

INTEGRATED WATER RESOURCES MANAGEMENT IN SURINAME: ACHIEVEMENTS AND CHALLENGES

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THE MANY FACES OF WATER



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WHY WE NEED GOOD WATER MANAGEMENT?

- While we enjoy an abundance of water, water-related problems occur regularly.
- Lack of drinking water in some regions, flooding during heavy rainfall and shortages of irrigation water in dry seasons.
- Water pollution, dumping of wastewater, use of pesticides and pollution from the mining sector, challenge the water quality.
- Climate change effects, such as changing precipitation patterns and rising sea levels, increase the urgency to act.

Source: Comprehensive Report on IWRM in Suriname (2019)

WHAT IS INTEGRATED WATER RESOURCES MANAGEMENT?

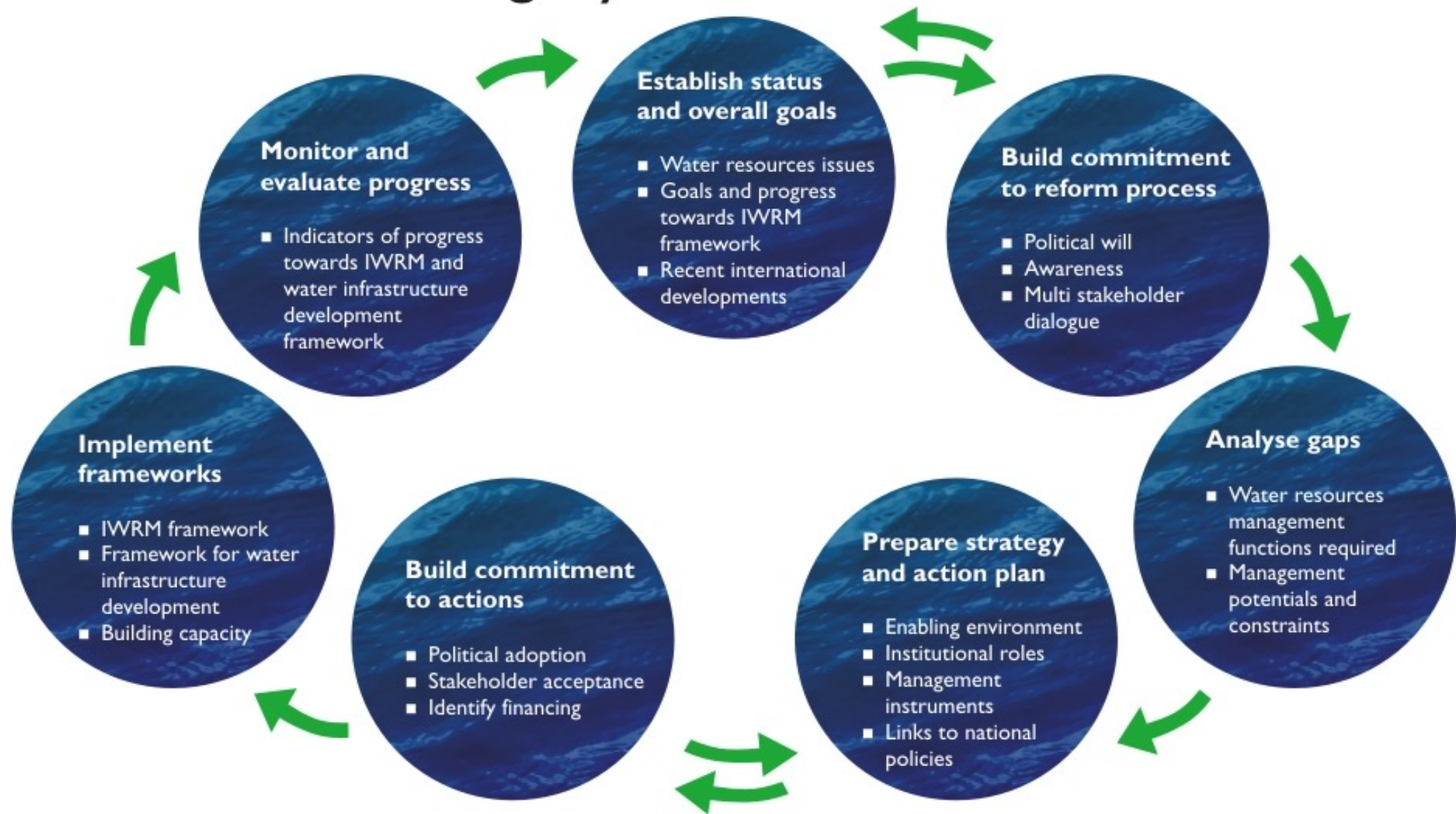
Integrated Water Resources Management is the management of surface and subsurface water in quantitative and qualitative environmental sense with a multidisciplinary and participatory perspective and focus on the needs and requirements of the society at large, with regard to water for now and in the future.

