



Food and Agriculture  
Organization of the  
United Nations

# Rice-Fish-Water Management Opportunities for GEF-7

Louise Whiting  
Water Management Specialist  
Food and Agriculture Organization

**Objective:** Prepare YOU with the information needed to design **GEF** (and other!) fundable rice-fish-water management projects.



# Recap: The GEF is looking for integrated landscape approaches



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Source: The Little Sustainable Landscapes Book

## Recap: The GEF is looking for...

1. Addressing the STAR focal areas:
  1. Biodiversity
  2. Climate change
  3. Land degradation
2. High potential/ability to generate multiple GEBs
3. Evidence of environmental threat from food production systems
4. Contribution to wider national/sub-national strategy;
5. Public sector support (policy and institutional);



## Recap: The GEF is looking for...

- ▶ Potential for achieving large-scale change;
- ▶ Demonstrated commitment to engaging the private sector
- ▶ Ability to catalyze innovations generated in technology, policy, governance, financing, and business models.



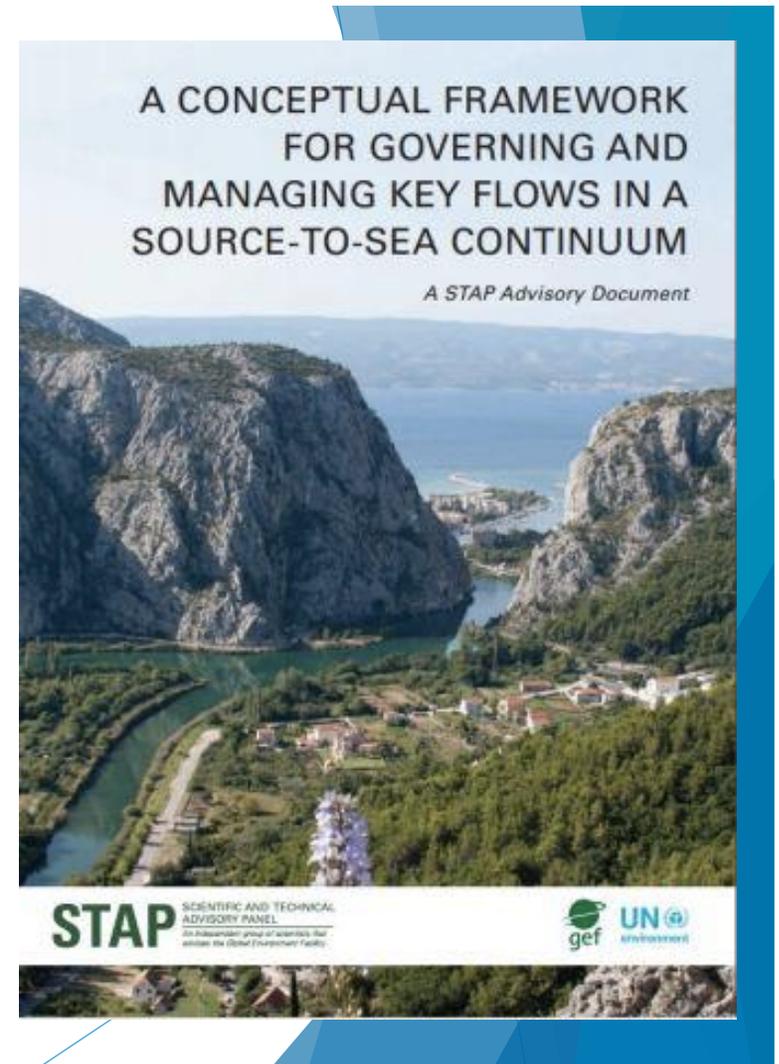
# International Waters GEF opportunities

1. Coastal ecosystems - strengthening blue economy approaches
2. Areas beyond national jurisdiction (ABNJ)
3. Freshwater ecosystems - enhancing water security



# 1. Coastal Ecosystems and blue economy: examples

- ▶ Nutrient and plastic pollution
- ▶ Voluntary Small-Scale Fisheries Guidelines
- ▶ Fisheries supply chains
- ▶ Aquaculture
- ▶ Marine spatial planning
- ▶ **Source to sea**



