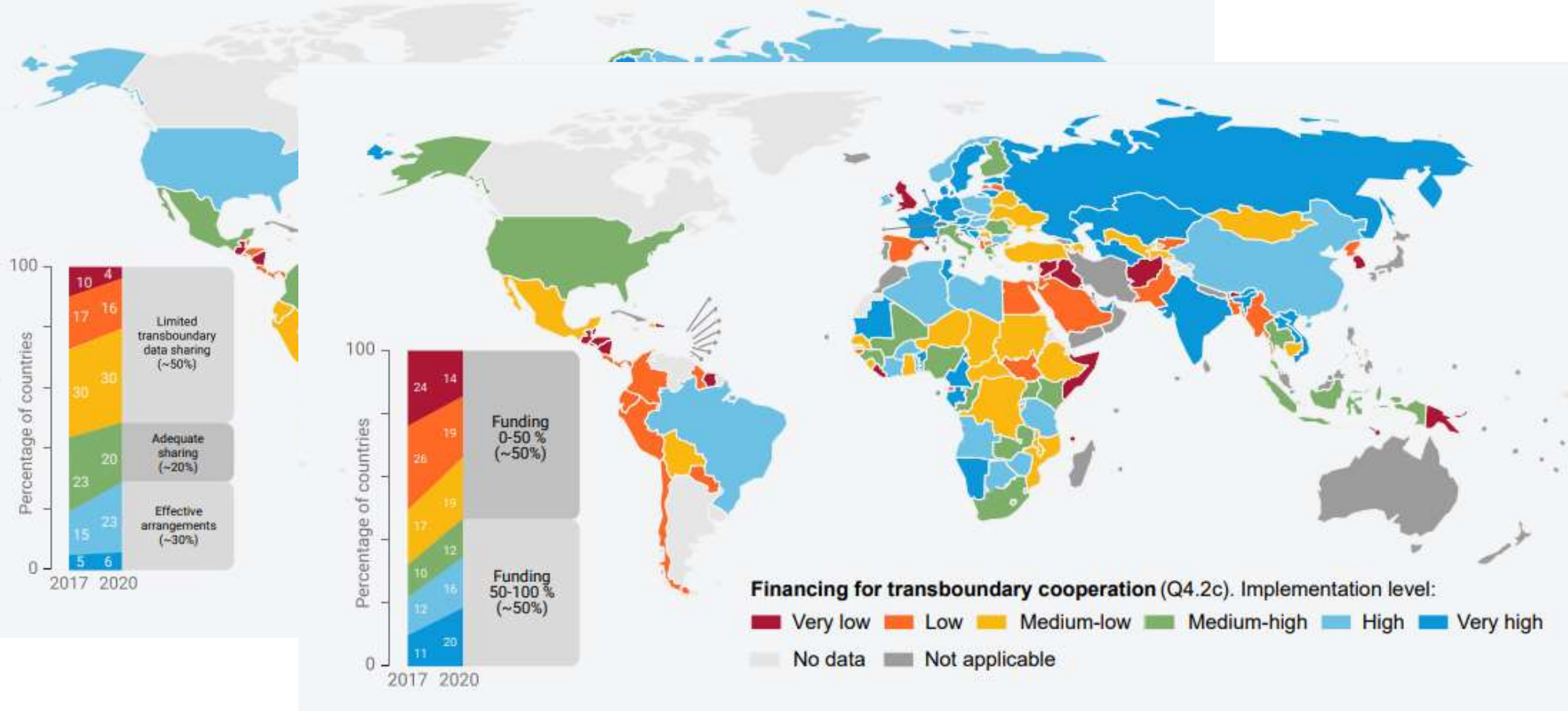
- 186 countries reported on indicator 6.5.1 (2017, 2020).
- 87 countries low or medium-low IWRM implementation (in 2020) = unlikely to reach 2030 target.



