Sustainable Development Goals and SDG 6 (6.3,6.5,6.6)
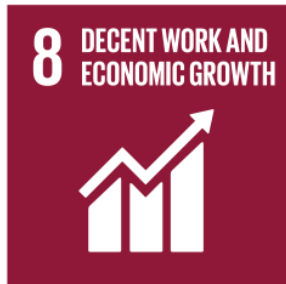
Etaf Chehade

Program Management officer

UN environment

Sustainable Development Goal 6

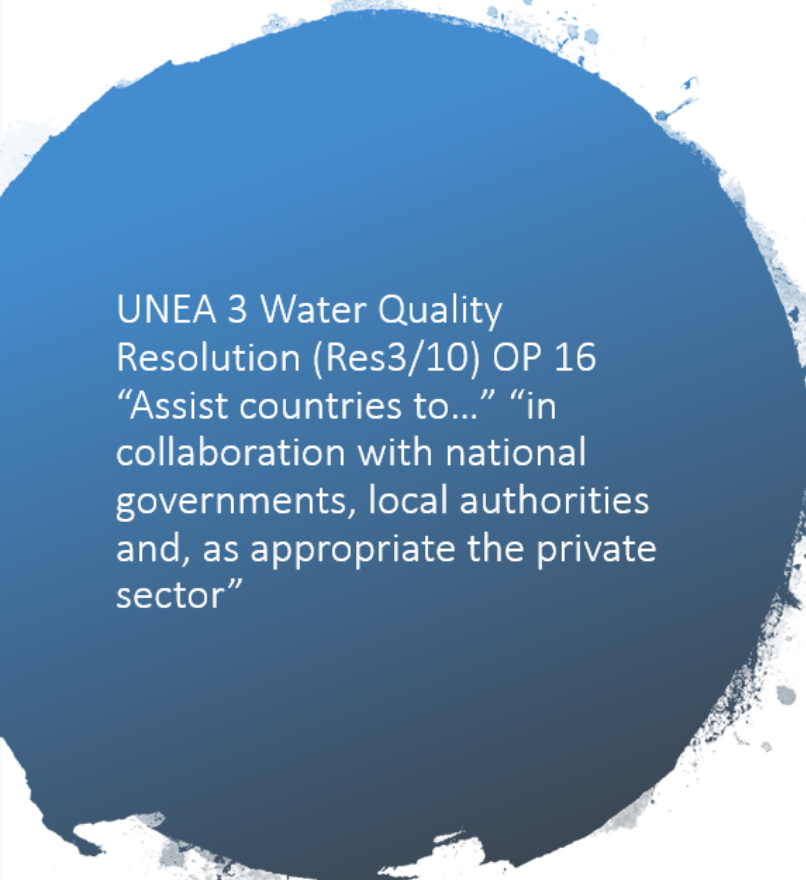Ensure availability and sustainable management of water and sanitation for all

Connecting UNEA Resolution, PoW and SDGs

- UNEA Resolution EA 3/Resolution 10, "Addressing water quality to protect and restore water-related ecosystems"

- UN Environment provides the necessary technical support to facilitate monitoring and reporting of SDG 6, to continue to adopt tools to address water pollution and ecosystem health, and to support countries in implementing IWRM approaches and address water—related impacts of disasters

Key Collaborations

- UN-Water – global analyses, SDG 6 monitoring

- Freshwater Ecosystems Unit – Freshwater Health and Changes

- GEMS/Water – Water quality

- UNEP-DHI - IWRM

- GPA – Wastewater, Nutrients, Plastics

UNEA 3 Water Quality Resolution (Res3/10) OP 16 "Assist countries to..." "in collaboration with national governments, local authorities and, as appropriate the private sector"

Assist in WQ monitoring, capacity building, and data management; information WQ testing for contaminants (new and emerging)

Strengthening capacity to reach wastewater targets including wastewater treatment options

Tools to address water pollution and ecosystem health, implement IWRM, address water-related impacts of disasters

Assessments, propose solutions, policies and technologies of invasive species, pharmaceutical contaminants, emerging pollutions; develop WWQA by UNEA – 5;

Quick overview of the UNEP Freshwater strategy 2017-2021

The Freshwater Strategy is firmly embedded and reflected in UN Environment's mandate to help countries achieve the 2030 Agenda for Sustainable Development, in particular SDG targets 6.3, 6.5, 6.6 and 11.5 as well as 16.1.

