



IGCP PROJECT 679 (2019-2023)

Cretaceous Earth Dynamics and Climate in Asia



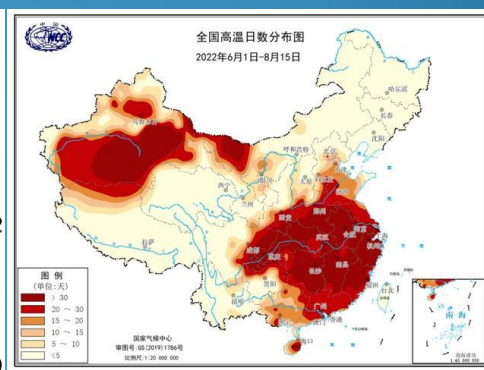
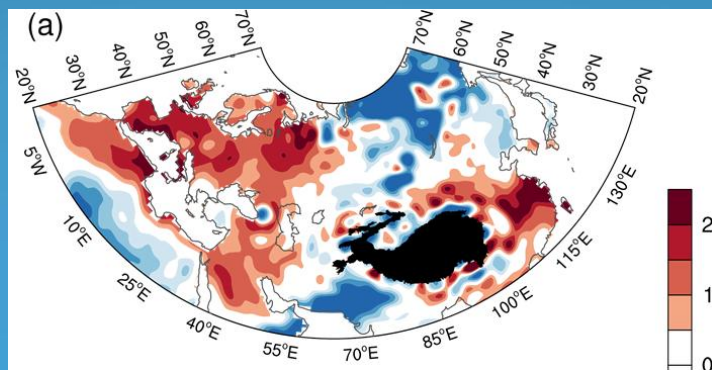
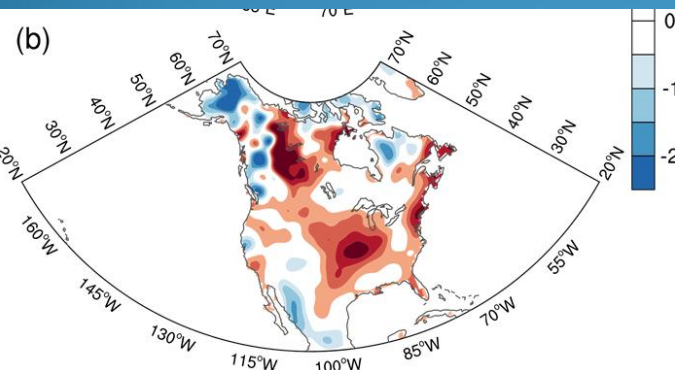
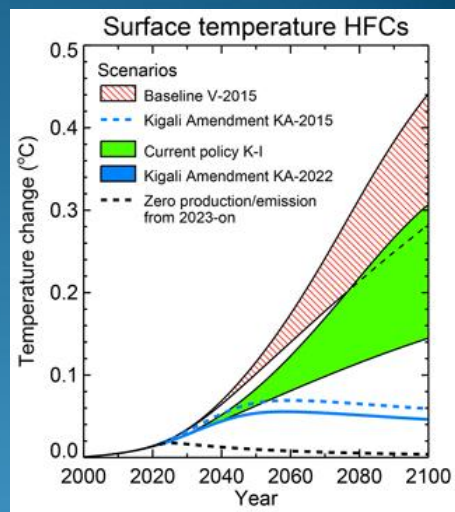
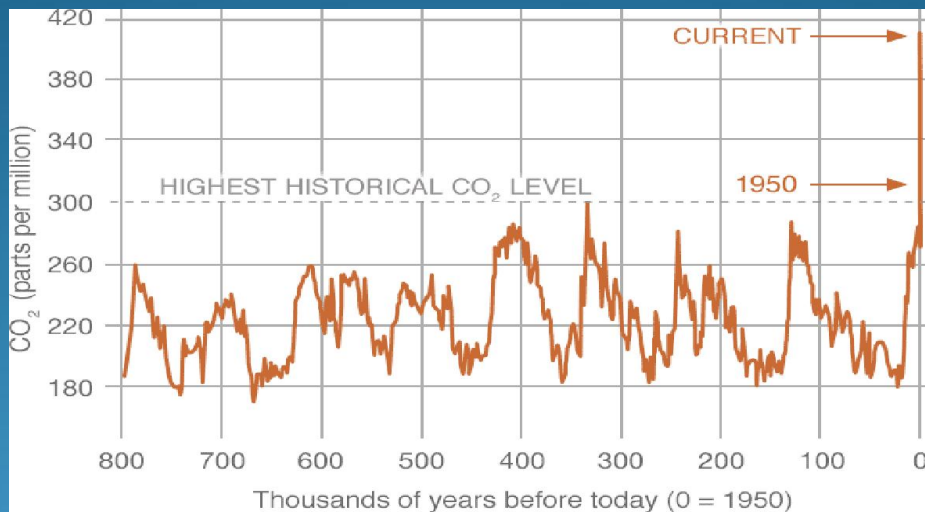
G Li, T Hasegawa, DK Cheong, P Schnabl, V Prasad

