STUDENT CHAPTER
EAGE
IIT BOMBAY

EAGE
EUROPEAN ASSOCIATION OF GEOSCIENTISTS & ENGINEERS



Annual REPORT

EAGE Student Chapter 2025-26

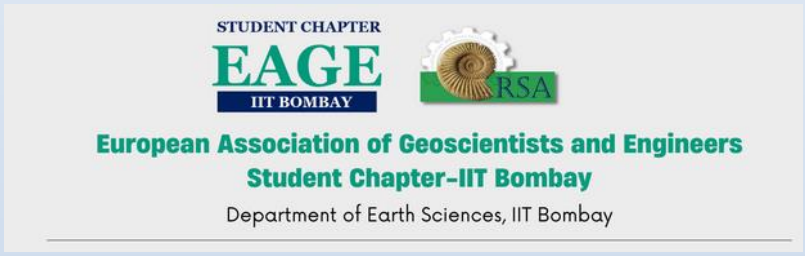
ABSTRACT

This report highlights the chapter's initiatives and accomplishments as we actively engage in the global shift toward sustainable energy solutions. It also showcases the team's noteworthy achievements in advertising the EAGE student chapter and be an active member of the community.

Abir Banerjee
PRESIDENT

Want to know more about us? Join us via our handles by scanning the QR Codes below!!







@EAGE_IITBOMBAY

EAGE Student Council 25-26 IIT Bombay



President's email id- 23d0462@iitb.ac.in

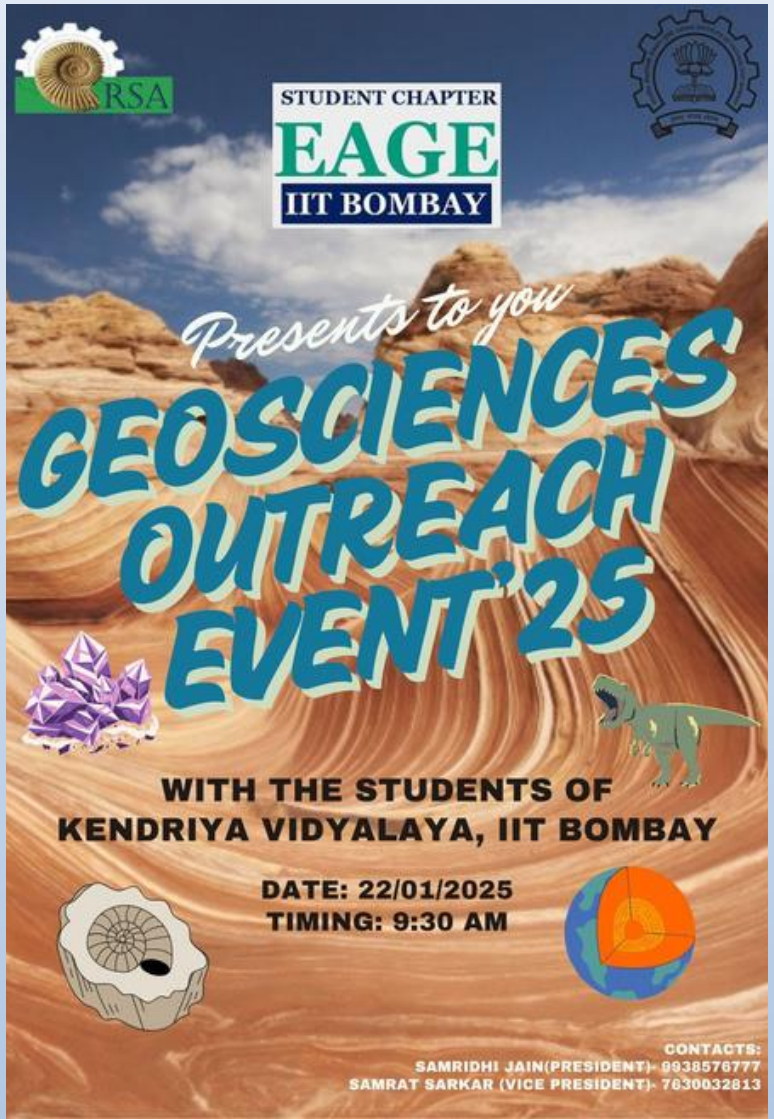
Activity Overview

Event 1. EAGE's Geosciences Outreach Event; <u>total participants- 80</u>

The EAGE team visisted a higher secondary school near the IIT Bombay camous to interact with the students and build an interactive session on the various aspects of geoscoiences. The event witnessed enthusiastic participation from students who showed great curiosity about the processes that have shaped and continue to influence the Earth. As part of the outreach, we showcased a variety of rock and fossil samples, which sparked engaging discussions and hands-on learning.

