



Global Workshop on Source-to-sea Management
**Cross-sectoral and transboundary
cooperation: How to break down silos?**

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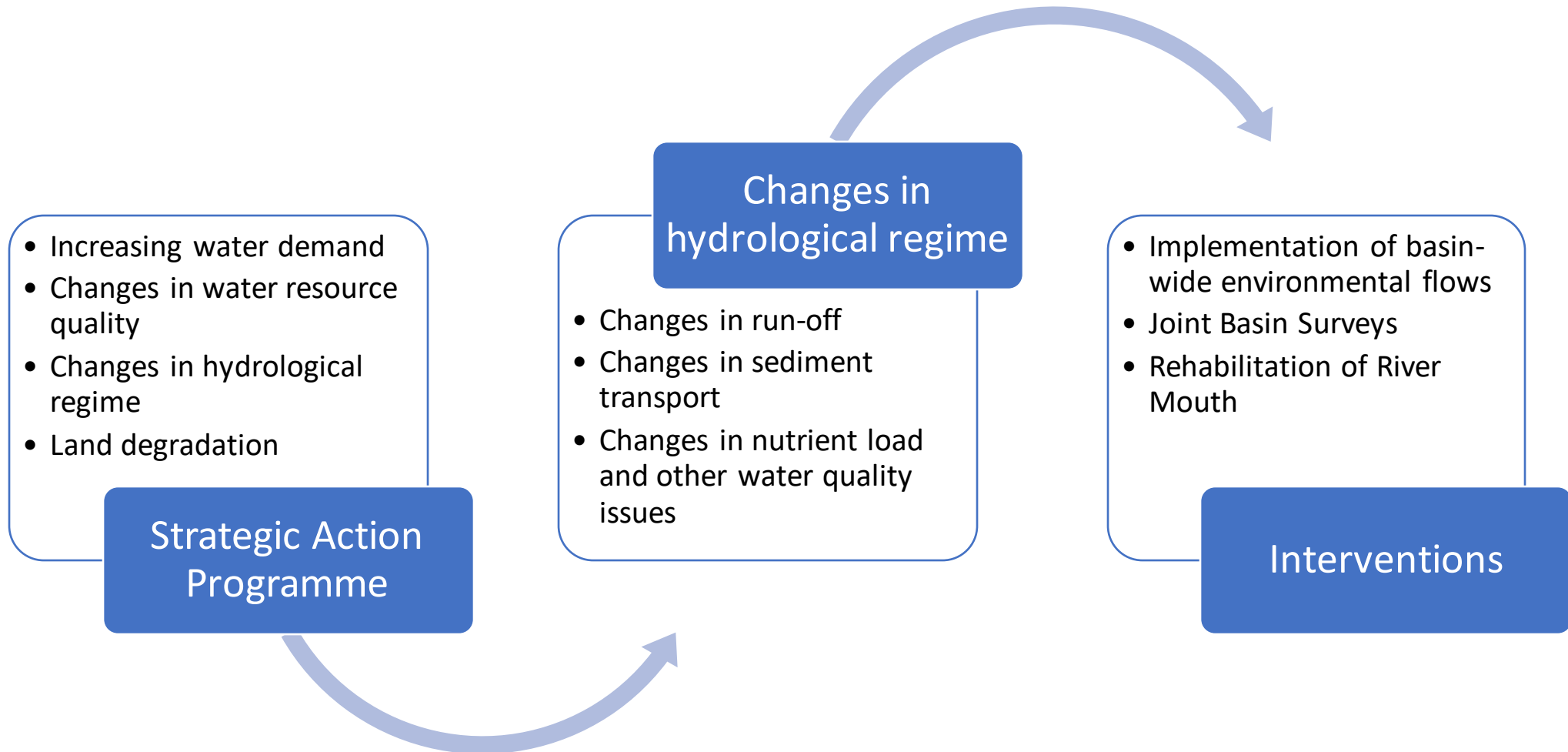
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Source to Sea Initiative in ORASECOM

- Born out of Inspiration from the ICPDR study tour in 2008 – lesson about their relationship with the Black Sea Commission.
- Initiated and enabled by GEF financed projects in both ORASECOM and the BCC.
- ORASECOM endorsed the Action Platform on Source to Sea Management in September 2017.

Addressing impacts on the Orange River Mouth

In context of source to sea concept



Implementation of basin-wide Environmental Flows



- Basin is relatively highly developed with major infrastructures – including dams
- Dam operations at national level include E-flows releases
- ORASECOM is working towards harmonisation of E-flows across State Parties; to result in implementation at basin level
 - 12 months dedicated to consultations with the four governments and other stakeholders
 - Process considers ecological needs of the River Mouth and downstream users

Joint Basin Surveys

- Every 5 years, ORASECOM conducts a Joint Water Resource Quality Survey (2010, 2015 and 2021)
 - Establishes the ecological status/trends of the River
 - Recommends management actions
- Centers around monitoring of the Aquatic Ecosystem Health (AEH) (fish, macroinvertebrates, water quality (SW and GW), diatoms of the entire river system (source to sea))
- For JBS 3, new monitoring tools were added: microplastics, eDNA and radiological analyses
- Involves the four State Parties, schools, communities, universities, private and public laboratories
- JBS 3 engaged the BCC with the aim of strengthening the link with the estuary and marine ecosystems



Rehabilitation of the Orange-River Mouth

- The two estuarine States (South Africa & Namibia) with support from ORASECOM Secretariat is implementing measures on rehabilitation of the estuary
 - The target is to restore ecological status and to have it re-listed as a RAMSAR site (South African side)
 - Involves development of estuary management plan
 - Implementation of targeted measures to mimic natural flows to the estuary
 - Monitoring of nutrient loads from irrigation



Breaking silos: Stakeholders

Primary stakeholders

- Estuary Parties (Governments Namibia and South Africa)

Secondary

- ORASECOM
- Water users: communities, mines, irrigation farmers, water utilities

ORASECOM Secretariat and BCC Secretariat collaborating to facilitate breaking of silos: (awareness creation, training, participation of stakeholders in activities)