



Empowered lives.  
Resilient nations.



United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission

# Knowledge Sharing and Networking

## Source to Sea Governance and Management

Dr. Natalie Degger  
GEF IW:LEARN  
[natalie@iwlearn.org](mailto:natalie@iwlearn.org)



# International Waters Objectives for GEF 7

- Objective 1: Strengthening Blue Economy Opportunities

## Strategic Action 1.1: Sustaining healthy coastal and marine ecosystems

- Develop and implement environmentally sustainable Blue Economy strategies;
- Establish and support existing marine protected areas in key biodiversity hotspots and coastal habitats;
- Restore degraded key habitats;
- Mainstream marine area based management and spatial tools in regional entities
- Create multi-state cooperation frameworks in transboundary deltas including an integrated S2S approach;
- Formulate and formalize cooperative legal and institutional frameworks built on TDAs/SAPs approach;
- Stimulate private sector engagement, through relevant industry sectoral roundtables and industry groups;
- Engage with national, regional and global stakeholders to increase collaboration and cross support through IW-LEARN;
- Foster collaboration among LMEs, Regional Seas conventions and RFMOs to protect and restore these key habitats.

- Objective 3: Enhance water security in freshwater ecosystems

## Strategic Action 3.3: Investments in water, food, energy and environmental security

- Supply chain approaches for increased water efficiency and reduction of ecosystems pressures;
- Increase water efficiency, reuse, and reduce point and non-point sources of pollution addressing both primary and emerging pollutants, along the S2S continuum;
- De-risk innovation in development through piloting of innovative technologies;
- Nature based approaches to improve infiltration, avoid sedimentation and erosion through IWRM and SLM;
- Protect and rehabilitate aquatic ecosystems, especially wetland areas, river banks, mangroves, and other key habitats;
- Establish minimum environmental flows to maintain healthy ecosystems and aquatic biodiversity;
- Sustain freshwater fisheries and aquaculture via improved management strategies and policy formulation processes;
- Support fragile and/or conflict affected countries, via a country based pilot to fully engage in the transboundary process

# www.iwlearn.net



[About](#) [News](#) [Events](#) [Projects](#) [Documents](#) [Learning](#) [Manuals](#) [Media](#) [LME:LEARN](#)

IWC9

## 9th GEF Biennial International Waters Conference

5 - 8 November 2018, Marrakesh, Morocco

*Sustaining International Waters Cooperation*

All content

Find

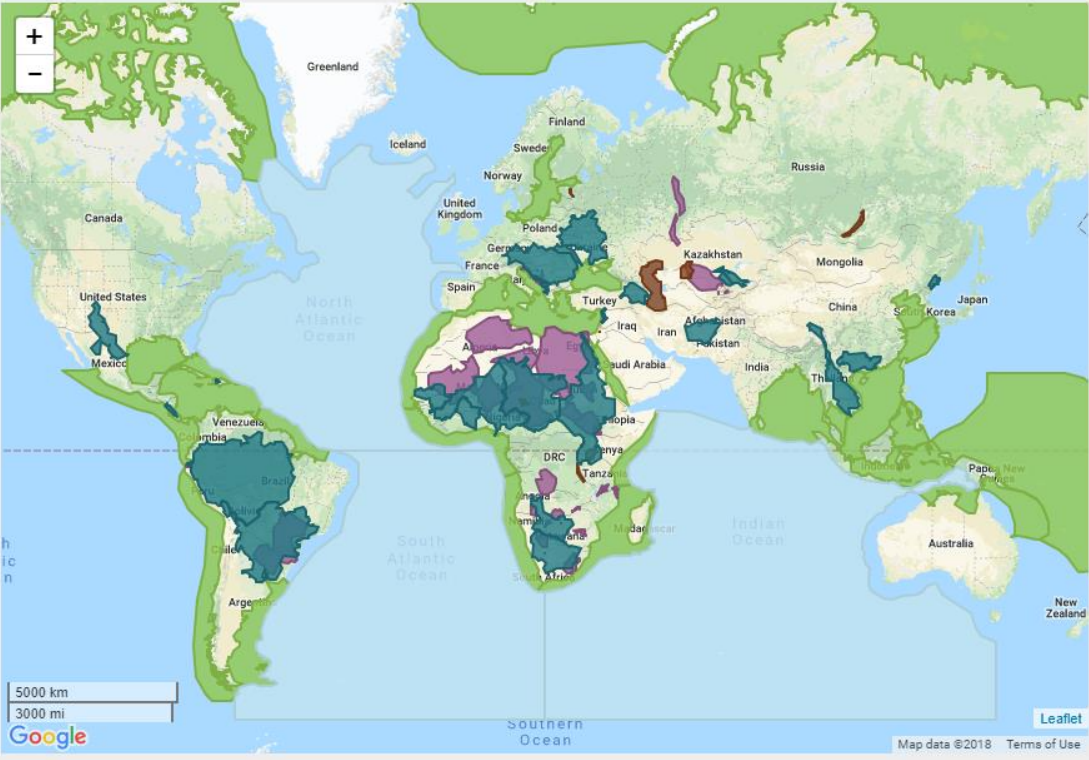
### Welcome to the home of GEF International Waters projects