Workshop Sessions:

1. Geology Fundamentals: An overview of geology, covering the basics of the Earth's structure, processes, and history.
2. Microfossil Exploration: A hands-on introduction to microfossils, featuring live demonstrations of key specimens.
3. Ore-Forming Minerals: An introduction to minerals that form economic deposits, highlighting their significance and applications.
4. Rock-Forming Minerals: A look at the minerals that make up rocks, discussing their importance and characteristics.
5. Planetary Geology and Space Exploration: An exploration of geology beyond Earth, covering planetary geology and the latest developments in space exploration.




OUR ANIMALS


You Never
You Stop


K.V.S.

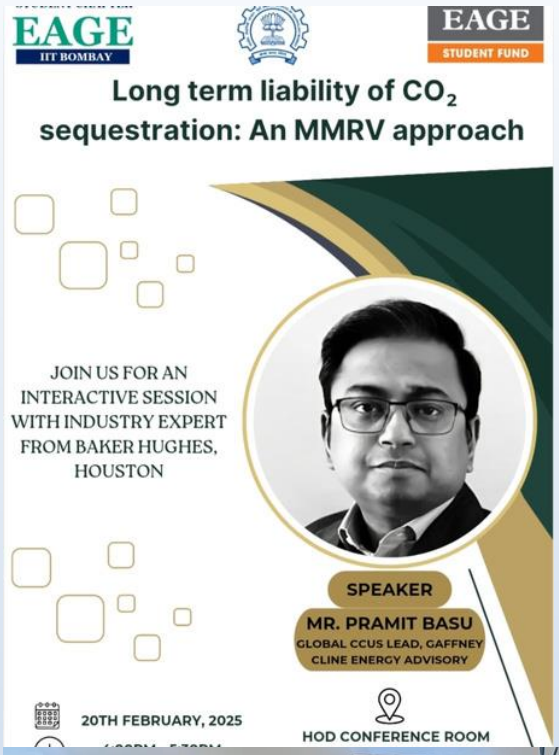

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THE MILKY WAY

Activity Overview

EAGE's Talk Session on Long term liability of CO2 sequestration by an industry specialist; total participants- 25

We hosted a talk session on the long-term liability of carbon dioxide sequestration and the MMRV (Monitoring, Measurement, Reporting, and Verification) approach, led by an industry expert from Baker Hughes.

The session saw an excellent turnout, with active participation from students and researchers across the Department.

