



INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM), PUNE
ENVIRONMENTAL INFORMATION, AWARENESS, CAPACITY BUILDING AND
LIVELIHOOD PROGRAMME (EIACP)
PROGRAMME CENTRE - RESOURCE PARTNER (PC-RP)
(Ministry of Environment, Forest & Climate Change, Govt. of India)

November 2024 Report: Advancing Sustainability and Community Engagement



1. **Name of the EIACP Centre:** Indian Institute of Tropical Meteorology, Pune.
2. **EIACP Hub or Resource Partner:** EIACP Resource Partner
3. **Month for which report is being submitted:** November-2024
4. **Summary of achievement**

In November 2024, IITM-EIACP PC-RP, Pune, conducted impactful events focused on environmental awareness and sustainable practices, engaging diverse audiences and fostering ecological responsibility.

Environmental Awareness at Sant Dnyaneshwar Maharaj Samadhi Sohala, Alandi. This awareness event, conducted during the culturally significant Sant Dnyaneshwar Maharaj Samadhi Sohala, sensitized 450 individuals on adopting sustainable lifestyles under the Mission LiFE initiative. The participation of NSS students from MIT College, Pune, enhanced the event's impact, as they actively engaged with devotees to share insights on eco-friendly practices. The event aligned with the spiritual ethos of the Sohala while promoting environmental stewardship.

Best GIS Project Showcase Competition 2024
The International GIS Day competition showcased innovative GIS projects addressing global issues such as climate change, urban pollution, and extreme weather events. Thirteen participants presented data-driven solutions, highlighting GIS's potential in addressing environmental challenges. This online event reinforced IITM-EIACP's commitment to empowering the GIS community and fostering sustainable development.

Through these initiatives, IITM-EIACP reached over 663 individuals directly, advancing its mission to raise awareness, promote sustainable practices, and inspire meaningful action toward environmental conservation.

Highlights:

- Community engagement at Alandi yatra,
- GIS Project Showcase Competition

i. Activities under Environment Days/ Special days:

High resolution Geotagged Photos of all days celebrated.

Sr. No.	Environment Days/ Special days	Description of event	Place/s of activity	Number of participants	Partners
1	International GIS Day	The International GIS Day 2024 Competition, organized by IITM-EIACP PC-RP, concluded on a high note, showcasing the incredible potential of Geographic Information Systems (GIS) in addressing global challenges.	Online	13	
2	World Environment Protection Day	Spread awareness through social media.	Online	200	



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WORLD ENVIRONMENT PROTECTION DAY (26TH NOVEMBER) PROMOTES GLOBAL AWARENESS AND ACTION FOR PROTECTING THE ENVIRONMENT, FOCUSING ON ISSUES LIKE POLLUTION, DEFORESTATION, AND CLIMATE CHANGE TO ENSURE A SUSTAINABLE FUTURE.



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संविधान दिवस: 26 नवंबर 2024

संविधान दिवस के अवसर पर, पर्यावरण से संबंधित एक प्रेरणादायक संदेश:

"हमारे संविधान में दिए गए मौलिक कर्तव्यों में से एक है—प्रकृति और पर्यावरण की रक्षा करना। स्वच्छ हवा, साफ पानी, और हरियाली से भरा वातावरण हर नागरिक का अधिकार है और उसकी जिम्मेदारी भी। आइए, आज संविधान दिवस पर यह संकल्प लें कि हम पर्यावरण संरक्षण के लिए हर संभव प्रयास करेंगे। पर्यावरण बचाकर ही हम अपने और आने वाली पीढ़ियों के भविष्य को सुरक्षित कर सकते हैं।"

🌿 "संविधान और पर्यावरण—दोनों का सम्मान करें, दोनों की रक्षा करें!"



Awareness posts on social media.

ii. Activities under plantation drive campaign “Ek Ped Maa ke Naam”

- a. Description: - Nil
- b. Number of participants: - Nil
- c. Name of Location/s where activity was carried out: - Nil
- d. Partners: - Nil
- e. Geotagged Photos: - Nil

iii. Mission LiFE Activities:

a. Title: Environmental Awareness at Sant Dnyaneshwar Maharaj Samadhi Sohala.