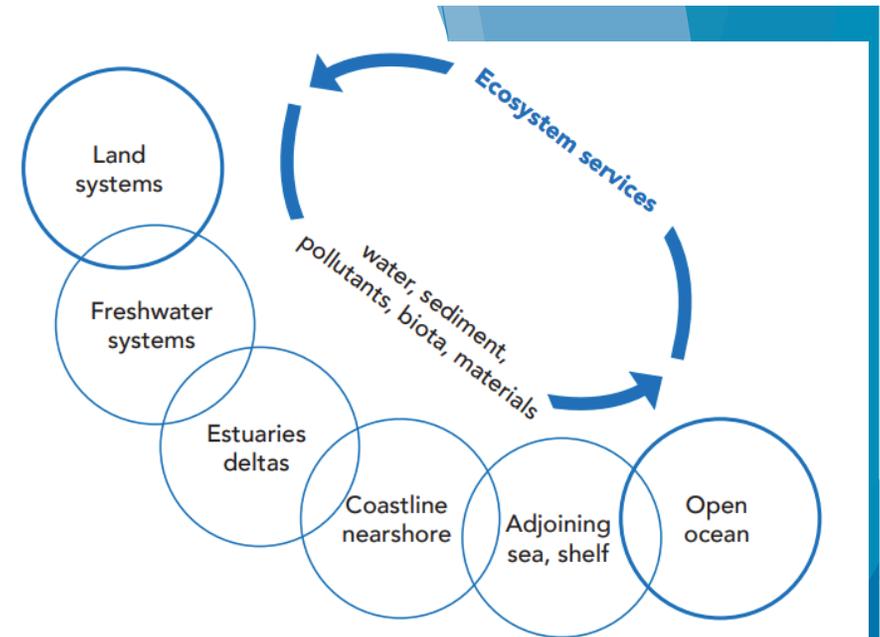
### 3. Freshwater ecosystems: Enhancing water security of *shared* waters

- ▶ Sound data and information
- ▶ Institutional and technology innovation
- ▶ Rural and urban resilience and food security
- ▶ Disaster risk management
- ▶ Point and non-point source pollution
- ▶ Freshwater fisheries and aquaculture
- ▶ Regional and national priorities, legal and institutional mechanisms



## The FAO approach to S2S

- ▶ S2S is an approach that aims to produce multiple environmental benefits along the S2S continuum
- ▶ Recognizes that agriculture and food systems are key drivers of environmental degradation across landscapes
- ▶ Uses water as an entry point for tracing ecosystem flows and developing multidisciplinary investments
- ▶ Seeks to align environmental and economic/production objectives
- ▶ Utilizes FAO's proven tools and approaches

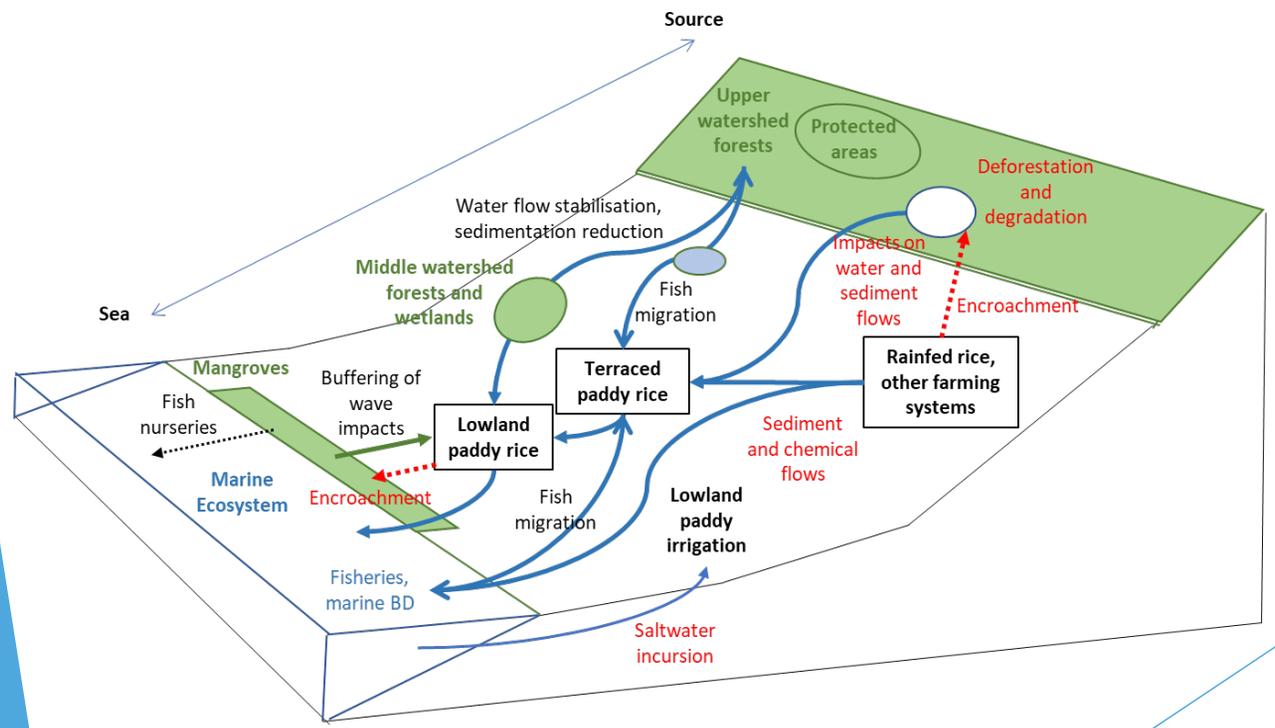


**ENHANCE positive flows (clean water, biota, biodiversity)**

**REDUCE negative flows (pollution, sediments, excess water)**

# Source-to-sea *approach* to Sustainable Rice Landscapes

Figure 1. The need for a source-to-sea approach to the sustainable management of rice landscapes