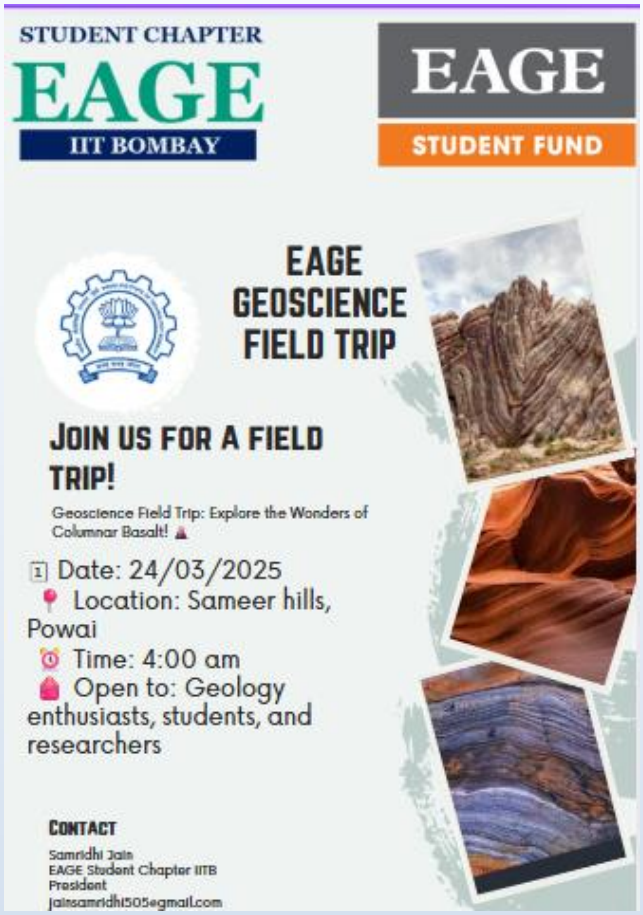






EAGE's Field Trip with students from all over India; total participants- 15

We also conducted a field trip in collaboration with the team of PROTOLITH, IIT Bombay's National Geoscientific Symposium, organized biannually by the Department of Earth Sciences. The field excursion brought together students, geoscientists, and geoscience enthusiasts from across the country. It was led by PhD research scholars from the department, who provided in-depth insights into the geology of the region and facilitated meaningful on-site discussions.