Description: On 27/11/2024, Wednesday, IITM-EIACP PC-RP, Pune, organized an impactful environmental awareness event during the Sant Dnyaneshwar Maharaj Sanjivan Samadhi Sohala. This annual celebration attracts lakhs of devotees from across Maharashtra and beyond, commemorating the legacy of Sant Dnyaneshwar, a revered saint, poet, and philosopher of the Bhakti movement. The event holds immense cultural and spiritual significance, as devotees gather to honour his teachings and life.

During the Sohala, which sees over 6 lakh devotees visiting the temple, IITM-EIACP engaged the public through interactive sessions to promote sustainable living under the Mission LiFE (Lifestyle for Environment) initiative. The event successfully sensitized 450 individuals on adopting eco-friendly practices and reducing their environmental footprint.

Adding strength to the campaign, students from the NSS unit of MIT College, Pune, actively participated in the awareness drive. Their enthusiasm and dedication enhanced outreach efforts, as they interacted with devotees and shared insights on the importance of sustainability in everyday life.

Through the combined efforts of IITM-EIACP and the NSS volunteers, this initiative highlighted the relevance of adopting environmentally conscious practices, aligning with both the spiritual ethos of the Sohala and the global call for climate action. It was a meaningful step toward fostering ecological responsibility among a large and diverse audience during this culturally significant event.

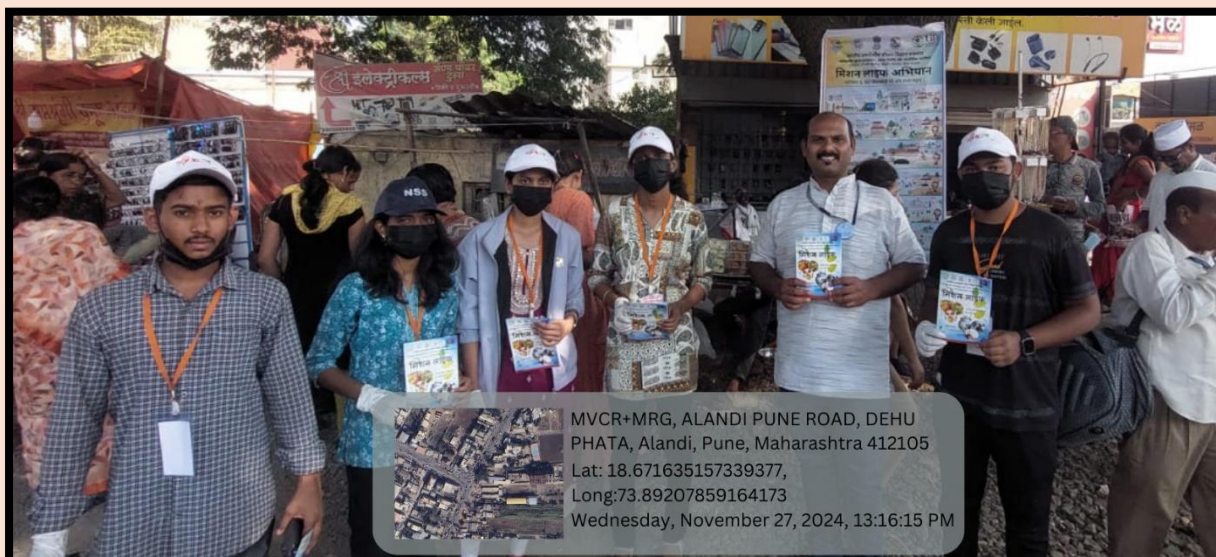
Highlights: Mass Awareness, NSS

b. Number of participants: 450 peoples.

c. Partners: Nil

d. Name of Location/s where activity was carried out: Alandi, Pune

e. Geotagged Photos:



Glimpse from Mission LiFE Awareness during Alandi Yatra with NSS volunteers.



Glimpse from Mission LiFE Awareness during Alandi Yatra.

iv. Centre specific Thematic activities

a. Title: Appeal to Kirtankars for Raising Public Awareness

b. Description: The word *kirtana* originates from the Sanskrit root *kirt*, meaning "to recite, declare, praise, or glorify." A kirtankar is someone who performs kirtans and whose words resonate deeply with the public, often inspiring action. Recognizing their influence, we appealed to a group of kirtankars to incorporate themes of "climate change and air pollution" into their performances.