Forget this ...

Manage your water resources wisely!



The IWRM Planning Cycle



STEPS IN IWRM



SUSTAINABLE DEVELOPMENT GOALS AND IWRRM

SUSTAINABLE DEVELOPMENT GOALS



SDG 6 TARGETS ON IWRM

SDG 6 Targets Summarized By 2030...



6.1 All have access to safe and affordable drinking water



6.4 Increase water efficiency across all sectors and ensure sustainable supply of water to reduce the number of people suffering from water scarcity.



6.2 All have access to adequate sanitation and hygiene, and open defecation is eliminated



6.5 Fully implement integrated water resources management—which looks at water resources holistically.



6.3 Improve water quality by reducing pollution, minimizing release of hazardous chemicals, and halving the proportion of untreated wastewater



6.6 Protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes.

Source: United Nations



WORLD RESOURCES INSTITUTE

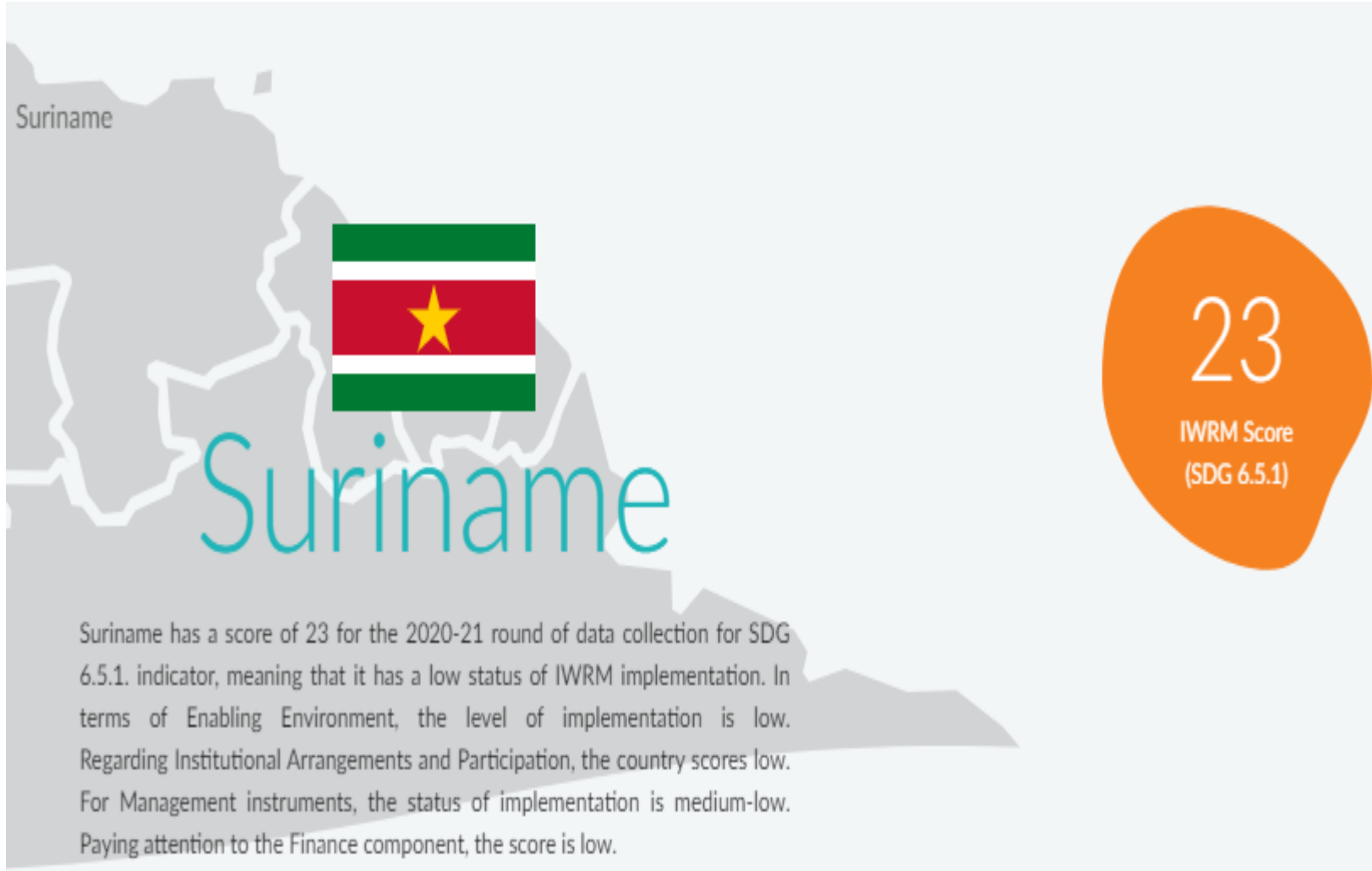
INDICATOR 6.5.1 DEGREE OF IMPLEMENTATION OF IWRM



