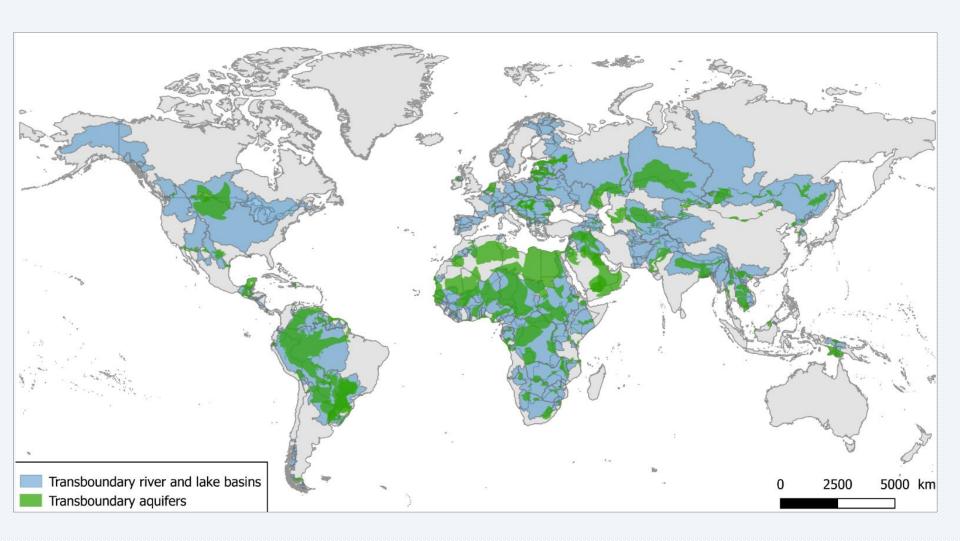


Reporting on transboundary aquifers: Challenges and tools

Supporting the monitoring and implementation of the SDGs in the Arab region: Transboundary water cooperation SDG 6 Indicator 6.5.2



