



## Goa University

### Discipline of Economics, Goa Business School

#### Report on “one-day virtual workshop on Images from the Sky: An alternative approach for measuring our progress”

1. Title of the Event/Activity/program	“Images from the Sky: An alternative approach for measuring our progress”
2. Date and Time	25 August 2023 9.00am to 4.30pm
3. Mode of conduct (Physical/Online)	Online
4. School	Goa Business School
5. Collaborating Agency/School/Directorate	NIL
6. Detail of the Resource Person (Brief biodata)	<ol style="list-style-type: none"><li>1. Heena Gaude is Assistant Professor and Programme, Director of Economics at the Goa Business School, Goa</li><li>2. A.K. Enamul Haque is Professor of Economics at East West University (Dhaka, Bangladesh)</li><li>3. Pranab Mukhopadhyay is Professor of Economics and Vice-Dean (Research) at the Goa Business School at Goa University, India.</li><li>4. Mani Nepal is Programme Coordinator for SANDEE and Lead Economist at ICIMOD.</li></ol>
7. Number of Faculty participated	2
8. Number of Students attended	16
9. No. of external students/faculty/other participants	2
10. The objectives of the Program/activity/event	The workshop aim to explore the limitations of the conventional GDP in sustainability studies and





	environmental decision-making and will provide participants an opportunity to engage with alternative ways where satellite images are combined with other socioeconomic and environmental outcomes for research in environmental economics.
<b>11. Description of the Program</b>	<p>The workshop was divided into four sessions. The first session, led by Mani Nepal, provided participants with an overview of SANDEE, covering its history, programs, and project funding opportunities. In the second session, Emaual Haque discussed the limitations of conventional national accounting systems and explored alternatives to overcome data constraints. He highlighted the use of satellite data as a valuable resource for economic analysis.</p> <p>The third session, led by Heena Gaude, featured a demonstration on handling satellite data using QGIS software, covering tasks such as data visualization, extraction, and manipulation. The final session was conducted by Pranab Mukhopadhyay, who discussed the increasing literature on the use of satellite data in socio-economic analysis.</p>
<b>12. Benefit/Key outcomes of the Program/activity/event</b>	<ul style="list-style-type: none"> <li>• Enhanced Understanding of Satellite Data for Economic Analysis: Participants gained valuable insights into the use of satellite data as an alternative tool for overcoming limitations in conventional national accounting systems, which can improve economic analysis and policy-making.</li> <li>• Practical Skills in QGIS for Satellite Data Handling: Through the hands-on demonstration in the third session, participants learned how to visualize, extract, and manipulate satellite data using QGIS, equipping them with practical skills for applying this data in various research and analysis projects.</li> </ul>
<b>13. Enclosures with report</b>	Brochure, Geo-tag photos, Attendance of students/faculty/external participants.

Signature:

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Name of coordinator: Prof Pranab Mukhopadhyay

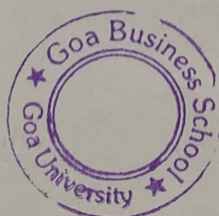
Designation: Professor

Signature

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ICIMOD | SANDEE



WORKSHOP

## Images from the sky

An alternative approach for measuring our progress

25 August 2023 | Online (Zoom) | 9:00–16:30 (Nepal Standard Time)

**Application deadline: 30 June 2023**





Zoom Meeting

Recording...

Participants (19)

SANDEE

heena

Mani Nepal

A K Enamul Haque

## Electromagnetic spectrum (EMS)

- The total range of the wavelengths of EM radiation is called the "EM spectrum"

Optical remote sensing (Passive)

Active remote sensing (Active)

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Zoom Meeting

Recording...

Sign in

AAIRE Pre-Conference Works... cannot access the feedback sheet

Thank you very much. Waiting for recording.

Thank you very much. I have to leave soon.

Thanks for all management team to provide this workshop

Meeting Group Chat

PranabM, Goa...

PranabM, Goa Univ

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