The 7th International Palaeontological Congress

Recent advances in Mongolian Cretaceous Palaeontology and Geology

Recent advances in Mongolian Cretaceous Palaeontology and Geology: It has been just over 100 years since Roy Chapmen Andrews and Walter Granger led the Central Asiatic Expedition into the Gobi. These efforts, and subsequent exploration of the now famed Eastern and Western Gobi regions have identified one of the richest records of Cretaceous sediments and fossils in the world, offering the potential for scientists to make key discoveries that extend our knowledge of these effects across the Northern Hemisphere. This Symposia will seek to invite researchers and students from around the world who are currently working on the newest discoveries within the Mongolian Cretaceous Gobi Basins. We believe that this topic will appeal to the broadest palaeontological and geological audiences at the 2026 IPC, not limited to stratigraphers, vertebrate paleontologists, geochronologists, and sedimentologists alike.

Mongolia contains one of the richest records of Cretaceous sediments and fossils in the world, offering the potential for scientists to make key discoveries that extend our knowledge of these effects across the Northern Hemisphere. However, to date, paleoclimate and biodiversity trends during the Cretaceous have not been reconstructed in the Gobi Basin, and the geologic age of many formations famous for incredible fossil discoveries are only coarsely dated. However, recent efforts by MADEx, the Mongolian Alliance for Dinosaur Exploration, and similar entities (ergo; AMNH, UofA, Okayama University, and others) are making significant strides to better contextualize these famed yet enigmatic fossil assemblages and cryptic sedimentary successions. Thus, we seek a symposium at the 7th International Palaeontological Congress that would allow us to present and discuss current and future findings that could potentially facilitate the first large-scale, multidisciplinary approach to explore the impact of climate change on Northeastern Asian ecosystems and biotas during the Cretaceous.

Conveners:

- Ryan T Tucker (tucker@sun.ac.za)

If you are interested in this symposium, please contact the conveners.