

Report on the talk entitled “Remote Sensing in Earth Sciences: Changes in Land Cover and Land Use in Goa During the Last Few Decades” delivered by Dr. Alvarinho J. Luis at School of Chemical Sciences auditorium on 14 February 2023 at 1030hrs.

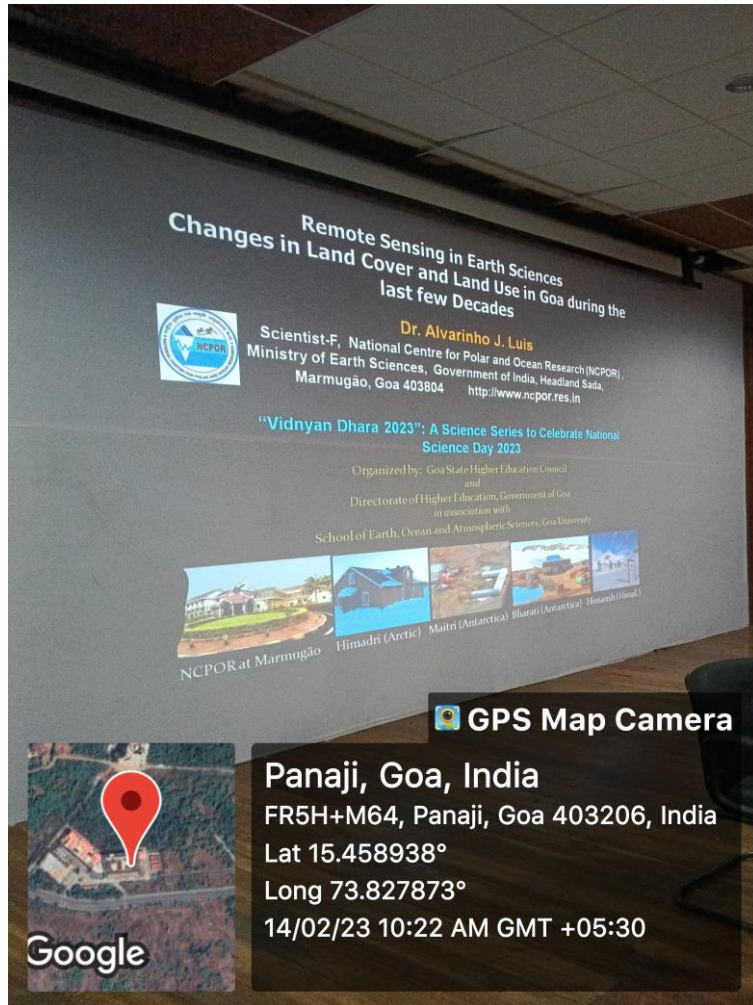
A talk titled “Remote Sensing in Earth Sciences: Changes in Land Cover and Land Use in Goa During the Last Few Decades” was delivered by Dr. Alvarinho J. Luis, a Senior Scientist from the National Centre for Polar and Ocean Research, Mormugão, Goa. The talk was sponsored by the “Vidnyan Dhara 2023”– a science series to celebrate National Science Day. The Goa State Higher Education Council and the Directorate of Higher Education of the Government of Goa in association with the School of Earth, Ocean and Atmospheric Sciences (SEOAS.) of Goa University organised this programme.

The programme was compered by Ms. Pooja Ghadi, a faculty member of SEOAS. The programme began at 10.30 hrs. The Dean, SEOAS welcomed the speaker Dr. Alvarinho Luis, faculty colleagues and the students. The speaker was presented a flowering plant to mark the welcome of the resource person. Dr. Aftab Can, SEOAS introduced the speaker.

Dr. Alvarinho Luis delivered a talk for a duration of about 60 minutes and explained some basic concepts of Remote Sensing. He also mentioned about the methodology adopted to address the issue. Dr. Luis showed the changes in the land cover and land use change in various decades from 1990 to 2020. The land was categorised into various types, like healthy vegetation, roads, agricultural land, sandy regions, built-up area, barren land, water bodies and shrub. The taluka-wise change in percentage of spatial extent, of each of the above-mentioned classes of land, was computed. For Goa, roads, built-up area, shrub showed increases from 1990 to 2020, while agricultural land, barren land, healthy vegetation, sandy regions and water body areas showed a decrease. Some probable reasons for the changes observed were spoken about. Some steps to be considered for sustainable development were mentioned.

The talk was attended by a total of 159 members including the faculty and students of the School. The topic was deliberated and discussed with the resource person and some of the doubts were clarified.

The vote of thanks was then given by Dr. Joshua R. D’Mello, faculty of S.E.O.A.S. The speaker Dr. Alvarinho Luis also thanked the organisers for giving an opportunity to interact with the student.







 **GPS Map
Camera Lite**

FR5H+M64, Panaji, Goa 403206, India

Latitude
15.458939°

Longitude
73.8278734°

Local 10:50:20 AM
GMT 05:20:20 AM

Altitude 12.77 meters
Tuesday, 14.02.2023