To support this, we provided them with a foundational understanding of these critical issues, explaining their impacts on human health and the environment. By weaving these messages into their kirtans, kirtankars can effectively sensitize communities in their native language, fostering awareness and encouraging proactive measures. Their unique ability to connect with audiences makes them powerful advocates for change.

Highlights: Climate Change and Air Pollution, General Public

c. Number of participants: 10 Kirtankars

d. Partners: Kisan Maharaj Dombale Varkari Shikshan Santha, Alandi.

e. Name of Location/s where activity was carried out: Alandi.

f. Geotagged Photo:



Glimpse from appealing kirtankars.

v. Awareness Campaigns /Events /Competition /Seminars/ Webinars/ Workshops

a. Title: Best GIS Project Showcase Competition 2024

Description: The International GIS Day 2024 Competition, concluded on a high note, showcasing the incredible potential of Geographic Information Systems (GIS) in addressing global challenges. The competition received an overwhelming response, with participants from various academic institutions, organizations, and GIS enthusiasts contributing their innovative ideas and projects.

Themes Explored

Participants addressed pressing global issues through their submissions, including:

Global Warming

Hottest Cities

Polluted Cities

Extreme Events of 2023

Winners

Winner: Souryabrata Pal – Glacial Retreat of Rathong Glacier, Sikkim Himalayas, India

Highlights: The rising temperatures threaten the natural environment and have serious implications for humanity. This study focuses on The Rathong Glacier in the Sikkim Himalayas, which feeds the Teesta River's headstreams. The resulting meltwater can lead to hazards like soil erosion and landslides.

The map shows how in very recent years (2017-2023), the glacial extent has been fluctuating, and after 2020, there is a much shrink in the glacial area. The data used to prepare the map has been acquired from the Sentinel-2 Land Cover Explorer by ESRI Living Atlas. The Original TIFF is clipped to the study area focusing on Kanchenjunga at the centre. Then the raster is converted to polygons, with definition querying to extract the glacial cover features. The polygons are then appended into a single-layer feature and the overlapping feature tool is used to calculate the fluctuations of the extent in the given data range. Then the map is symbolized properly, and the final map has been prepared.

From the prepared map we can see, the changes and retreating glacial extents over this short period – establishing the evident argument about the Global Warming Effects. Thus, proper measures should be taken to curb the situation as early as possible.

Highlights: Climate Change, Global Warming

Impact and Acknowledgment

The competition not only provided a platform for participants to demonstrate their GIS skills but also emphasized the importance of data-driven insights in tackling environmental challenges.

