

Knowledge by Tourism



Travel by nature

Tipligheri

The Mysterious Mangrove

SOUTH ASIAN FORUM FOR ENVIRONMENT

A registered civil society organisation for sustainable development and poverty alleviation in the Indian Ecoregion. (Major stakeholder in UN Environment and in consultative status with ECOSOC & UNFCCC)

About South Asian Forum for Environment, SAFE

SAFE is a registered non-profit civil society organization working at science-society interface towards sustainable environment development and poverty alleviation in the Indian eco-region of South Asia since year 2004. A major stakeholder in UNEA and in Consultative Status with ECOSOC, UNFCCC, Gender-CC. To address to the impending impacts of climate change can be ascertained only by forming strong alliances and through global participation. SAFE has a focal directive on Sustainable Development Goals, and proactive partnerships are extremely valuable to SAFE which remains an integral part of the organization's work approach. SAFE believes that it is important to highlight the collective action across various sectors towards climate initiatives in Indian eco region as this will enrich our collective delivery and ascertain our nation's climate commitments in the global arena.

The objectives:

- To develop grass-root based action research and resilience in climate vulnerable coastal areas, flood plains and drought prone landscapes.
- To work towards the Sustainable Development Goals, with focus on climate action, food security and poverty alleviation.
- To develop livelihood opportunities & Community preparedness through technology cooperation towards adaptive mitigation.
- To promote biodiversity conservation & ecological restoration in tender ecosystems, wetlands, rainforests and including high-altitude terrains.
- To realize Biorights and Payment of Environmental Services (PES) towards financial inclusion and social mainstreaming of commons.
- To create Environmental awareness and Community governance towards reciprocal, equal and participatory conservation for policy implications.

The segments covered in 'Living Lab':

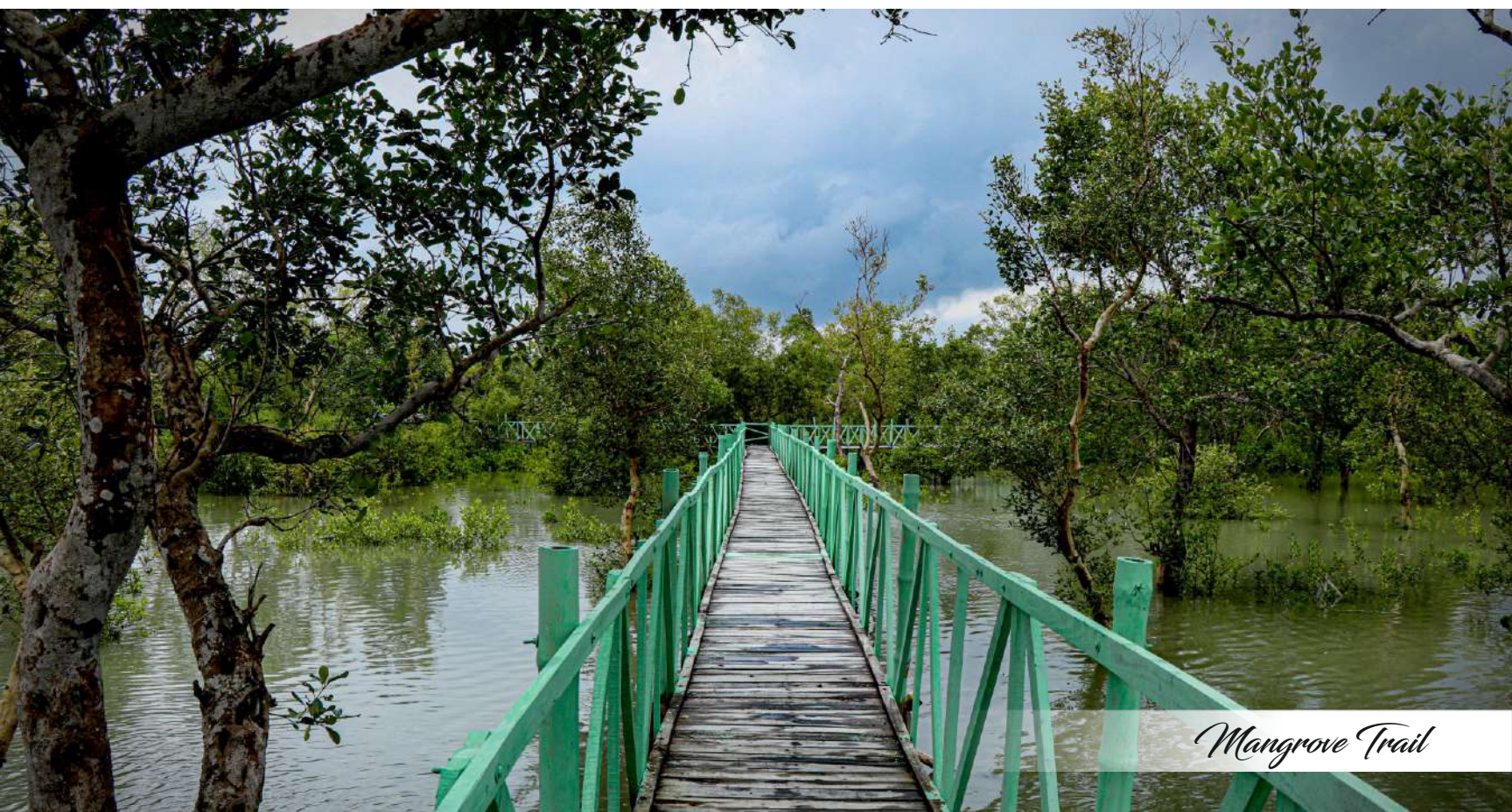
- a) **Sustainable Development Ethics:** Contrasting paradigm on emission and poverty, livelihood and biodiversity, political ecology, sustainability trap.
- b) **Sociometry and Action Research:** Sample Selection, NAS & LVI, Risk Communication, data analysis, statistics, strategic assessment tools.
- c) **Sustainable Cities:** WASH, ISWM, Vertical Garden & Heat-Island Effect, AQI,
- d) **Water-energy-food Nexus in Climate Milieu:** Climate change resiliency, alternative livelihood, food and water security, preparedness development,
- e) **Inequality and climate change:** Gender and poverty, SDGs, indexing sustainability, future uncertainty calculation, risk assessment.
- f) **Circular economy in community livelihood:** Basics of circular economy, community-based energy-water-waste circular model, community stratification and participatory resource budgeting
- g) **Right based conservation & Environmental Justice:** Right-based conservation, Biorights, water bank, conservation tourism, agro-biodiversity conservation, simulation of resources mapping, resources pricing quantification, compensation and limitations, ecosystem benefit.