25个国家协调人:

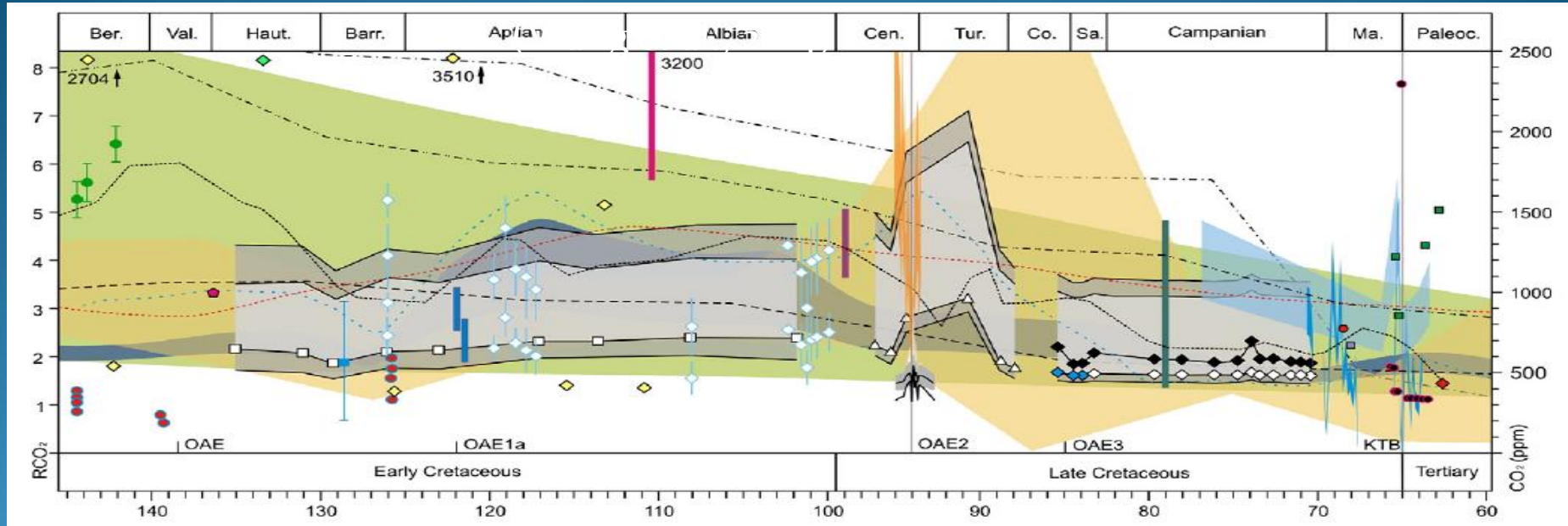
Argentina: Prof. O.F. Gallego; **Australia:** Prof. Johnason Aitchison;
Brazil: Prof. Gerson Fauth; **Cambodia:** Dr. Kong Sitha; **China:**
Prof. G.B. Li; **Czech Republic:** Andrea Svobodová; **France:** Dr. R.
Amiot; **Germany:** Prof. P. Bengtson; **India:** V.R.P. Guntupalliv;
Japan: Prof. Tohru Ohta; **Malaysia:** Mr. Zamri Bin Ramli, Asso.
Prof. Masatoshi Sone; **Mongolia:** Dr. N. Ichinnorov; **Morocco:** Dr.
M. Abioui; **Myanmar:** Myint Soe; **Pakistan:** M. Sadiq Malkani;
Philippines: Dr. C. Dimalanta; **Romania:** Dr. M.C. Melinte-
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Slovak Republic: Dr. K. Fekete; **South Korea:** Prof. Taejin Choi;
Sweden: Prof. Vivi Vajda; **Thailand:** Dr. O. Summart, Dr. P.
Chanthasit; **Tunisia:** Prof. Kamel Boukhalfa; **U.S.A.:** Prof. Thomas
A. Hegna; **Vietnam:** Prof. N.X. Khien

