# **Ecosystem Restoration through Managing Socio-Ecological Production Landscapes and Seascapes (SEPLS)**

# Satoyama Initiative Thematic Review Volume 8 (SITR-8) 8 July 2023

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# **OVERVIEW:**

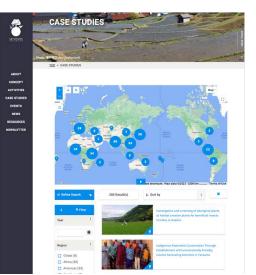
# Satoyama Initiative Thematic Review (SITR)

- A compilation of case studies by <u>IPSI members</u> providing knowledge and lessons related to Socio-Ecological Production Landscapes and Seascapes (SEPLS)
- Collects experiences and relevant knowledge, especially based on activities on-the-ground.
- Includes a synthesis to clarify the relevance to policy and academic discussion and to help feed lessons learned back to the field.



#### Enhance the understanding of SEPLS

- Feed into the IPSI to accelerate and facilitate activities for SEPLS
- Disseminate IPSI knowledge to the international community and contribute to policy recommendations



# *Hot topics of the SITR volumes*



Springer

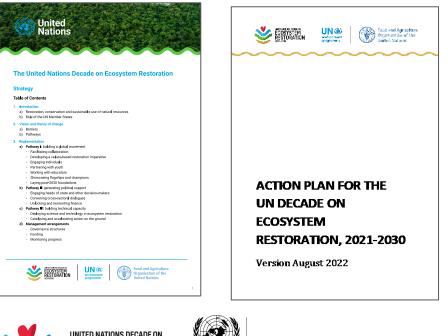
- Vol. 1: Enhancing Knowledge for Better Management of SEPLS (Tools and approaches)
- Vol. 2: Mainstreaming the Concepts and Approaches of SEPLS into Policy and Decision-Making (Mainstreaming strategies)
- Vol. 3: Sustainable Livelihoods in SEPLS (Natural and social resilience)
- Vol. 4: Sustainable Use of Biodiversity in SEPLS and Its Contribution to Effective Area-Based **Conservation** (Contribution to Aichi Biodiversity Target 11)

- Vol. 5: Understanding the Multiple Values Associated with Sustainable Use in SEPLS (Contribution to IPBES Value assessment)
- Vol. 6: Fostering Transformative Change for Sustainability in the Context of SEPLS (Contribution to IPBES Transformative Change assessment)
- Vol. 7: Biodiversity-Health-Sustainability Nexus in **SEPLS**
- Vol.8: Ecosystem Restoration through Managing **SFPLS**

## **UN Decade on Ecosystem Restoration**

UN declared 2021-2030 as the "UN Decade on Ecosystem Restoration" with the aim at supporting and scaling up efforts to prevent, halt and reverse the degradation of ecosystems worldwide and raise awareness of the importance of successful ecosystem restoration.

- March 2019: UNGA Resolution adopted at the 73rd session
- September 2020: Strategy (and visual identity) released
- June 2021: Officially launched
- August 2022: Action Plan released
- Lead agencies: UNEP and FAO
- Partners : 226 agencies (2 lead agencies, 17 collaborating agencies, 3 funding partners, 14 global partners, 56 supporting partners, 136 actors)
- UNU: a collaborative agency







# **"ECOSYSTEM RESTORATION" IS A PROCESS OF:**

- reversing the degradation of ecosystems to regain their ecological functionality; in other words, to improve the productivity and capacity of ecosystems to meet the needs of society (UNEP 2019) – UN Decade on Ecosystem Restoration
- assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed (SER, 2002)
- assisting the recovery of a degraded, damaged, or destroyed ecosystem to reflect values regarded as inherent in the ecosystem and to provide goods and services that people value (Martin 2017).

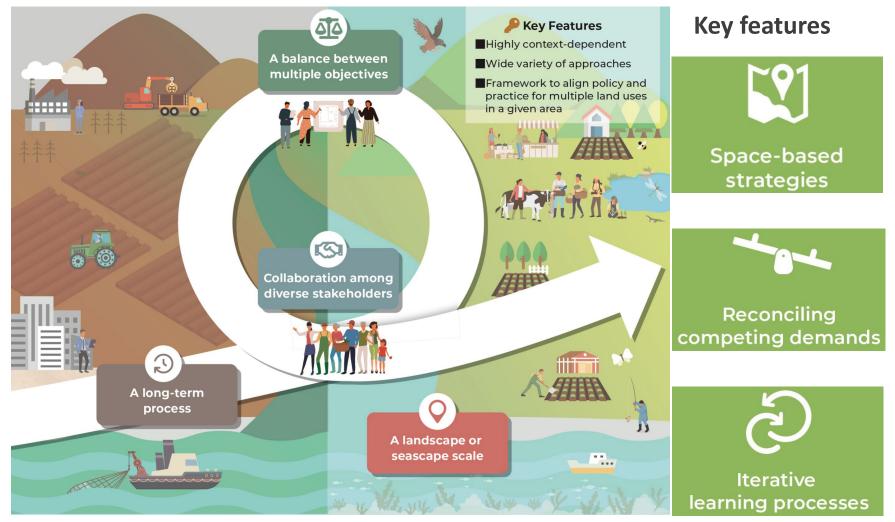


The links between the environment and Sustainable Development Goals (SDGs)

https://www.decadeonrestoration.org/about-un-decade

The UN Decade on Ecosystem Restoration is a rallying call for the protection and revival of ecosystems all around the world, for the benefit of people and nature. It aims to halt the degradation of ecosystems, and restore them to achieve global goals. Only with healthy ecosystems can we enhance people's livelihoods, counteract climate change, and stop the collapse of biodiversity.