Looking Ahead

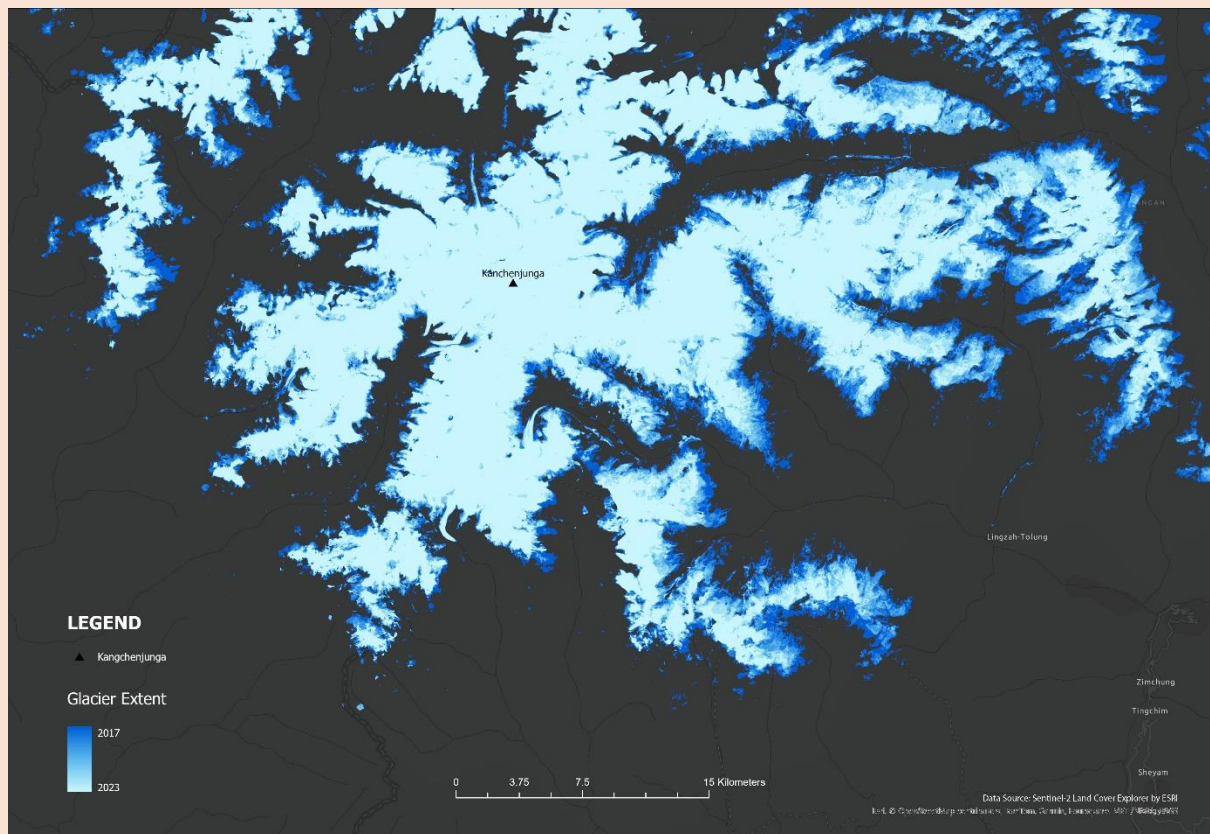
With the success of this competition, IITM-EIACP PC-RP aims to continue organizing events that inspire and empower the GIS community to contribute meaningfully