汇报提纲

项目的研究宗旨
2023年度工作进展
2024年工作展望



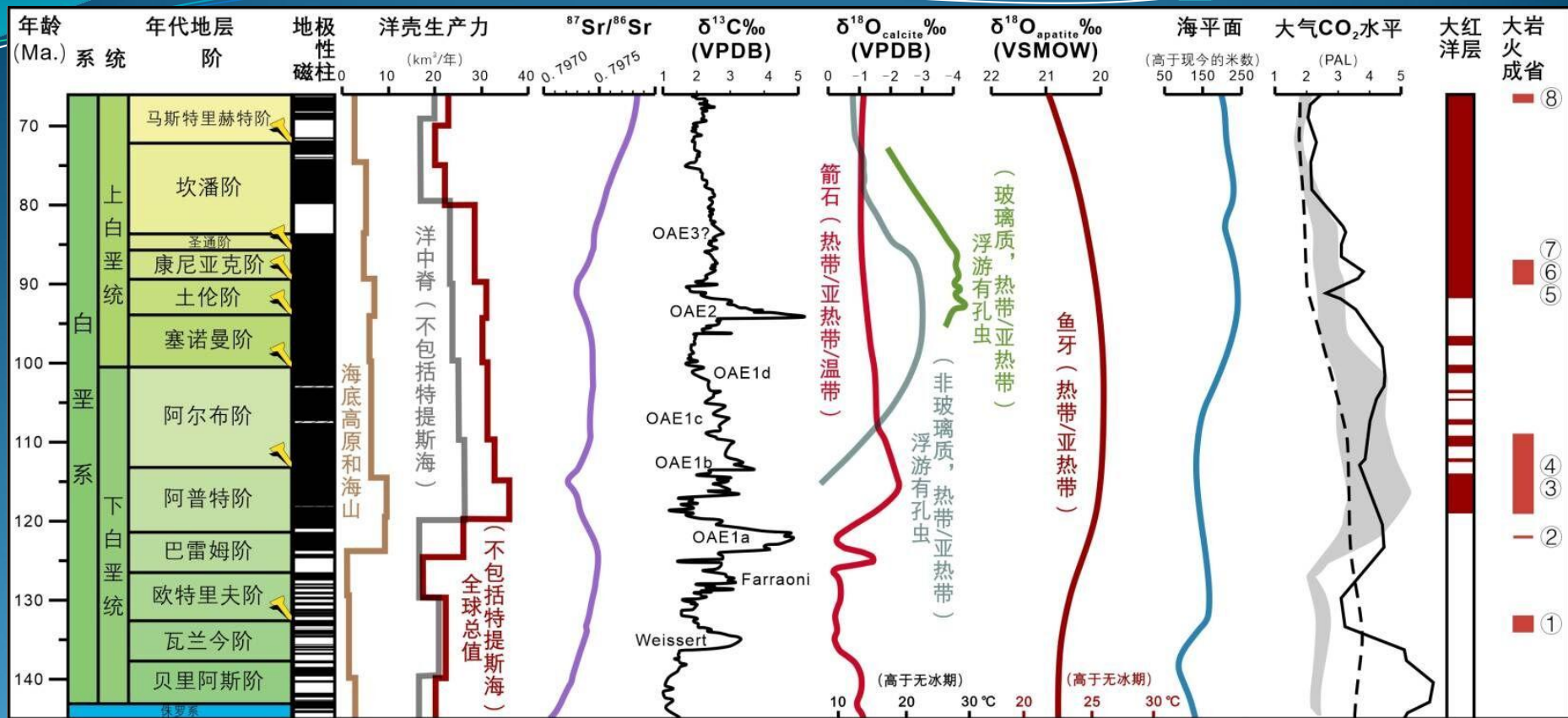
Climate change: cause, mechanism, and the effect on ecosystem turnover