592 transboundary aquifers worldwide

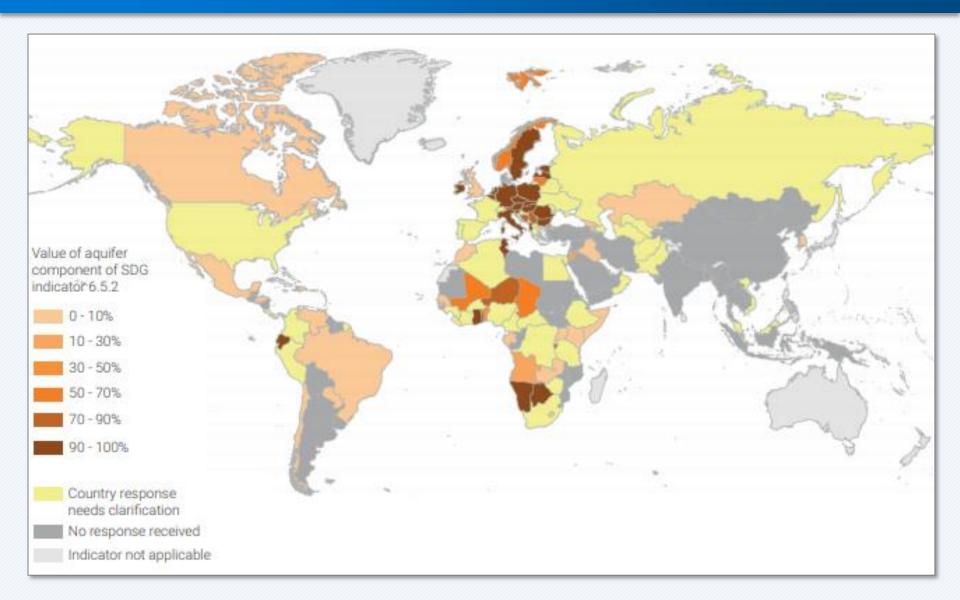








Cooperation on transboundary aquifers: 1st reporting

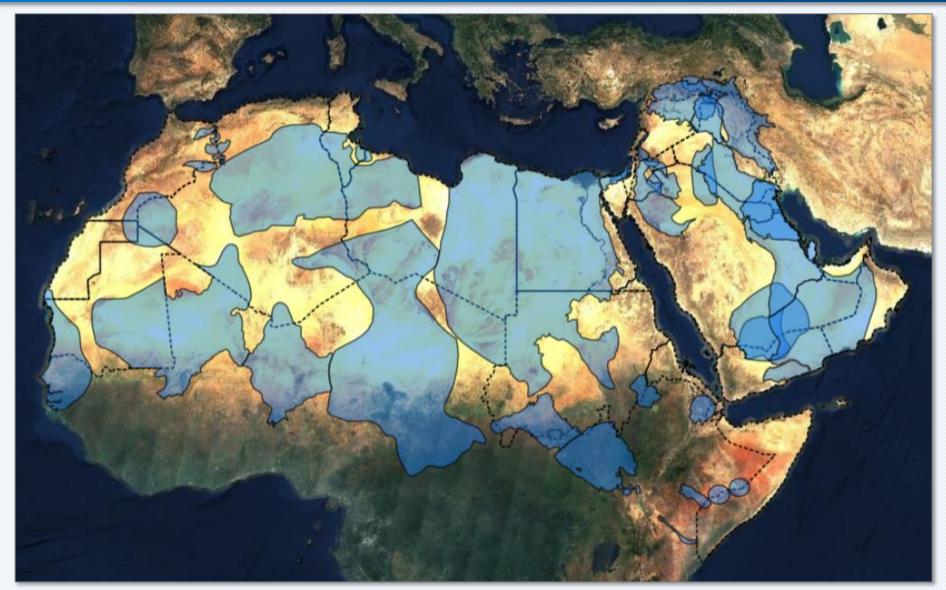








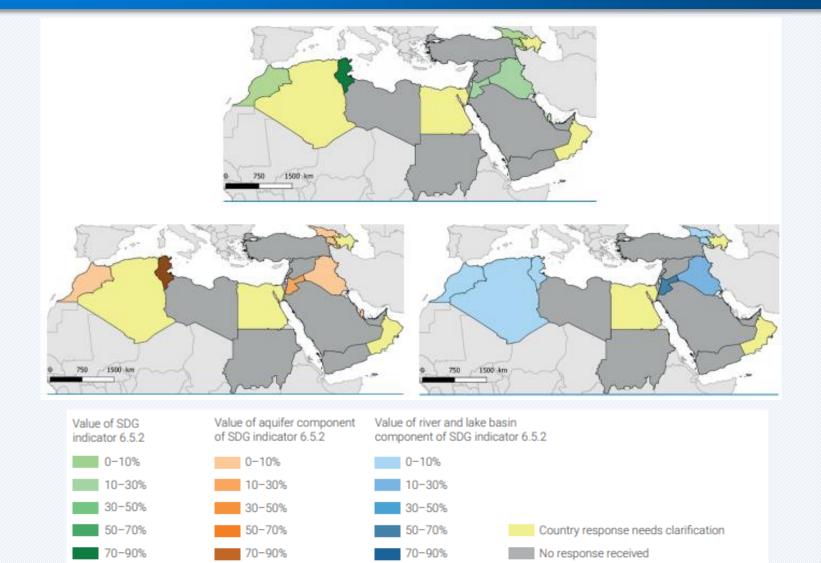
Transboundary aquifers in the Arab states region







Reporting on transboundary aquifer during the 1st phase





90-100%

90-100%



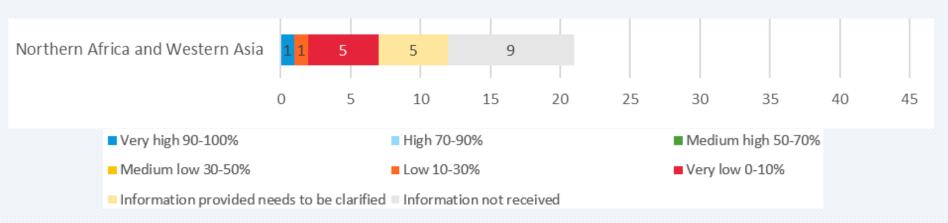
Country not considered for regional analysis