2020



Globally, there has been some progress in transboundary aspects of IWRM from 2017 to 2020



Regional enablers to IWRM implementation

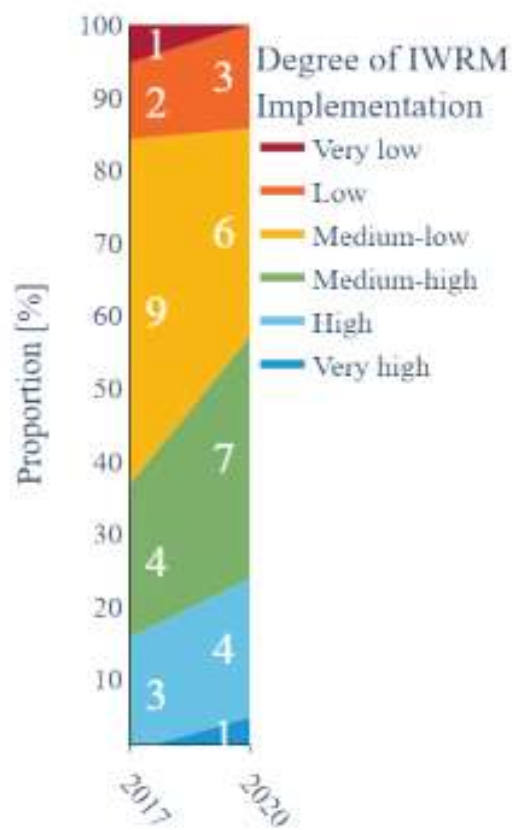
- Arab regional strategies and action plans
- Arab Integrated Water Resources Management Network (AWARENET)
- Using SDG 6.5.1 reporting in regional dialogue
 - Improving the data collection approach
 - Building on the 6.5.1 reporting process to guide national, sub-regional, and regional action

Slide 17

LRH0 Ziad, is this still relevant? I've included the strategic actions to accelerate IWRM in the arab regions from the latest report on the next slide.

Lisbet Rhiannon Hansen, 2023-05-26T10:06:21.872

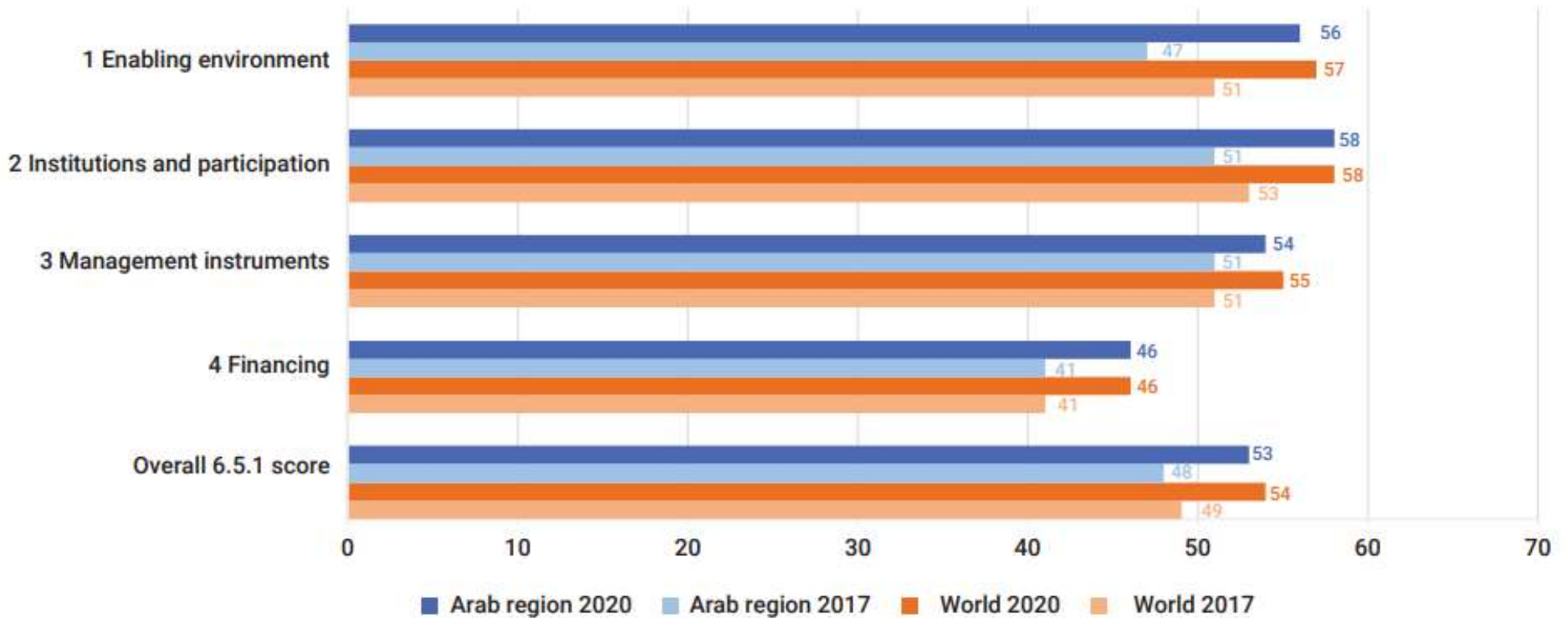
Progressing towards target 6.5 by 2030 in the Arab region



