

Webinar on

Impact of Cyclonic Disturbances on the Coastal Areas of Odisha and West Bengal

11 July 2020

Time: 12:00 noon - 2:00 pm

Organised by

Department of Geography in Association with IQAC

Prasanta Chandra Mahalanobis Mahavidyalaya, 111/3, B.T. Road, Bonhooghly, Kolkata-700108

REPORT:

The Webinar on “Impact of Cyclonic Disturbances on the Coastal Areas of Odisha and West Bengal” was conducted on 11 July 2020 from 12:00 noon - 2:00 pm.

A total number of 282 participants have registered for the webinar are the Faculty members, research scholars, and PG students, from various affiliated colleges and universities across India.

The main objective of the webinar was to impart the knowledge of Cyclonic Disturbances and its impact on Coastal Areas of Odisha and West Bengal.

The speakers were :

1. Dr. Debajit Datta, Assistant Professor, Department of Geography, Faculty of Science, Jadavpur University, Kolkata-700032
2. Dr. Sayantan Das, Assistant Professor & In-charge, Department of Geography, Dum Dum Motijheel College, Kolkata-700074

Webinar

On

Impact of Cyclonic Disturbances on the Coastal Areas of Odisha and West Bengal

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111/3, B.T. Road, Bon-Hooghly, Kolkata-700108

Date: 11 July, 2020 Time: 12:00 Noon - 2:00 PM

Speakers



Dr. Debajit Datta

Assistant Professor, Department of Geography
Faculty of Science, Jadavpur University
Kolkata-700032

Topic: Effects of Cyclonic Disturbance on Landscape
Characteristics: Experiences from Odisha, India



Dr. Sayantan Das

Assistant Professor & In-charge, Department of Geography
Dum Dum Motijheel College
Kolkata-700074

Topic: Impact of the Cyclone Amphan in the Lower Deltaic West
Bengal: Initial Assessment Using Remote Sensing Sources

Instructions For The Webinar

- **No registration fees**
- **Who can participate:** Teachers, Research Scholars, Students (UG & PG)
- **Registration link will remain active till 4 PM, 10th July.**
- **Click on the registration link:** <https://forms.gle/G9t4S7GB3tTwatFS7>
- E-certificates will be provided to the registered participants only.
- **Webinar platform:** Zoom Cloud Meeting
- **For any queries, contact:** 9836135564 / geopcmm21@gmail.com

Programme Schedule

12:00 noon - 12:05 pm : Welcome address by Convener

12:05 pm - 12:10 pm : Inaugural speech by Dr. Shyamal Karmakar, Principal, PCMM

12:10 pm - 12:15 pm : Introducing the First Speaker

12:15 pm - 12:55 pm : Session - I

12:55 pm - 1:05 pm : Interactive Session

1:05 pm - 1:10 pm : Introducing the Second Speaker

1:10 pm - 1:50 pm : Session - II

1:50 pm - 1:55 pm : Interactive Session

1:55 pm - 2:00 pm : Vote of thanks by Dr. Kamala Mitra, IQAC Coordinator, PCMM

Convener: Dr. Rekha Biswas (Assistant Professor and In-Charge, Department of Geography)

Joint Convener: Dr. Alpana Ray (Assistant Professor, Department of Geography)

Technical Support: Samrat Sur (Faculty, Department of Computer Science)