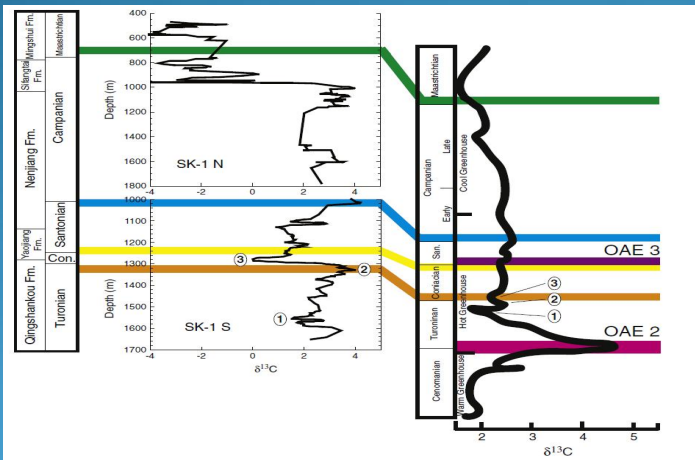
Wang et al., 2014

Main goal of our project

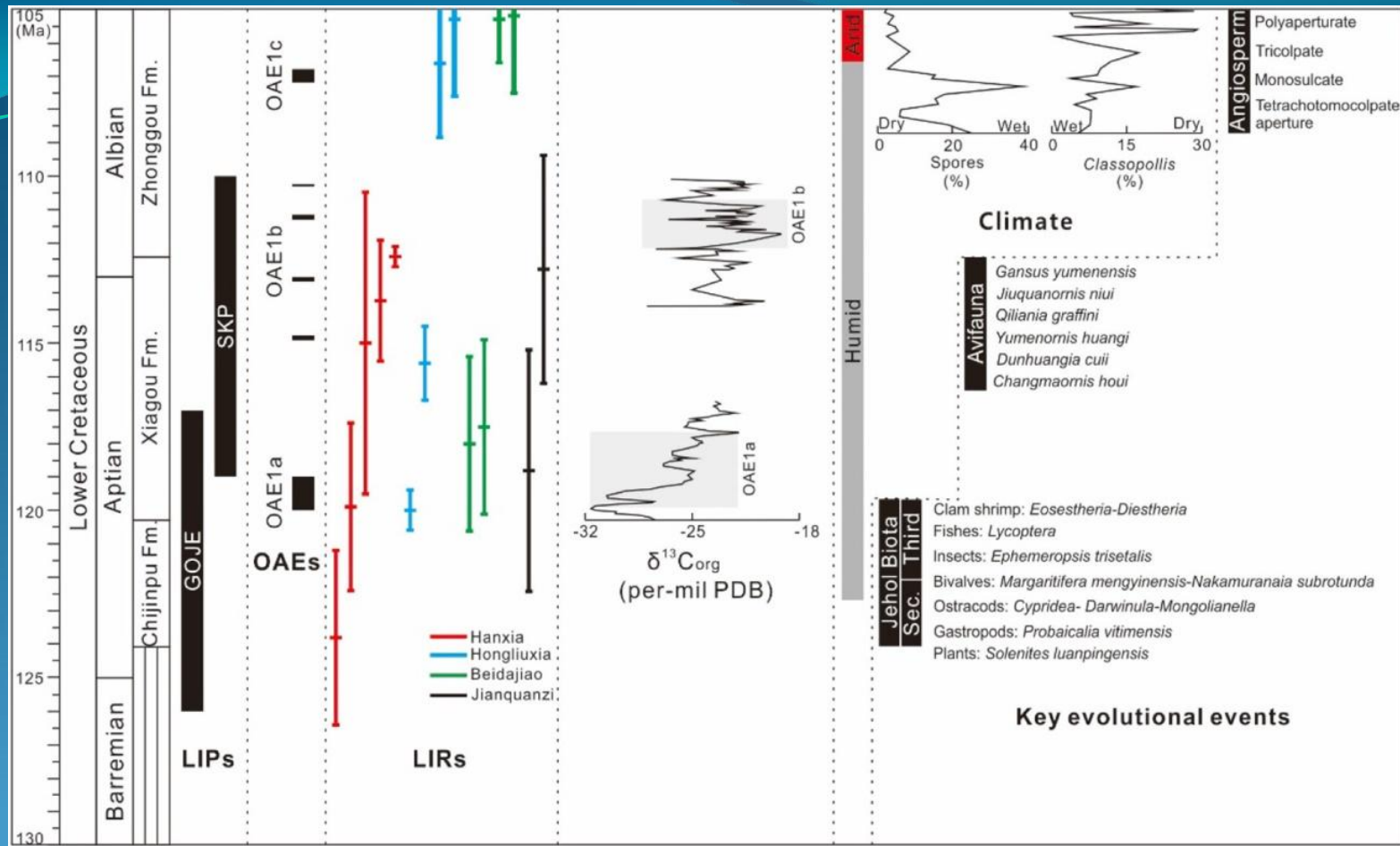
- (1) high-resolution Cretaceous geological records of sea and land facies in Asia