CRACK

CRACK (Center for Community Resilience Adaptation and Climate Knowledge) is integral to the community climate-change adaptability program of SAFE. The CRACK Center is the first of its kind, 'Living Lab' in the nation to combat climate change in the disaster den of climate vulnerable Sundarbans.



Crack Centre



Mangrove Trail



The ongoing initiatives under CRACK center:

1. Climate innovation and community-based resilience and adaptation, new knowledge learning center.
2. Developing Germplasm Conservation Unit and Endemic Seed Bank for natural resource management.
3. Installing Referral Agricultural Cyber Center for post disaster agro-environmental crisis management.
4. Extending Capacity building-facility for climate adaptive alternative livelihood.
5. Preparing low-cost Disaster mitigation hub with a multipurpose cyclone shelter.
6. Climate Change Observation Center with working laboratory for ecological health studies.
7. Research studies to understand the water-energy-health and poverty nexus for effective climate mitigation plans.
8. Water, sanitation under WASH program, using renewable energy technology to provide clean water to marginalized communities in rural, semi-urban, and urban areas.
9. Enhance health care systems at grassroot levels, COVID-19 pandemic has created new poverty and inequality in society, and SAFE promotes community-cohesion approach for improved human health and well-being.
10. Building capacities with skill development training programs for increased income, improved life conditions with composite efforts fostering transformative change.

The features of the SAFE, Climate Knowledge center:

Some of the unique features integrated to the CRACK center for learning for participants from all sectors :

1. Multiple-Resource facilities for local community, participants and partners for hands-on learning through exposure visits and interactive workshops.
2. Green energy to support de-salination water treatment and purification plant for clean drinking water and lab and other facilities of the knowledge center.
3. Greenhouse, mangrove nursery and Field-testing facility for Climate Resistant Crops, building participatory approach to action research and implementation.
4. Basic meteorological observatory and installation of Nodal Early Warning System (NEWS) with digital-networking and toll-free cell connectivity.
5. Ecology Field Station with GIS-RS and hazard zone mapping facility.
6. Disaster trauma assistance Infirmary and a Community Health Centre (CHC) First-Aid facility.
7. The greenhouse would facilitate as field acclimatization and gardening of tender endemic plants of the locale, along with medicinal plant beds to promote health entrepreneurship of local women self-help groups.
8. A Fog-harvester, windmill, and a telescope for students learning in a recreational way.



*Environmental
Education
Facilities*

Laboratory
Seed Bank
Medicinal plant bed
Fog Harvesting
Hut for meeting
Crop Field



Global Partnership for Local Action

SAFE invites partnership from different International and National Level Organizations for this endeavor. National Natural Resource Management Committee of NABARD, Central Inland Fisheries Research Institute, Indian Institute of Technology, Kharagpur, West Bengal Green Energy Development Corporation Ltd, Indian Council of Agricultural Research, ICAR, and allied national and international partners.





**SAFE requests your valued participation
for this one of its kind initiatives.**

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