Freshwater
Strategy 2017-2021

UN environment

UN Environment core mandate and priorities for fresh water

1. Help countries **implement the Integrated Water Resources Management (IWRM)** approach for the coordinated development and management of water, land and related resources

2. **Tackle water quality degradation** in freshwater systems

3. Help countries to **monitor, protect and restore their freshwater ecosystems**

4. **Mitigate and adapt to water-related conflict and disasters** facing ecosystem functions and human communities

To maintain their functionality and services, freshwater ecosystems require among other things:

(a) A proper level of quality for the use for which they are intended (drinking, agriculture, industry, etc.) – reflected in SDG target 6.3

(b) Minimum quantities or flows, the loss of which can impact on water quality and water ecosystem health – reflected in SDG target 6.6

(c) Coordinated policies, management and decision-making across sectors, embodied in the principles of integrated water resources management (IWRM) – reflected in SDG target 6.5
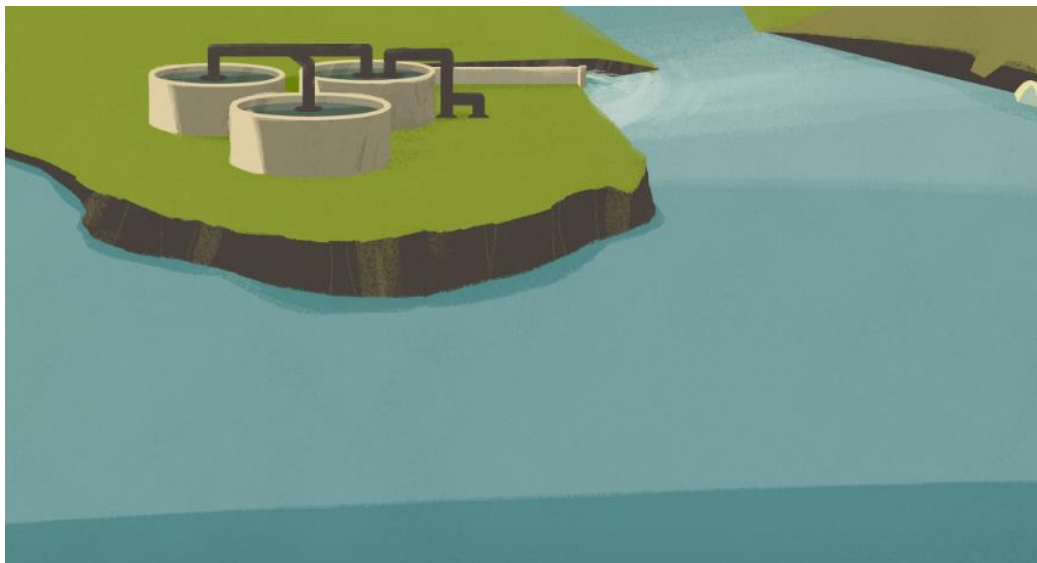
INDICATORS	CUSTODIANS
6.1.1 Proportion of population using safely managed drinking water services	WHO, UNICEF
6.2.1 Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water	WHO, UNICEF
6.3.1 Proportion of wastewater safely treated	WHO, UN-Habitat, UNSD
6.3.2 Proportion of bodies of water with good ambient water quality	UN Environment
6.4.1 Change in water-use efficiency over time	FAO
6.4.2 Level of water stress: freshwater withdrawal as a proportion of available freshwater resources	FAO
6.5.1 Degree of integrated water resources management implementation (0-100)	UN Environment
6.5.2 Proportion of transboundary basin area with an operational arrangement for water cooperation	UNESCO, UNECE
6.6.1 Change in the extent of water-related ecosystems over time	UN Environment, Ramsar
6.a.1 Amount of water- and sanitation-related official development assistance that is part of a government-coordinated spending plan	WHO, UN Environment, OECD
6.b.1 Proportion of local administrative units with established and operational policies and procedures for participation of local communities in water and sanitation management	WHO, UN Environment, OECD

