



Neogene climate evolution and biotic response(s) in south Asia

(September 7–9, 2021)

Neogene period witnessed formation of the mighty Himalaya post-India-Eurasia collision. The Himalayan orogeny greatly affected the climate of South Asia in the form of development and subsequent evolution of the south Asian Monsoon (SAM). In addition, Neogene interval also witnessed intermittent closure(s) and opening(s) of the seaway(s) between the Indian Ocean and the Paratethys. Thus, tectonics and climatic change(s) during the Neogene were instrumental in terms of origin, early evolution of biota (both flora and fauna), and/or development of migration corridor(s) for both marine and terrestrial biota which is reflected in the historical distribution of fossil biota across South Asia during the Neogene.

NECLIME (Neogene Climate Evolution of Eurasia) is a platform organised by the scientists devoted to palaeoclimatic reconstruction(s) including past CO₂ and ecosystem analysis using multiple quantitative methods utilizing various proxies such as plant mega-fossils, pollen, spores, vertebrates (including mammals), invertebrates, isotopes, geological and geochemical signatures. Thus, palaeoclimate data from both terrestrial and marine archives become significant in understanding the dynamics of the global climate system during the Neogene.

Birbal Sahni Institute of Palaeosciences (BSIP), established in 1949, an autonomous institute of the Department of Science and Technology, Government of India, is constantly working to enhance the knowledge about the past ecosystem(s) and climate(s) through multidisciplinary approaches integrating the fossil data with geological, geochronological, geochemical, and geophysical inputs.

To better understand the geological processes, the BSIP is organizing an online conference via NECLIME platform to bring together all researchers on one podium for sharing their scientific ideas toward the Neogene climate evolution and biotic response in south Asia.

Host: Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow

Convenor: Dr. Vandana Prasad (Director), BSIP

Organising secretaries: Dr. Gaurav Srivastava (Scientist-D), BSIP; Dr. Vivesh Vir Kapur (Scientist-D), BSIP

Conference themes:

1. Age and depositional environment(s) of Siwalik and Siwalik-equivalent sediments.
2. Biotic (flora and fauna) evolution and biogeography during the Neogene
3. Climatic change(s) during the Neogene.

Contact email(s):

Dr. Vandana Prasad: prasad.van@gmail.com; director@bsip.res.in

Dr. Gaurav Srivastava: gaurav_jan10@yahoo.co.in; gaurav_srivastava@bsip.res.in

Dr. Vivesh V. Kapur: viveshkapur@gmail.com; viveshvir_kapur@bsip.res.in

Registration:

You are requested to kindly **register** yourself by filling registration form (enclosed herewith) and send it **on/before July 10, 2021** at the email: **bsipneclime@bsip.res.in**. We warmly welcome all researchers for their participation in this conference. There are **no charges** for registration and attending (online presentation) the conference.