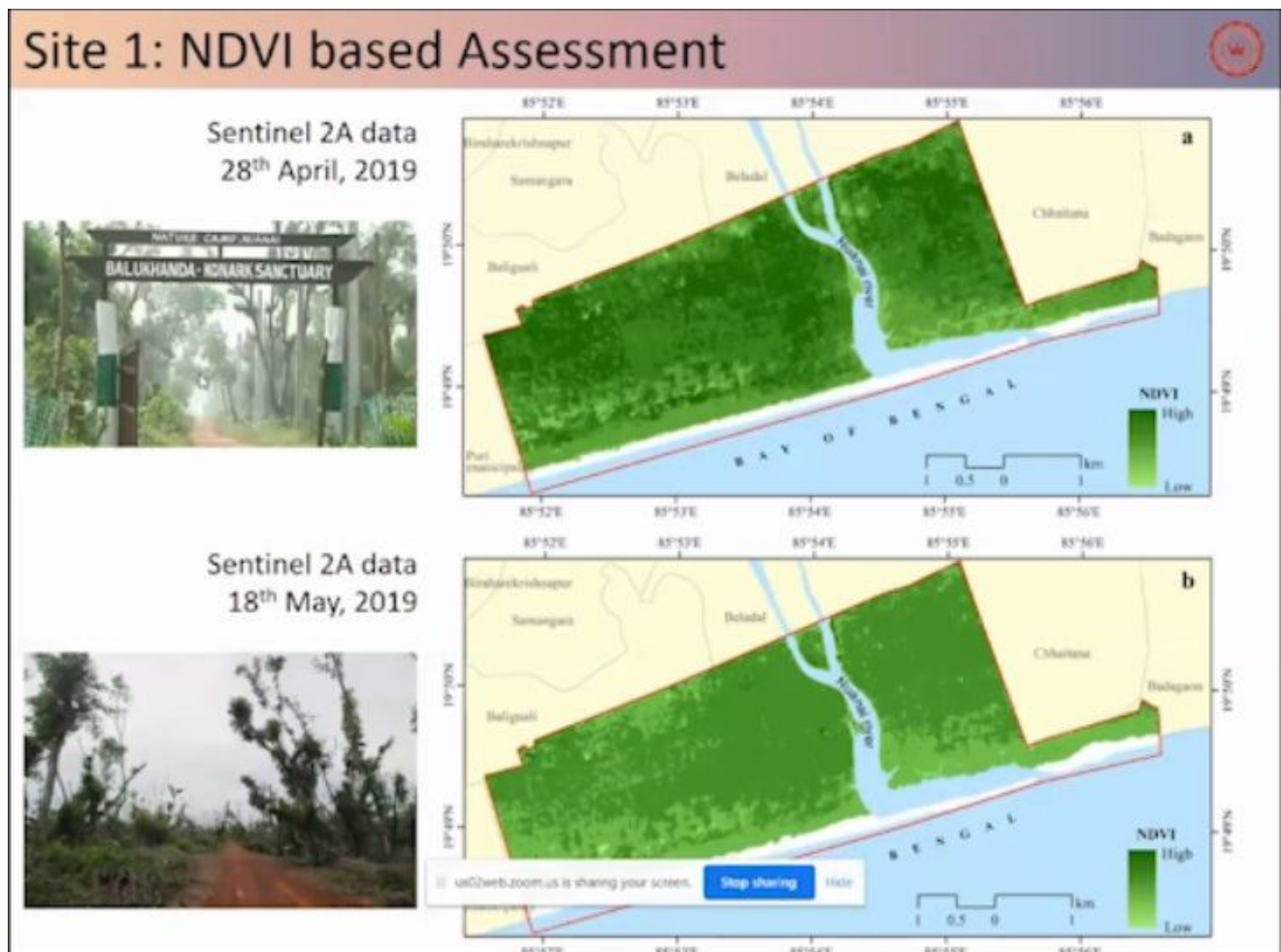
Dr. Debajit Datta addressed on the topic “Effects of Cyclonic Disturbance on Landscape Characteristics: Experiences from Odisha, India”. He discussed on the effects of Cyclonic disturbances specially *Fani* on vegetation and landform in the coastal part of Odisha.