IW:LEARN is the Global Environment Facility's (GEF) International Waters Learning Exchange and Resource Network. The IW:LEARN project was established to strengthen transboundary water management around the globe by collecting and sharing best practices, lessons learned, and innovative solutions to common problems across the GEF International Waters portfolio. It promotes learning among project managers, country official, implementing agencies, and other partners.



# The GEF International Waters project portfolio

Use the mapping tool to learn about specific projects, regions or waterbodies. Discover basins where the GEF has made project investments, or see all the transboundary aquifers, large marine ecosystems, lakes and river basins with or without GEF IW projects. Clicking on a specific ecosystem will inform you about key results from the basin as well as provide you a link to further details about activities, projects, documents and further content associated with the basin.



BASEMAPS

☒ Standard map

☐ Satellite

☐ Grayscale

IW LAYERS

☒ LMEs

☒ Aquifers

☒ Lakes

☒ Oceans

☒ River Basins

Discover spatial datasets at:  
[geonode.iwlearn.org](https://geonode.iwlearn.org)

GeoNode is a hosting platform for spatial data. It enhances access to information on project activities and spatial data from the GEF International Waters portfolio.

... a wide array of outputs from projects (reports, presentations, case studies, terms of reference) as well as ...  
... IF International waters. Project managers and GEF International Waters staff are invited to give their ...  
... ies, ToRs, or other documentation to be included in the document library ([info@iwlearn.org](mailto:info@iwlearn.org))

Published

Climate Variability and Change and Sea-level Rise in the Pacific Islands Region A Resource Book forPolicy and Decision Makers, Educators and other Stakeholders

AIMED AT: Policy and decision makers, educators and other stakeholders PURPOSE: The Resource Book is designed to be used widely as a tool for awareness- raising, being a summary of the latest knowledge about climate change as it relates to the Pac...

📅 06 May 2014 - results-note - project: 2586

Project results notes: F.S. Micronesia-Ridge to Reef Protecting Water Quality from Source to Sea

2012: Improvement of drinking water quality and significant reduction in pollutants entering the fresh and marine water around Pohnpei and Chuuk States

📅 26 Nov 2013 - report - project: 2701

From Source to Sea: Interactions between the Orange–Senqu River Basin and the Benguela Current Large Marine Ecosystem

Based on a more detailed scoping report and workshop, this booklet provides a comprehensive, yet succinct, summary of the interactions between the Orange–Senqu River and the Benguela ecosystem. This publication is useful for managers, while ...