Degree of implementation (0 – 100)

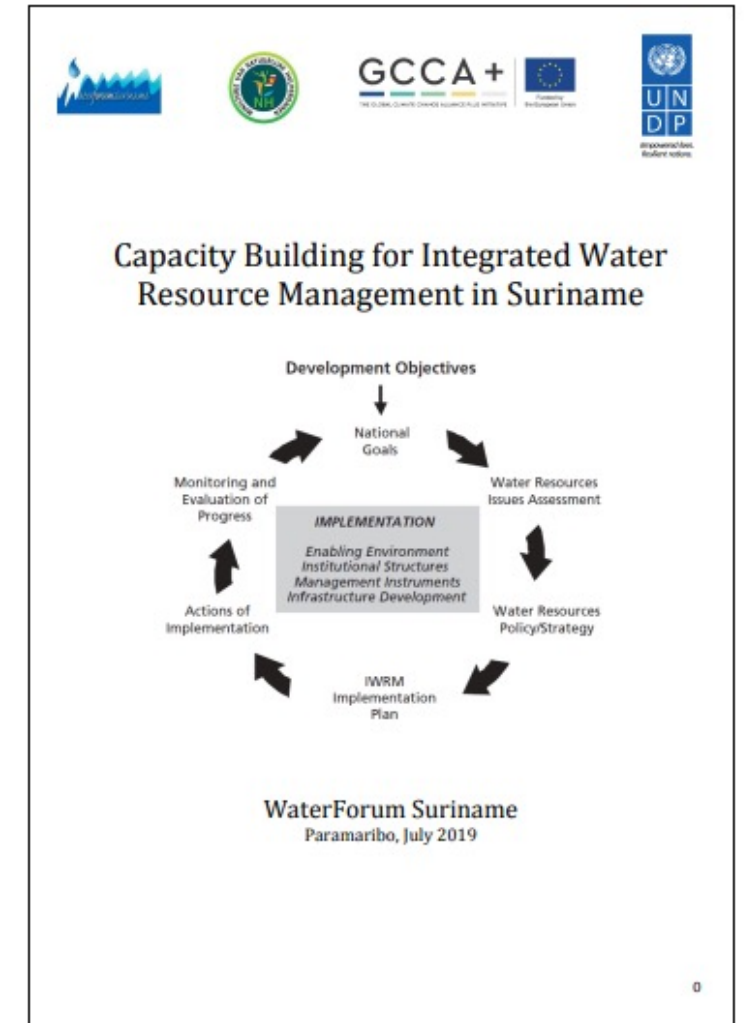
Very high (100)	Objectives consistently achieved, and periodically reviewed and revised .
High (80)	Policy objectives consistently achieved .
Medium-high (60)	Being used by the majority of relevant authorities to guide work.
Medium-low (40)	Based on IWRM, approved by government and starting to be used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

DEGREE OF IMPLEMENTATION OF IWRM IN SURINAME (2021)