UN WATER

SUSTAINABLE DEVELOPMENT GOALS

Target 6.3 Water quality and wastewater

"By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally"

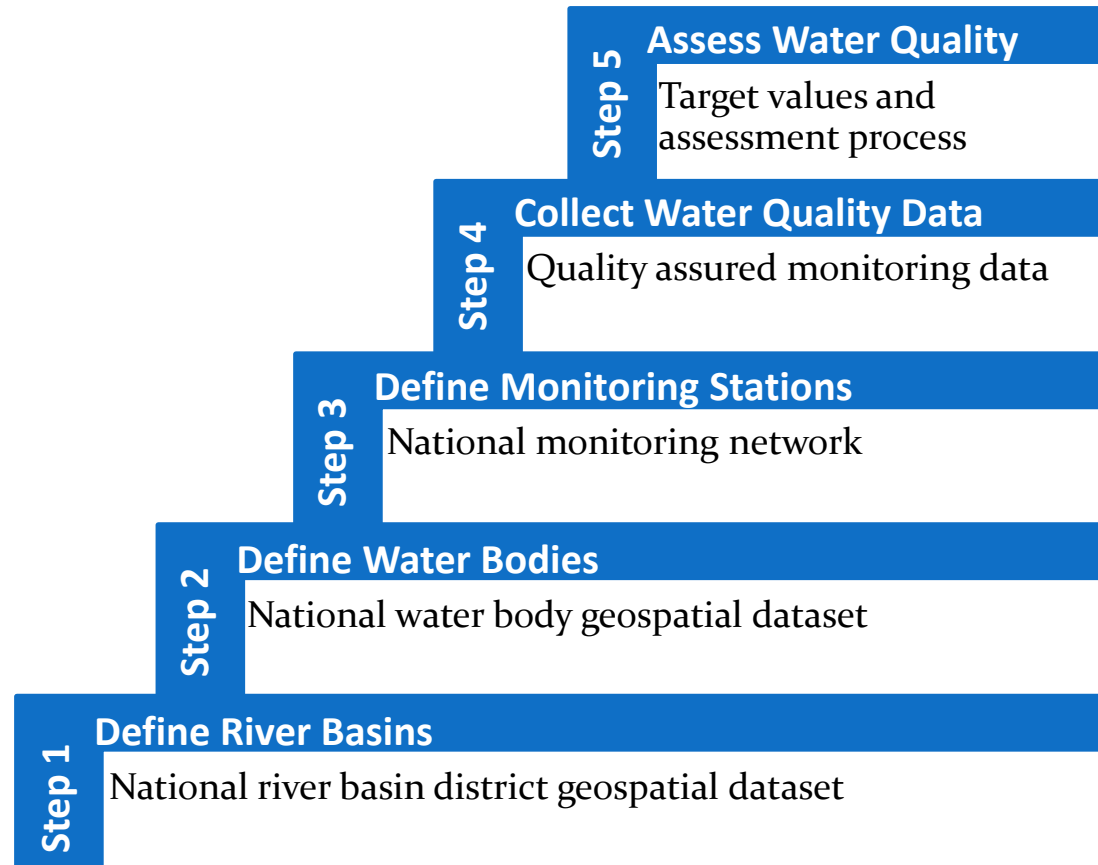6.3.2 Proportion of bodies of water with good ambient water quality