Filter documents

Search for documents

source to sea

Find

Region

-- Choose

Waterbodies

-- Choose

Thematic tags

-- Choose

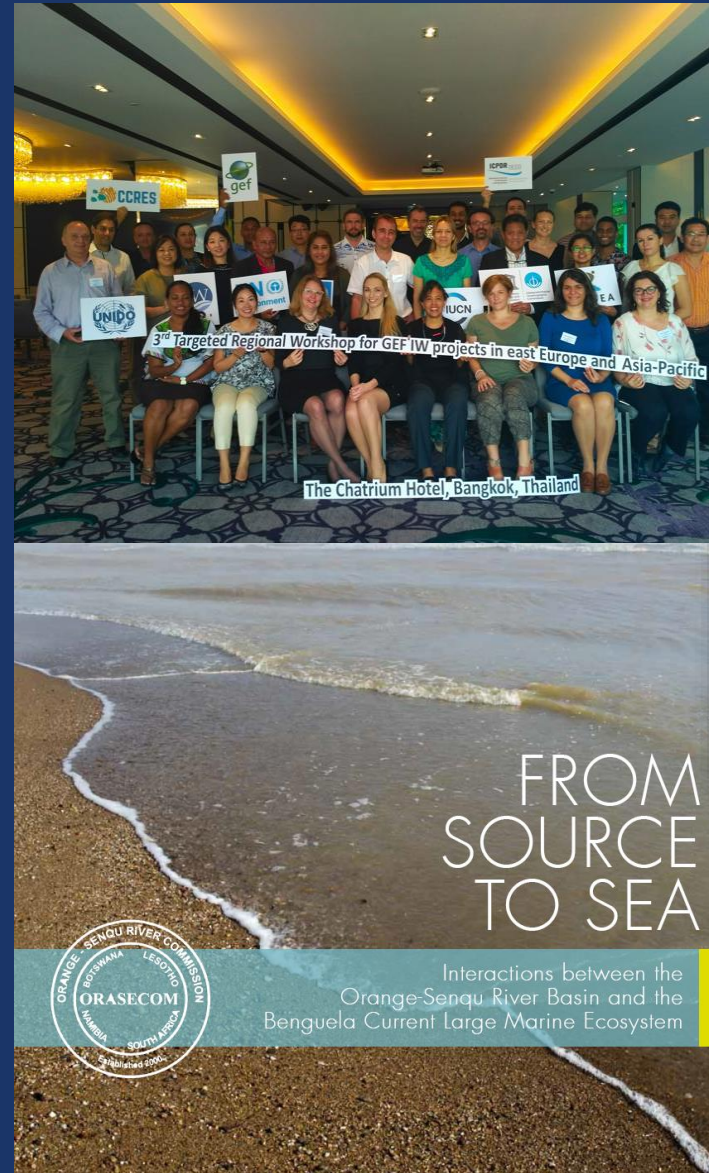
Document type

-- Choose

Visualization Tool  
(<https://iwlearn.net/iw-projects>)

Documents  
(<https://iwlearn.net/documents>)

- IWC 8 Source to Sea Theme
- Targeted Regional Workshops
- Twinning/ Learning Exchanges
- Source to Sea Action Platform
- GEF IW Experience Notes
- GEF IW Project Results Notes
- GEF IW Project Publications



Implementing Sustainable Water Resource and Wastewater Management in Pacific Island Countries

**GEF PACIFIC IWRM PROJECT RESULTS NOTE**

<http://www.pacific-iwr.org/results> RSC 4 2012

**Ridge to Reef: Protecting Water Quality from Source to Sea - FSM**

**Top 3 Project Results**

1. Joint Resolution of President and State Governors Endorsing First Framework National Water and Sanitation Policy for the Federated States of Micronesia
2. Establishment and Operation of a National Water Task Force including representation of all States
3. Protection and Rehabilitation of Riparian Zone of Main Supply in Nett Watershed



GEF IW:LEARN Sub activity 3.3.1  
Support Source-to-Sea  
Lessons Learned and Dialogues



Source to Sea: pathway to integrated effective  
management - Lessons learned and exchange of  
experiences

Workshop Summary Report

October 16 - 18, 2017

Nadi, Fiji  
Asia - Pacific Region



CONSERVATION  
INTERNATIONAL



## Lessons Learned:

- For S2S to succeed, there is a need for a much stronger than usual governance system
- Key challenges and barriers that have to be addressed to successfully design and implement S2S approaches:
  - Multiple levels of governance and different cultures
  - Lack of consistency in stakeholder and government engagement
  - Mismatch between boundaries (cultural, jurisdictional, biological) of conservation objectives
  - Limited financial resources
  - Weak capacity at all levels of management
  - Complicated and complex nature of S2S
  - Differences and conflicts of priorities amongst different groups involved





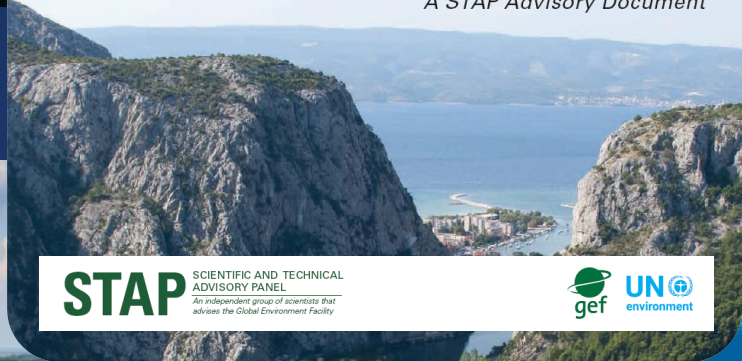
**Collaboration in the Seas of East Asia  
PEMSEA**



**Bay of Bengal LME**

A CONCEPTUAL FRAMEWORK  
FOR GOVERNING AND  
MANAGING KEY FLOWS IN A  
SOURCE-TO-SEA CONTINUUM

*A STAP Advisory Document*



**STAP** SCIENTIFIC AND TECHNICAL  
ADVISORY PANEL  
An independent group of scientists that  
advises the Global Environment Facility



**Danube River and Black Sea Collaboration**



**Caribbean Small Island Developing States  
and links to the larger Caribbean Sea Basin  
(IWCAM)**