90-100%

Reporting on transboundary aquifer during the 1st phase

Country	Surface water component	Aquifer Component	SDG indicator 6.5.2
	(%)	(%)	(%)
Algeria	0	-	-
Egypt	-	-	-
Iraq	17.3	0	13.5
Jordan	61.7	13.9	21.9
Kuwait	N	-	-
Morocco	0	0	0
Qatar	N	0	0
Somalia	0	0	0
Tunisia	0	100	80.5

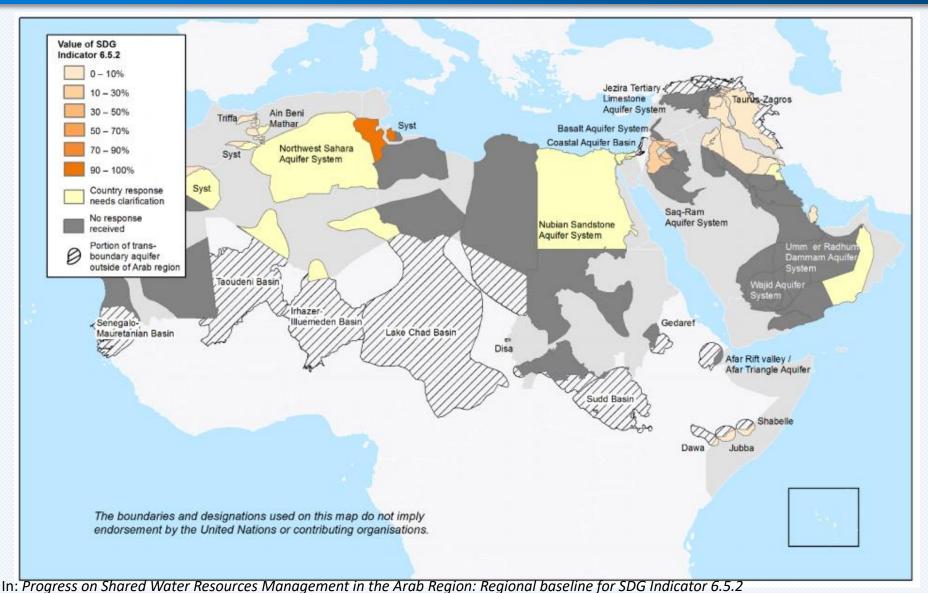








Reporting on transboundary aquifer during the 1st phase









Challenges faced during the 1st reporting exercise

Absence of reporting under SDG Indicator 6.5.2, but information reported under SDG Indicator 6.5.1:

Country	Shared water body
Libya	North Western Sahara Aquifer System (Algeria, Tunisia), Nubian Sandstone Aquifer System (Chad, Egypt, Sudan) (Note that these two arrangements were mentioned in the reporting under SDG indicator 6.5.1)
Saudi Arabia	Saq-Disi aquifer (Jordan) (This arrangement is mentioned in the reporting under SDG indicator 6.5.1 and by Jordan under SDG indicator reporting 6.5.2)
Sudan	Nubian Sandstone Aquifer System (Chad, Egypt, Libya) (The arrangements and initiatives for these two shared water bodies were mentioned in the reporting under SDG indicator 6.5.1)





Challenges faced during the 1st reporting exercise

- Assumed equivalence between water scarcity and water (in)security
- Insignificant use of transboundary aquifers
- Superposition of aquifers, scientific uncertainty (data) + multiple counting of areas





Good practices and lessons learnt

Some reports are the product of extensive coordination:

- Different approaches to group, collect and report information
- Opportunity to strengthen national coordination, cooperation and data sharing
- Impact in terms of visibility and increased awareness of national and cross-border issues

Reported information:

- Wealth of data that had never been transmitted before
- Groundwater data is a particular challenge
- Long-term process to make the best use of international sources