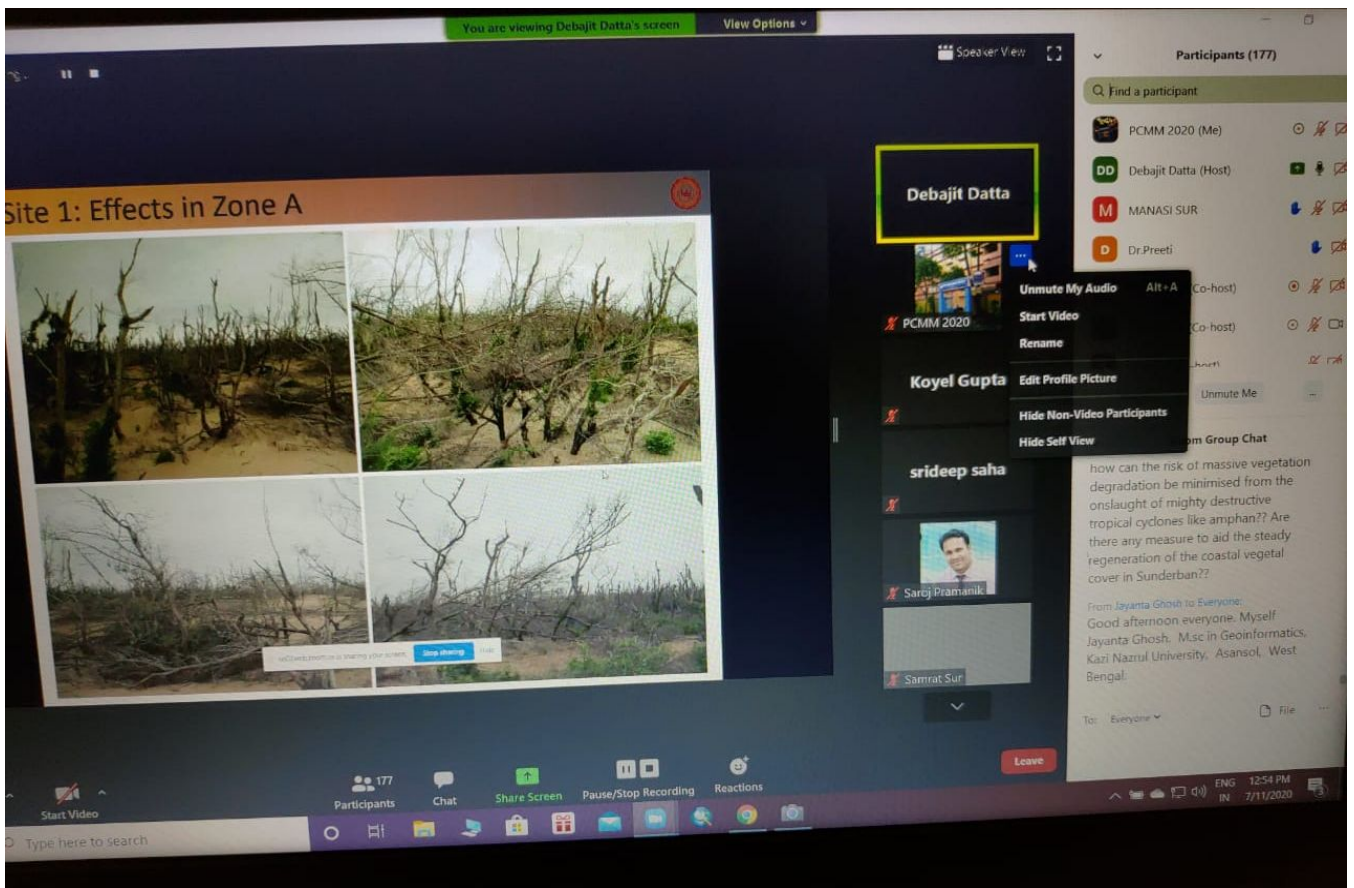
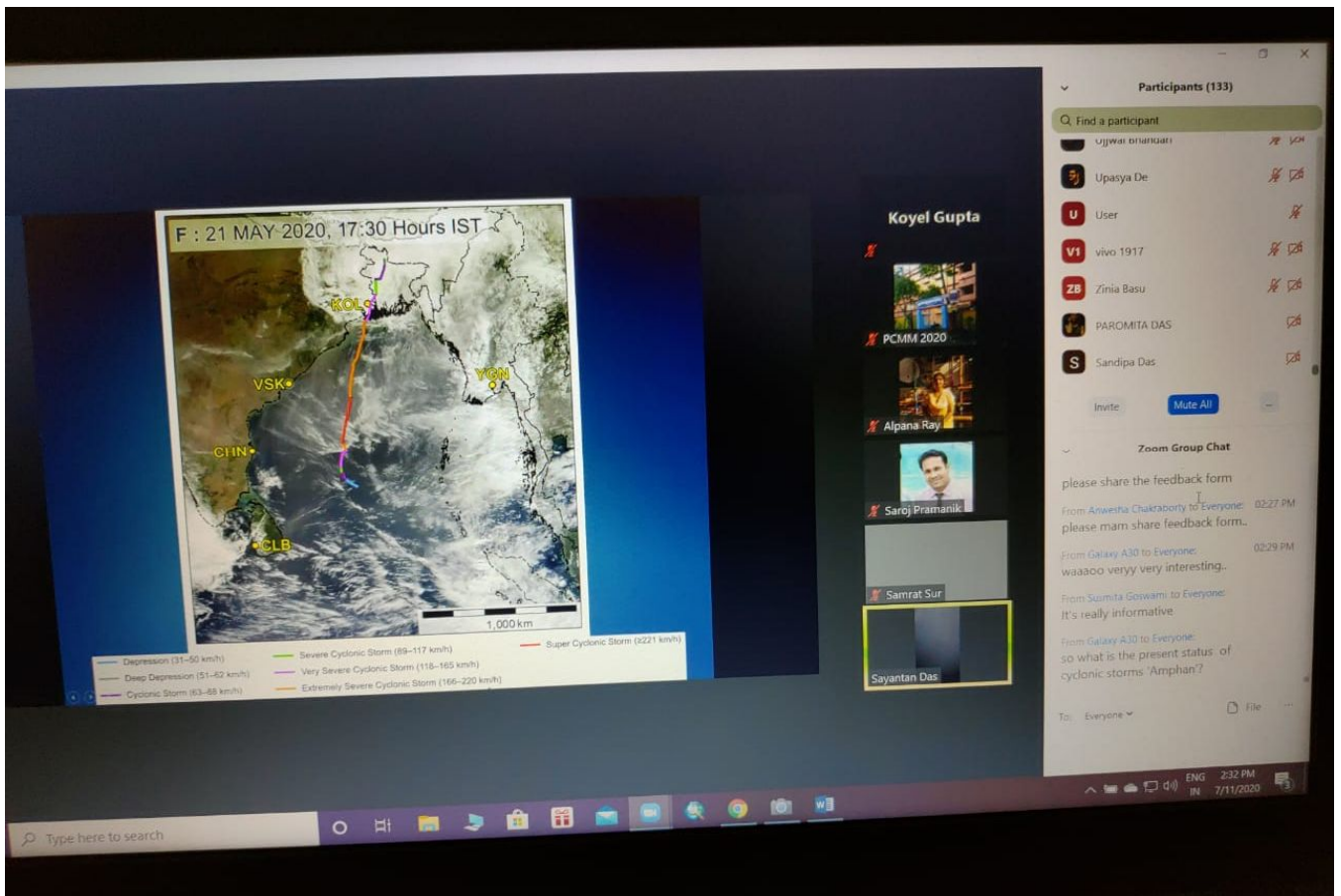
Dr. Sayantan Das delivered his lecture on “Impact of the Cyclone Amphan in the Lower Deltaic West Bengal: Initial Assessment Using Remote Sensing Sources”. He focused on the effects of Amphan particularly in Mangrove of West Bengal.