## Landscape approaches



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## **SITR VOL. 8:** *Ecosystem restoration through managing SEPLS*

How can the efforts in managing SEPLS prevent, halt, and reverse land and sea degradation, contributing to ecosystem restoration and sustainable development?



The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.

\* Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the Parties.

\*\* Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined.

#### **KEY FINDINGS:**

#### Landscape approaches to ecosystem restoration

- Landscape approaches can facilitate ecosystem restoration in a synergistic manner
  - Taking advantage of social-ecological diversity
  - Leveraging indigenous and local knowledge
  - Enhancing context-specific cooperation among stakeholders who engage in various activities associated with SEPLS management
- Embedding biodiversity in implementing landscape approaches to ecosystem restoration allows for sustenance of biocultural heritage and diversity and human well-being.



Ghana: Women carrying seedlings for restoration (Source: A Rocha Ghana, 2020, Photo credit: IUCN)



Nepal: Laying foundation stone by the Provincial Forest Minister (Photo credit: Back to Nature, 2020)

# KEY FINDINGS: Challenges & opportunities in meeting ecosystem restoration goals

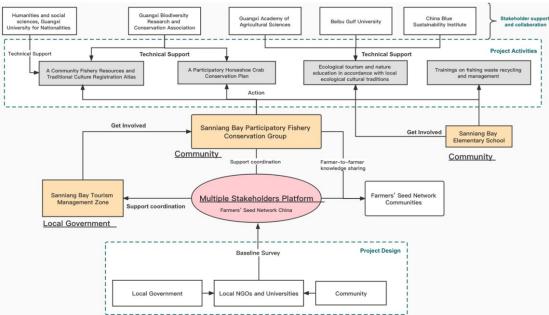
### Challenges

- Secure or raise capacities and resources for initiating the effort
- Promote and facilitate the initiative in a concerted and coordinated way among different stakeholders
- Sustain the effort and if needed, adapt it to changes.

### Opportunities

- Bringing together multiple stakeholders on a common platform through landscape approaches
  - negotiate different needs and interests
  - share knowledge and learn from each other
  - motivated to take action, mobilise resources, and collaborate on restoration.
- Each of the stakeholders (IPLCs, youth, women, private sector, government, scientists) plays a key role in planning and implementing restoration efforts.

# Multi-stakeholder platform for coastal ecosystem restoration and sustainable livelihood in Sanniang Bay in Guangxi, South China



#### Roles of stakeholders related to the project



Villagers map out the community's natural and cultural resources



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Horseshoe crabs being released under the "Send Horseshoe Crabs Home" Initiative & Daily Catch Monitoring Form "X" Plastic Concert

## RECOMMENDATIONS

- The process of ecosystem restoration through managing SEPLS should be:
  - multi-lateral, iterative, and inclusive
  - navigated by communicating and interacting with the stakeholders across different sectors and levels
- The three steps (not mutually exclusive) could be repeated and modified throughout the planning cycle:
  - start from a landscape or seascape scale 1)
  - promote peer learning and knowledge sharing 2)
  - institutionalize local solutions into coherent policies and frameworks 3)



Ghana: Creation of fire belt by Community Fire Volunteers (Source: A Rocha Ghana, 2021, Photo by A Rocha Ghana)

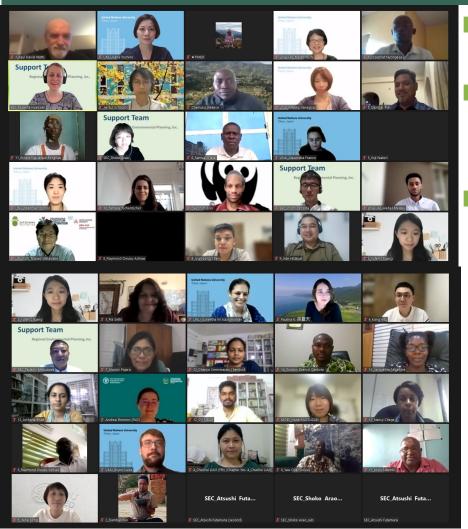


Kenya: Stakeholders meeting (Photo: Taiwan: Course on water quality Agnes Nailantei, MWCT 2021)



assessment in the Mao'ao community 11

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# To be published as an "Open Access" Book from Springer Nature very soon https://link.springer.com/book/9789819912919

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