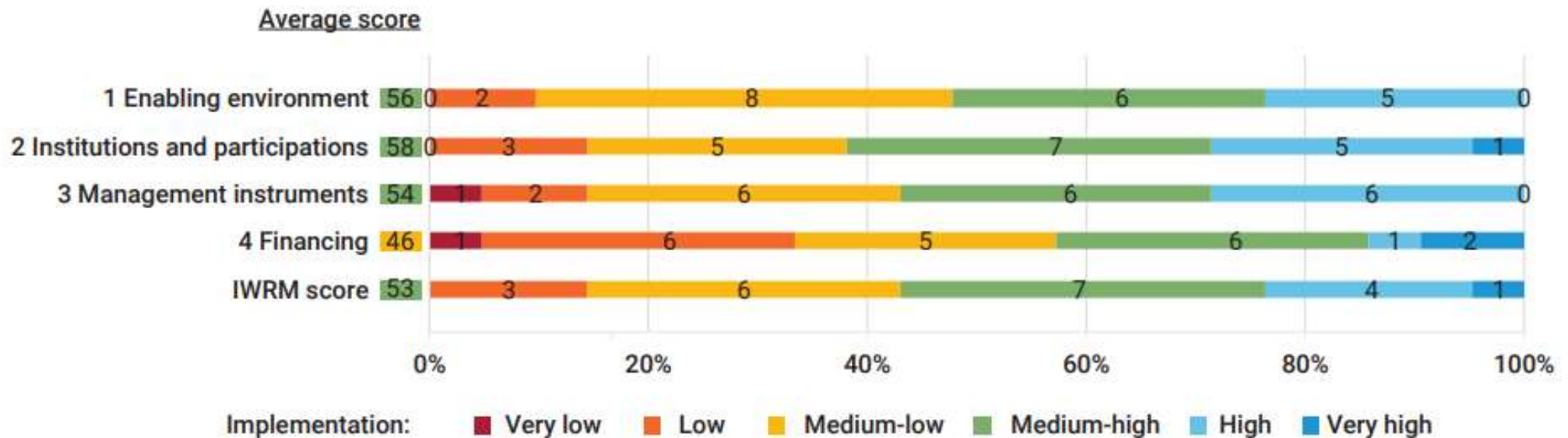
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2017	2020		2020 Status	Towards 2030
0 (0%)	1 (5%)	Very high 91-100	1 country is generally achieving IWRM objectives and is periodically reviewing and revising processes.	5 countries are likely to meet the global target if momentum is maintained. 7 countries would potentially be able to reach the global target, but efforts need to be focused and sustained. 9 countries are unlikely to meet the global target unless progress is significantly accelerated. They should aim to set national targets based on the country context.
3 (4%)	4 (21%)	High 71-90	4 countries are generally achieving policy objectives for IWRM with good geographic coverage and stakeholder involvement.	
4 (9%)	7 (37%)	Medium-high 51-70	7 countries are implementing most IWRM elements in long-term programmes.	
9 (33%)	6 (32%)	Medium-low 31-50	6 countries have institutionalized most IWRM elements and implementation is under way, but implementation of arrangements is not widespread.	
2 (0%)	3 (16%)	Low 11-30	3 countries have started developing IWRM elements with limited implementation across countries and potentially low stakeholder participation.	
1 (5%)	0 (0%)	Very low 0-10		

Average implementation of the four dimensions of IWRM in the Arab region and the world



Number of countries per implementation level across the four dimensions of IWRM in the Arab region in 2020



SDG indicator 6.5.1 survey overview

Assessing the degree of IWRM implementation in country



33 questions (scored 0-100)

Question scores in each dimension averaged to give 4 dimension scores

4 IWRM dimension averages

4 dimension scores averaged to give overall indicator score

1 final SDG 6.5.1 score

National score (0-100) representing very low to very high degree of IWRM implementation