After completion of each lecture was followed by a Q & A session where several questions were raised by the participants. The resource persons clarified the queries raised and the responses were appreciated overall.

A total number of 226 participants have actively participated in the webinar and issued certificates to all of them (Certificate No. PCMM/GEO/11072020/01 to PCMM/GEO/11072020/226).

Some Picture/Screenshot of Webinar Presentations:







Recording | You are viewing Debajit Datta's screen | View Options | Screen View | 11 | 11 | Screen

Tropical Cyclones as Disturbance Agents

- Cyclone induced damage ranges from lowering stem densities to reducing canopy covers coupled with defoliation and snapped cum uprooted trunks (Curran et al., 2008; Franklin et al., 2004).
- Gap formations occur at varied spatial scales, ranging from micro-level branch or twig fall to macro-level catastrophic disturbances.

(A) **Disproportional removal of taller trees** → **Disproportional removal of taller trees**

Recovery — Incomplete recovery — New growth

(B) Forests with infrequent cyclone disturbance

(C) Increasing cyclone frequency without changing intensity

(D) Increasing cyclone intensity without changing frequency

(E) Increasing cyclone frequency and intensity

Time

Cyclones with

Thanks to Goodnotes & Evernote

Source: The Indian Express, 2019

- Tropical cyclones affect the vegetation of coastal urban areas more profoundly as the ecological composure is lesser there compared to adjacent natural areas.
- In many coastal urban areas, existing vegetation patterns are not strong enough to build resilience against devastating and repeating cyclones.

Unmute | Start Video | 106 Participants | Chat | Share Screen | Pause/Stop Recording | Reactions | Leave

Debajit Datta

PCMM 2020

Koyel Gupta

srideep saha

Saraj Piramanki

AHFSMGeo Lab

Sanrat Sur