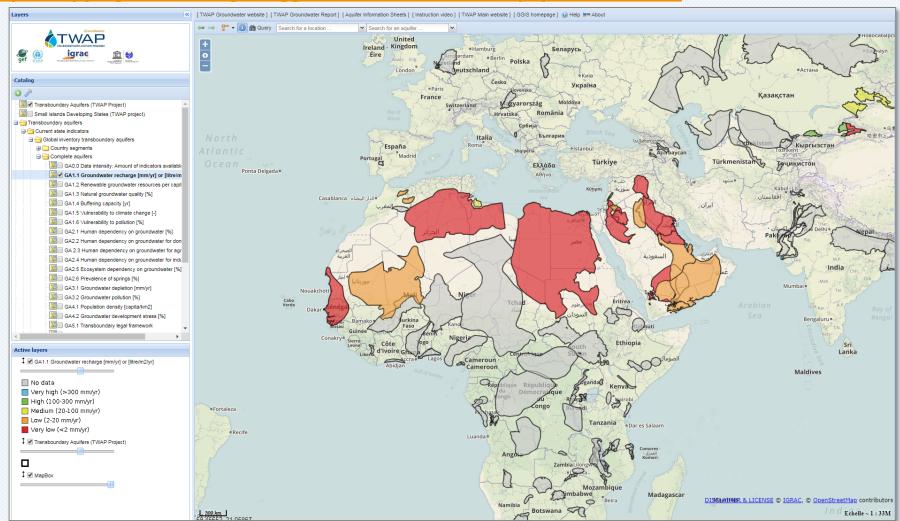






Transboundary Waters Assessment Programme Information System on transboundary aquifers

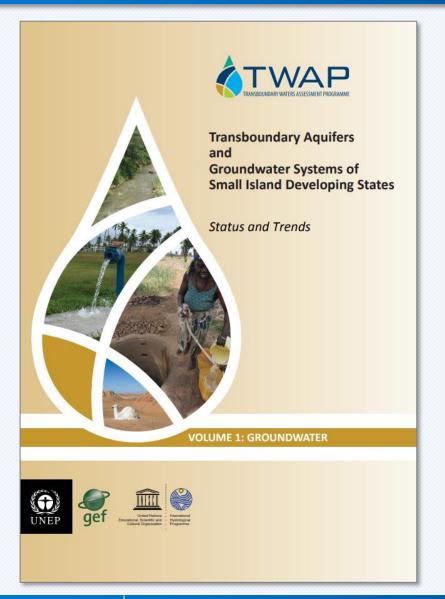
https://apps.geodan.nl/igrac/ggis-viewer/viewer/twap/public/default







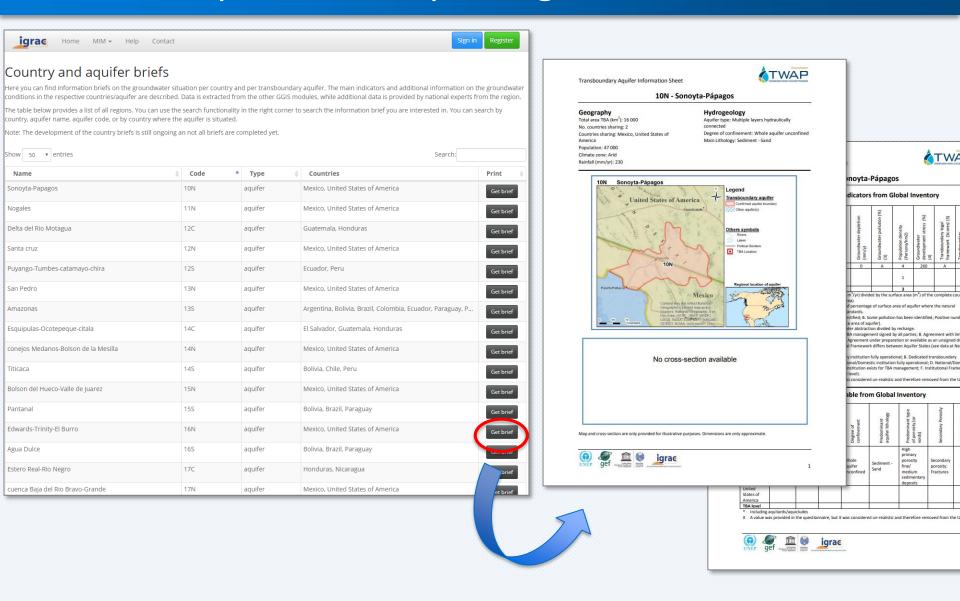




First comprehensive indicator-based global assessment of status and trends in transboundary aquifers