to sustainable development and environmental conservation.

b. Number of participants: 13

c. Partners:

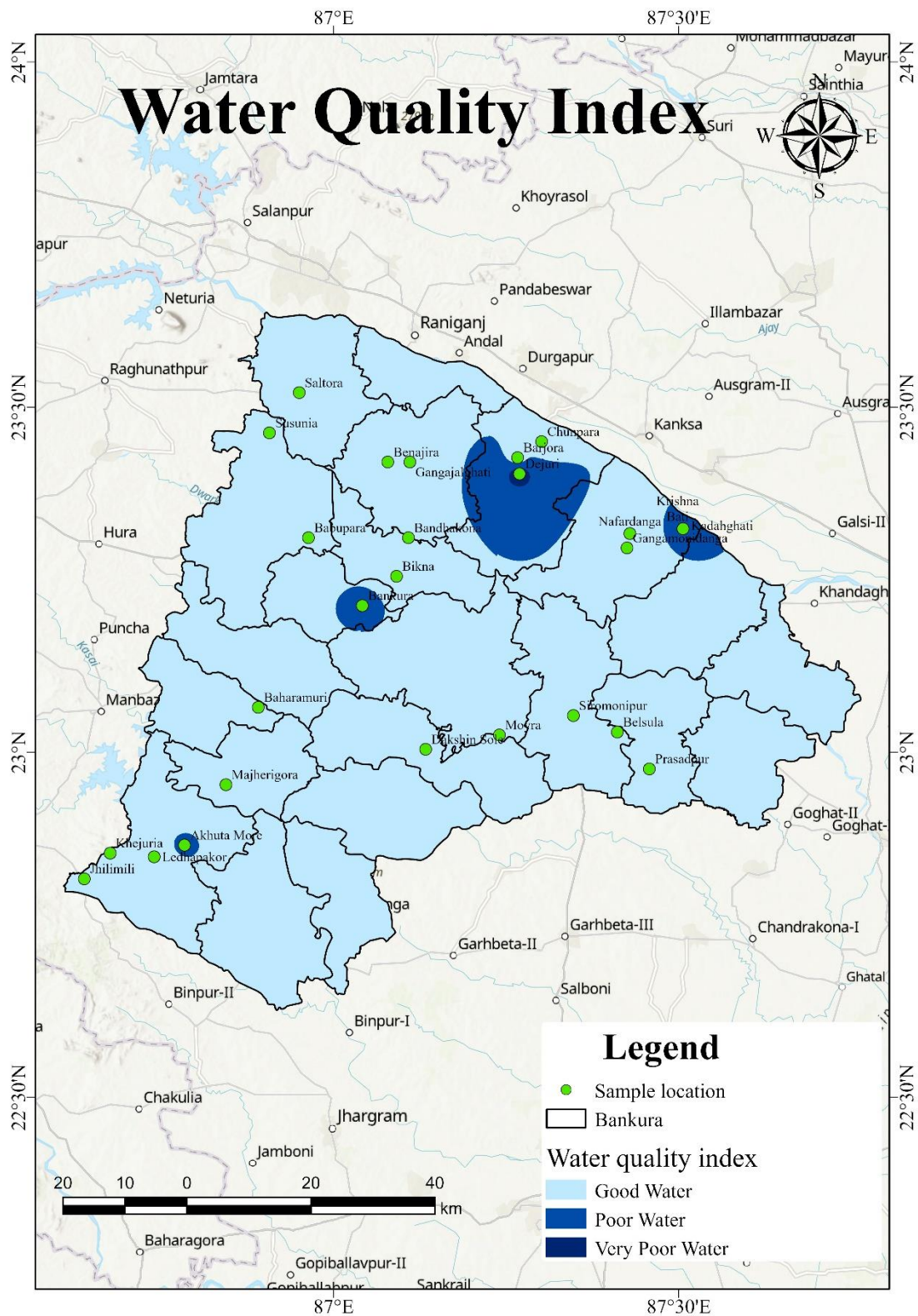
d. Name of Location/s where activity was carried out: Online