Steps of Indicator 6.3.2

Reporting on indicator 6.3.2 is divided into 5 steps

During the 2017 data drive it was recognised that many countries struggled with the implementation of several steps of the methodology
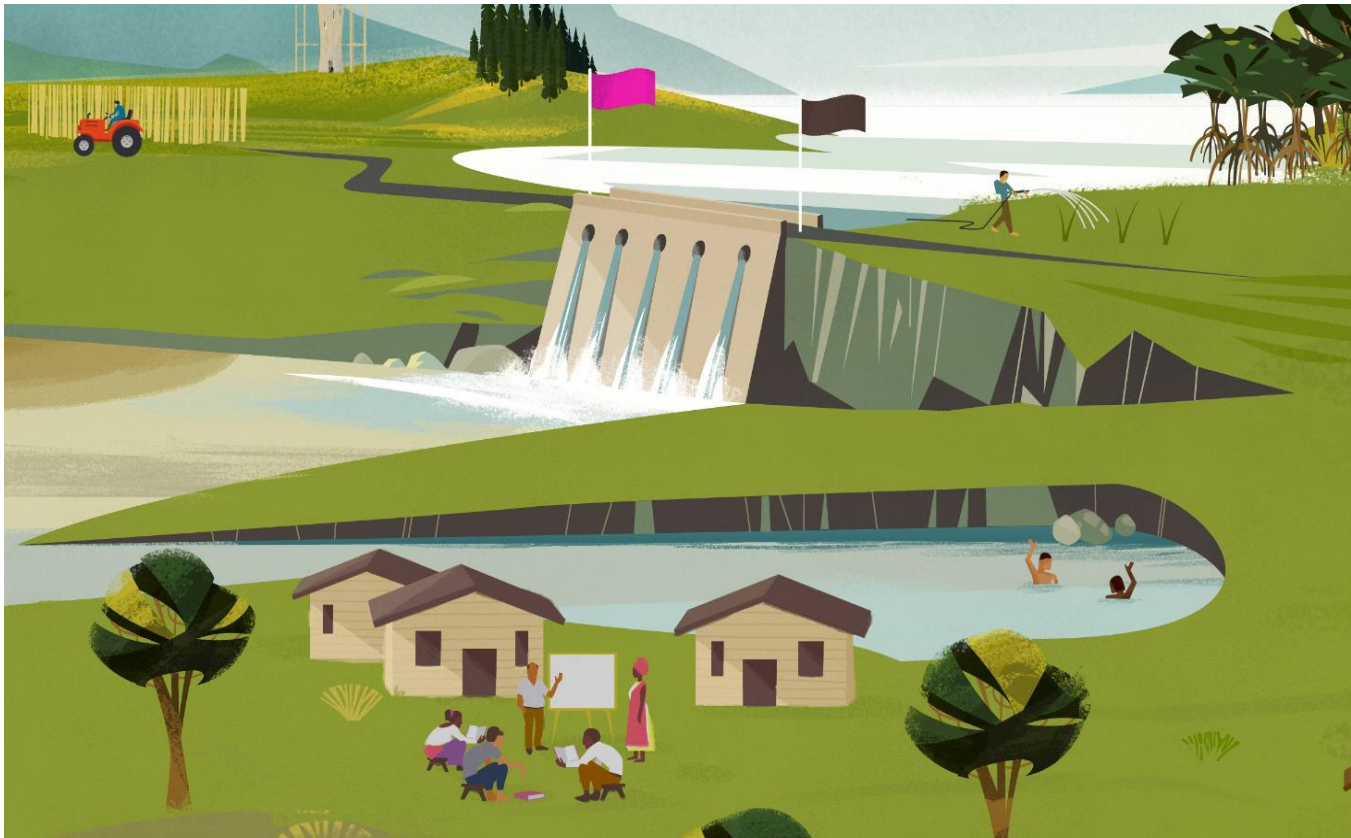
Countries are encouraged to engage with GEMS/Water at each step regardless of whether the capacity is present in the country to ensure the final global indicator calculated fulfills the indicator objectives and is globally comparable

Step 5 — Assess Water Quality
Target values and assessment process

Step 4 — Collect Water Quality Data
Quality assured monitoring data

Step 3 — Define Monitoring Stations
National monitoring network

Step 2 — Define Water Bodies
National water body geospatial dataset

Step 1 — Define River Basins
National river basin district geospatial dataset

Target 6.5 Water resources management

"By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate"