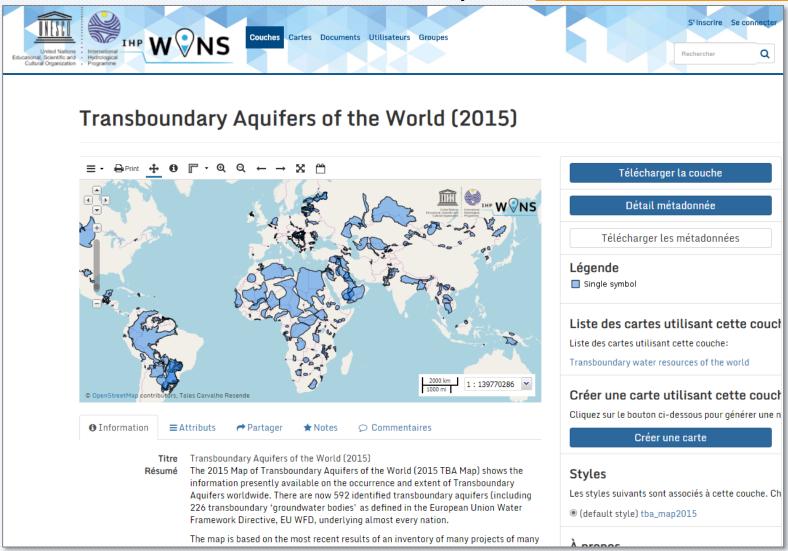








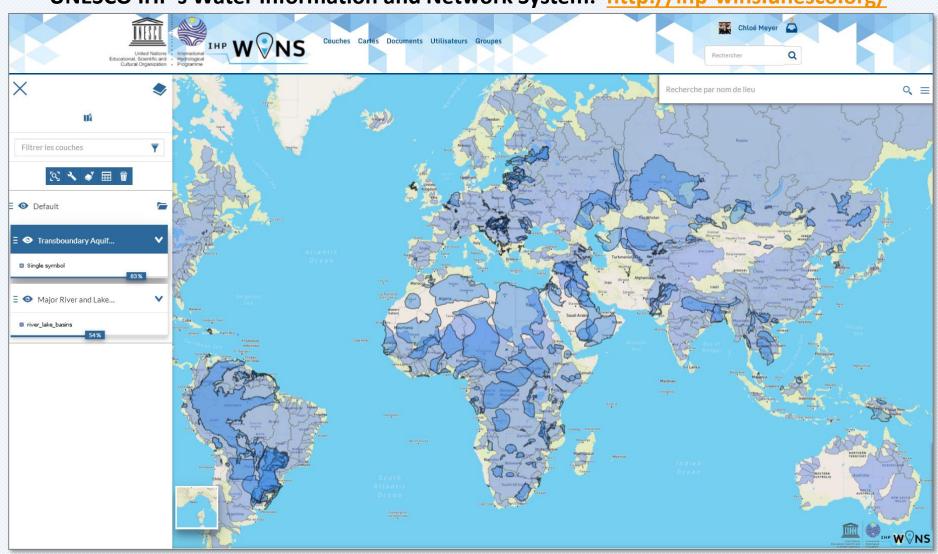
UNESCO IHP's Water Information and Network System: http://ihp-wins.unesco.org/







UNESCO IHP's Water Information and Network System: http://ihp-wins.unesco.org/







Online data and information about aquifers:

- Delineation
- Physical characteristics
- Hydrogeological parameters
- Georeferenced items



- Technical support from the agencies





A/RES/74/193: UNGA Resolution of the Law of transboundary aquifers (2019)

- 1. Commends to the attention of Governments the draft articles on the law of transboundary aquifers annexed to its resolution 68/118 as guidance for bilateral or regional agreements and arrangements for the proper management of transboundary aquifers;
- 2. Encourages also the International Hydrological Programme of UNESCO to continue its contribution by providing further scientific and technical assistance upon the consent of the recipient State and within its mandate;