e. Geotagged Photo:



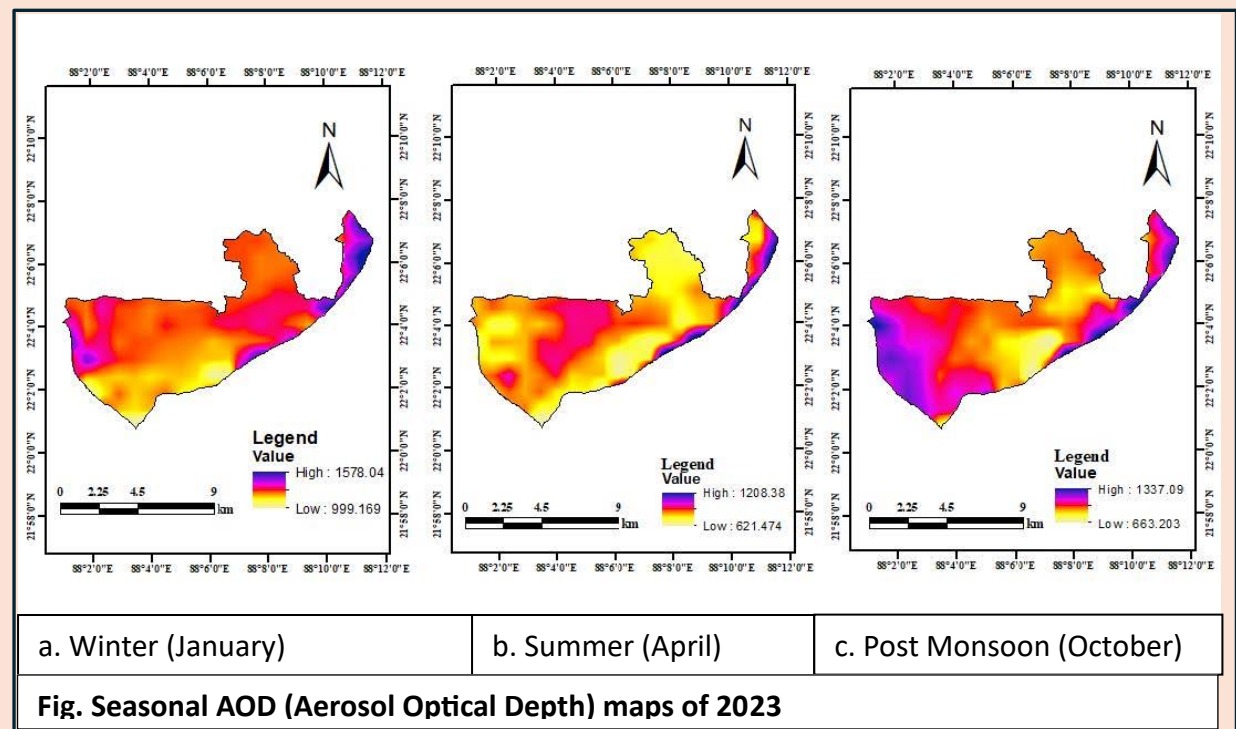
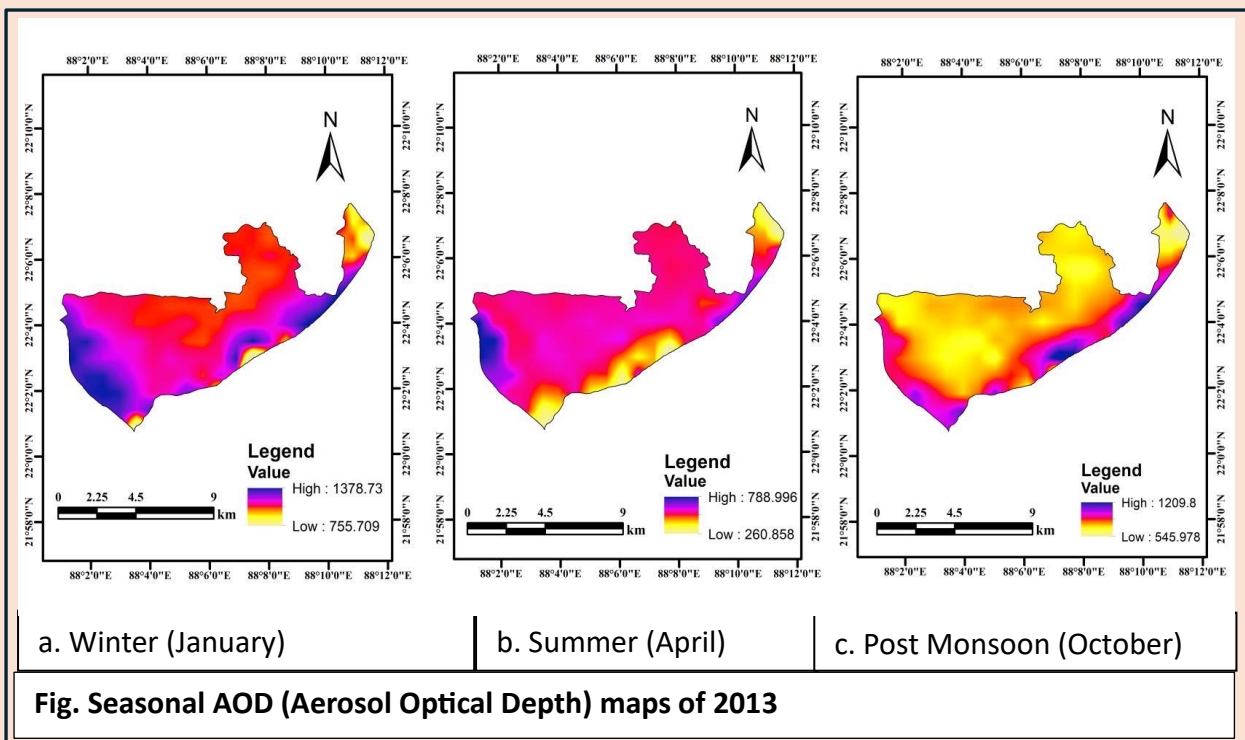
Glacial Retreat of Rathong Glacier, Sikkim Himalayas, India

by Suryabrata Pal.



**Groundwater quality index using Remote sensing and GIS
technique in parts of Bankura District, West Bengal, India**

by Mr. Arindam Mandal



Analyse the Spatio-temporal variation of urban growth and AOD in Haldia Municipality by Ahida Parveen

vi. GSDP and Capacity Building courses

: GSDP course was planned to start in DEC-24.

vii. Knowledge products, if any, with link

a. Description: Nil

b. Photos: Nil

viii. Development of Information Products and Mobile Apps:

: Nil

ix. Miscellaneous activities:

: Nil

5. Recruitment or Change of EIACP Staff if any with contact numbers and qualification details:

: Interview for the post of PO has been conducted on 22/11/2024.

6. Updation of DRC Webpage with details:

: Website not active yet