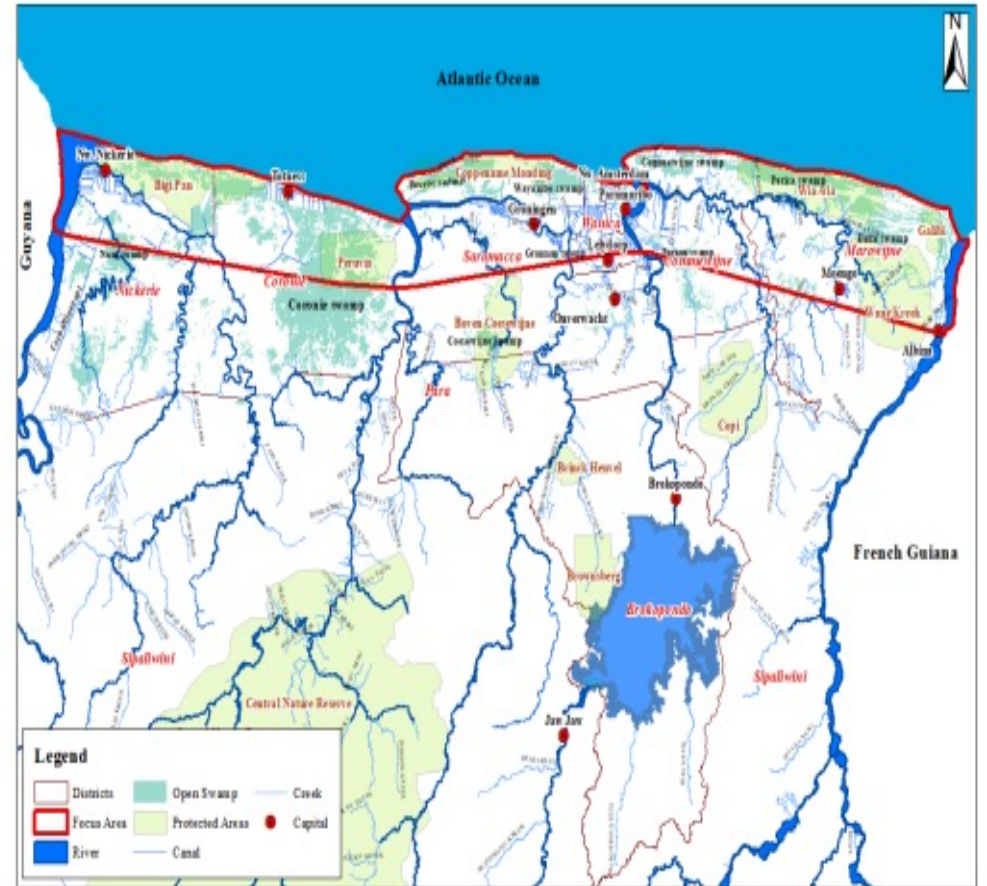
AGREEMENT UNDP/GCCA+ – WATER FORUM SURINAME (2018 - 2019)

- Project title: “*Capacity building for Integrated Water Resources Management in Suriname*”
- Project components:
 - ❖ *Awareness*
 - ❖ *Capacity building*
 - ❖ *IWRM Plan*
- Project deliverables:
 - ❖ *Situational analysis*
 - ❖ *Action Plan and Monitoring Plan*
 - ❖ *Comprehensive report on the way forward*



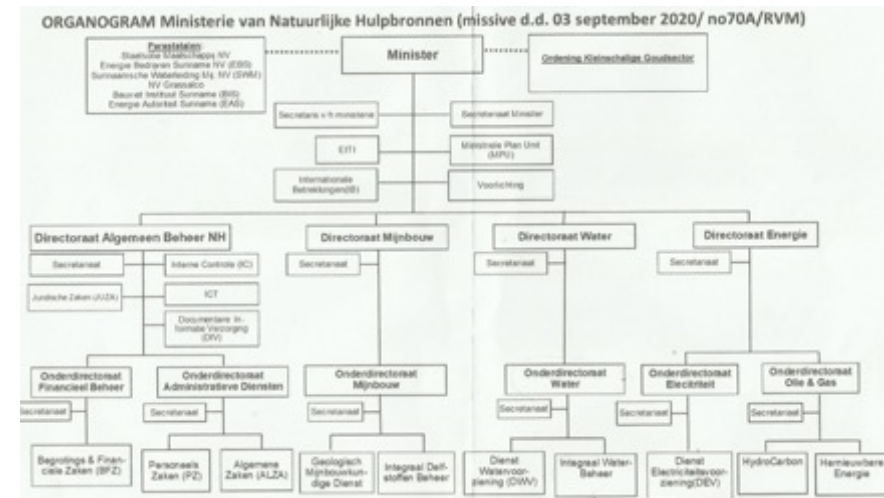
2ND AGREEMENT UNDP/GCCA+ – WATER FORUM SURINAME (2022 - 2023)

- Project title: “Capacity building for Integrated Water Resources Management in Suriname, phase 2”
- Project components:
 - ❖ Surface water quantity and quality
 - ❖ Legislation on surface water
 - ❖ National water coordination mechanism
 - ❖ Increased capacity of water professionals
 - ❖ Improved knowledge of policy makers



WHAT HAVE WE ACHIEVED SO FAR WITH IWRM IN SURINAME?

- Better analysis of the water situation;
- More attention from policy makers for an integrated approach;
- Department of Water at the Ministry of Natural Resources, with a special unit for Integrated Water Management;
- Willingness to coordinate the water sector, involving public sector, private sector and NGO's.



STILL MANY CHALLENGES AHEAD

- No national water policy plan;
- No national coordination body, water entities work separate from each other;
- Official approval of water laws delayed for a long time;
- Limited skilled human resources capacity;
- Limited data on water;
- Limited technical infrastructure;
- Lack of sufficient funding.

**Despite these challenges, there is ENTHOUSIASM
for IWRM, so LET'S GO FOR IT !**