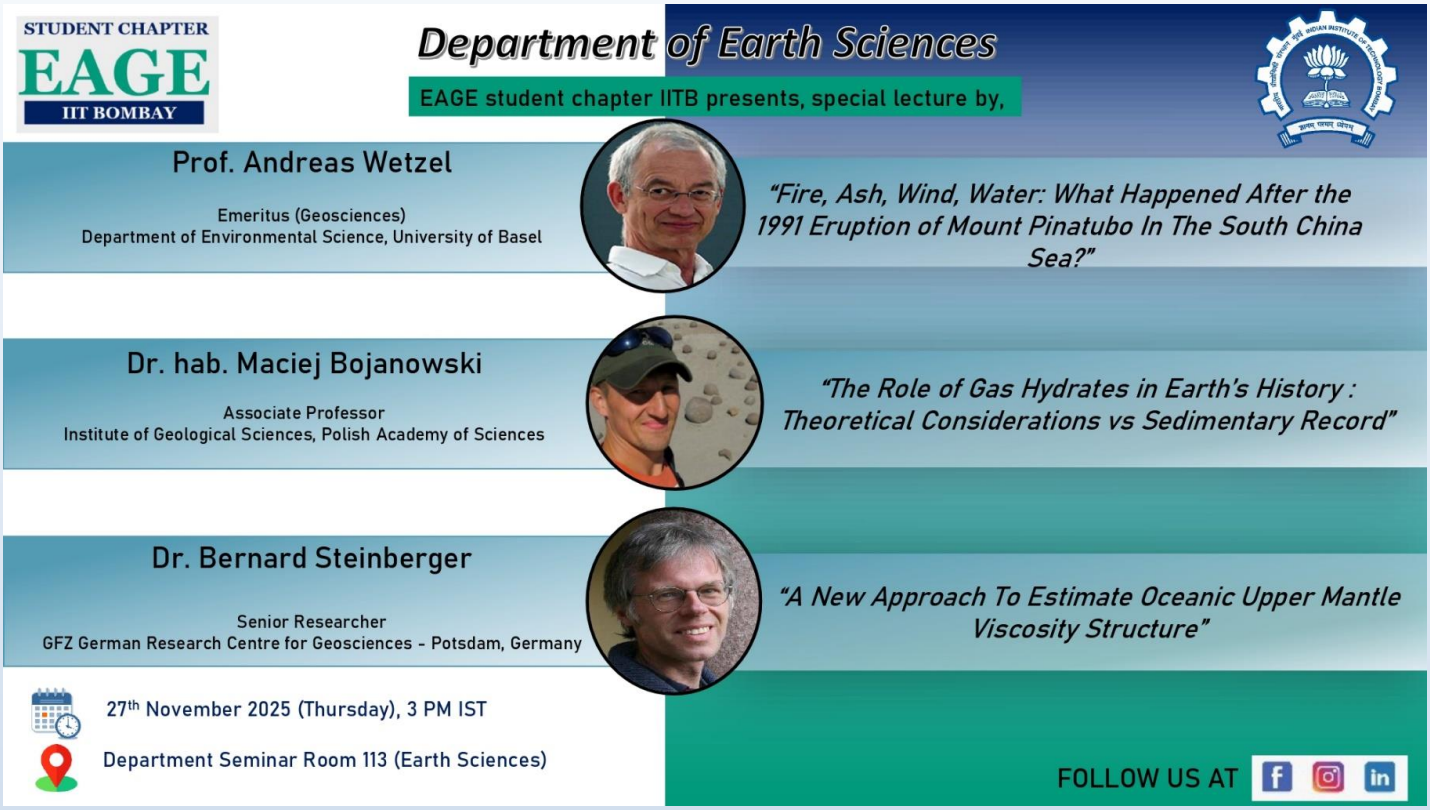






EAGE's special lecture series by eminent geoscientists from Europe; total participants- 75

The EAGE Student Chapter, IIT Bombay, organized a special lecture series on 27 November 2025, bringing together distinguished experts in Earth sciences. The event featured **Prof. Andreas Wetzel, Emeritus Professor from the University of Basel; Dr. hab. Maciej Bojanowski, Associate Professor at the Institute of Geological Sciences, Polish Academy of Sciences; and Dr. Bernard Steinberger, Senior Researcher at the GFZ German Research Centre for Geosciences, Potsdam**. The lectures spanned topics from gas hydrates and volcanic impacts on marine systems to innovative approaches for estimating oceanic upper mantle viscosity, offering students and researchers valuable interdisciplinary perspectives on Earth's surface and deep interior processes.















Proposed Student Chapter Activities for January to December 2026

The EAGE student chapter IIT Bombay plans to outdo our previous year's efforts and grow as a team while uplifting the Geoscience students of our institute.
We have already conducted one special workshop and talk delivered by Dr. Nikhil Shah, Co-founder of S-Cube, who discussed about the domain of "**Fully FWI based model building and imaging: time and Space lag based objective functions"**
We are planning to have many more such interesting and innovative talks, delivered by eminent industry specialists and academic experts.
We plan to incorporate a few hands on workshops and software learning courses with the help of some of our local industry contacts. In this endeavour, we are going to take help from the student chapters of the Society of Petroleum Geophysicists and the Society of Exploration Geophysicists student. We are planning to include utilizations of AI-ML in Geosciences, along with some coding based workshops to get students be more familiarized with the industry needs.
We are also planning to introduce "Alumni talk" session where the current students will get to hear about the achievements and journeys of they alumni of the department, and get motivated to pursue a career in varied fields of the larger Earth Sciences domain.

Activity Overview

2. **PETROHUNT:-** On ERSA Day, we organized an engaging treasure hunt event that challenged students with clues related to our Department of Earth Sciences, IIT Bombay, and various aspects of geology. The event involved intense brainstorming and problem-solving, making it a highly enjoyable and intellectually stimulating experience for all participants.



3. **EAGE T-shirt Logo Making Comepetition:-** We held a T-shirt logo design competition, receiving numerous creative entries. The winning design was selected as the official logo for the EAGE Student Council T-shirt. This competition provided a platform for students from our department to showcase their creativity, blending themes from geology and the energy sector.