## Rice-Fish-Water:

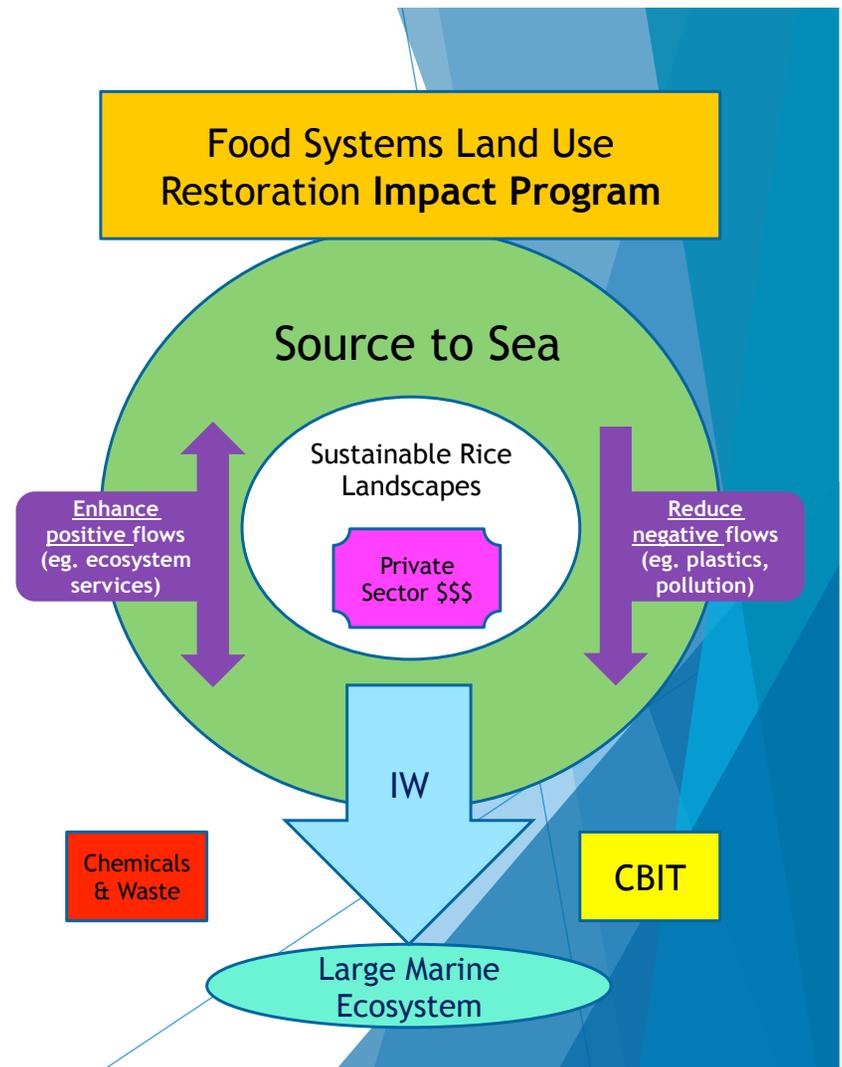
1. Landscape scale integrated approach
2. Enhances biodiversity on-farm, across watersheds, in coastal and marine areas
3. Addresses **potential threats** to successful rice-fish systems (eg. pollution from upstream)
4. Facilitates **new cooperation** between water managers and farmers
5. Climate change?

Component 1: Enabling Environment: Incentives, innovative financing, sectoral coordination, policy and regulatory reviews

Component 2: Source to Sea: Natural resource management for enhanced biodiversity off-farm, upstream-downstream harmonization, irrigation performance, watershed management, green infrastructure, wetland restoration, chemicals, coastal restoration linked to the blue economy and LMEs (IW funds)

Component 3: Sustainable Rice Landscapes: Sustainable production systems, on-farm focus, **rice-fish**, links to green value chains, IPM, biodiversity enhancement, sustainable diversification,, private sector engagement, SRP...

Component 4: Monitoring and Knowledge Management: Water and natural capital accounting, CBIT, CollectEarth, IW Learn





## Maximizing leverage of non-STAR funds: an example

Funding Source	USD
Biodiversity	\$2 million
Climate Change	\$0.5 million
Land Degradation	\$0.5 million
<b>Total STAR allocation</b>	<b>\$3 million</b>
FSLUR (2:1 ratio)	\$1.5 million
Chemicals (FAO leads globally)	\$1 million
International Waters (link S2S to East Asian Seas LME)	\$1 million
CBIT	\$1 million
Least Developed Country Fund (LDCF)	\$2 million
Private sector (eg. WBCSD, rice multinationals)	\$1 million
<b>Total Project Size</b>	<b>\$11.5 million</b>

# Things to think about...



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- ▶ Which stakeholders should be involved in project design?
- ▶ Does the project meet GEF (or other) funding criteria?
- ▶ Are there other donors available?
- ▶ What are the next steps to progress the initial project idea?