6.5.1 Degree of integrated water resources management implementation (0-100)

Target 6.5 Water resources management

6.5.1 Degree of integrated water resources management implementation (0-100)

- **National sources**: Response on IWRM questionnaire from national line ministries and institutions

- Progressively more inclusive and formal consultation processes

- **Global compilation**: UNEP

Target 6.6 Water-related ecosystems

 "By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes"

6.6.1 Change in the extent of water-related ecosystems over time

Target 6.6 Water-related ecosystems

6.6.1 **Change in the extent of water-related ecosystems over time**

- **National sources**: National line ministries and institutions, ground-based surveys

- **Progressive steps**: Earth Observations → ground-based verification → in-situ monitoring of ecosystem health
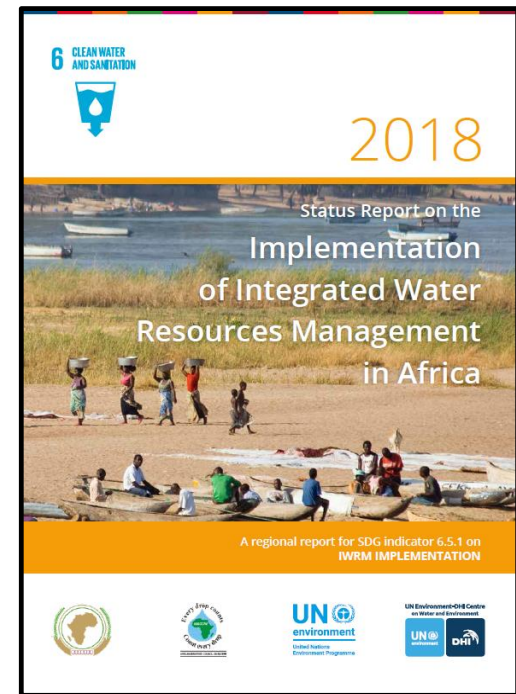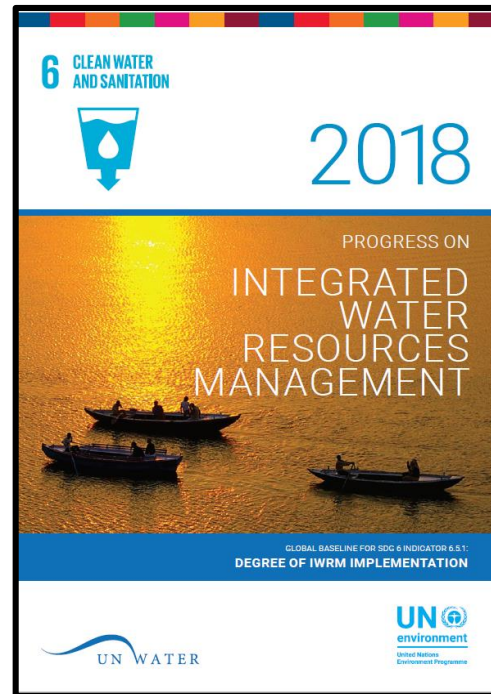
- **Global compilation**: UNEP

In progress

- Arab Region IWRM Report (June 2019)

2019
Status Report on the Implementation of Integrated Water Resources Management in the Arab Region

A regional report for SDG indicator 6.5.1 on IWRM implementation

6 CLEAN WATER AND SANITATION

2018

PROGRESS ON
INTEGRATED WATER RESOURCES MANAGEMENT

GLOBAL BASELINE FOR SDG 6 INDICATOR 6.5.1:
DEGREE OF IWRM IMPLEMENTATION

UN WATER

UN environment
United Nations Environment Programme

6 CLEAN WATER AND SANITATION

2018

Status Report on the
Implementation of Integrated Water Resources Management in Africa

A regional report for SDG indicator 6.5.1 on IWRM IMPLEMENTATION

UN environment
United Nations Environment Programme

UN Environment-DHI Centre on Water and Environment

SDG 6.5.1 data and report
http://iwrmdataportal.unepdhi.org/

More on SDG 6 monitoring
http://www.sdg6monitoring.org/

UNEP and Water
https://www.unenvironment.org/explore-topics/water

Thank You