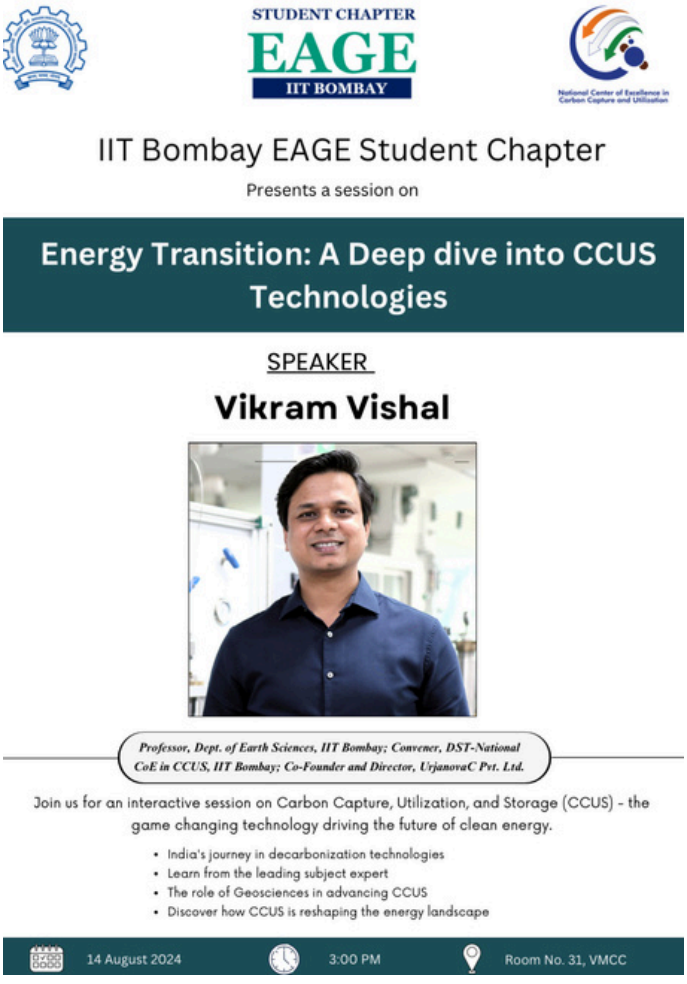


Activity Overview

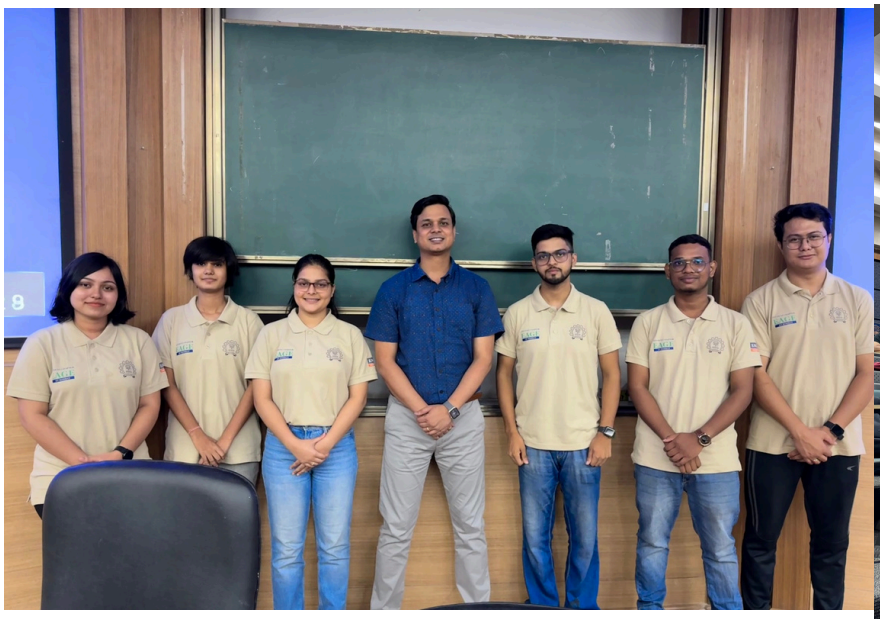
4. **Orientation for Freshers:** Laying down our objectives and goals for the newly admitted students



5. **Energy Transition: A Deep dive into CCUS Technologies by Prof. Vikram Vishal:-** The talk on "Energy Transition: A Deep Dive into CCUS Technologies" provided valuable insights into the role of geology in carbon capture, utilization, and storage (CCUS). Key takeaways included understanding the geological criteria for selecting suitable storage sites, such as porous rock formations and depleted reservoirs.












Energy & CO2 Conundrum


Energy & CO2 Conundrum



Interactive talk on "Fully FWI based model building and imaging: time and Space lag based objective functions" by Dr. Nikhil Shah.

The EAGE Student Chapter, on 5th January, 2026, organized an expert talk on Fully FWI-Based Model Building and Imaging, delivered by **Dr. Nikhil Shah, Co-Founder of S-Cube**, who discussed advanced Full Waveform Inversion methodologies using time and space lag based objective functions. The session highlighted real-world onshore and offshore case studies, showcasing ML-driven parameter tuning and elastic FWI workflows.