- (2) reconstructions of the Cretaceous climate, geography and environment
- (3) the linkages between Cretaceous major geological events and rapid climate and environmental changes



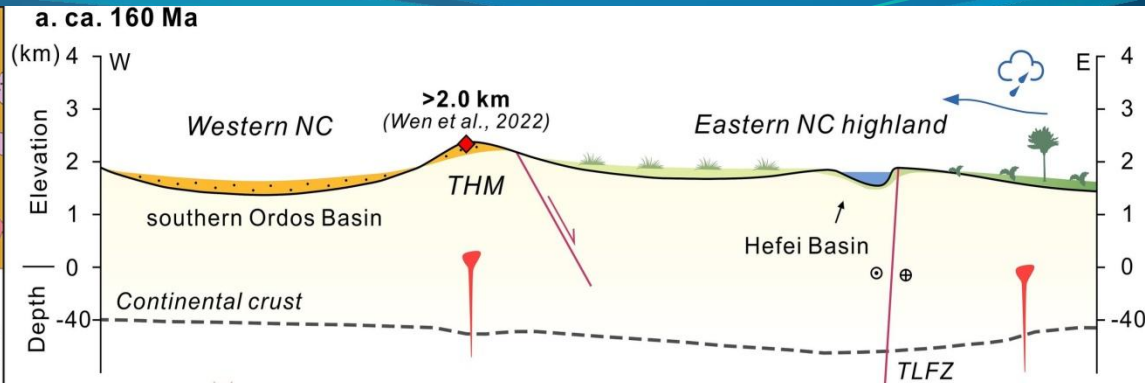
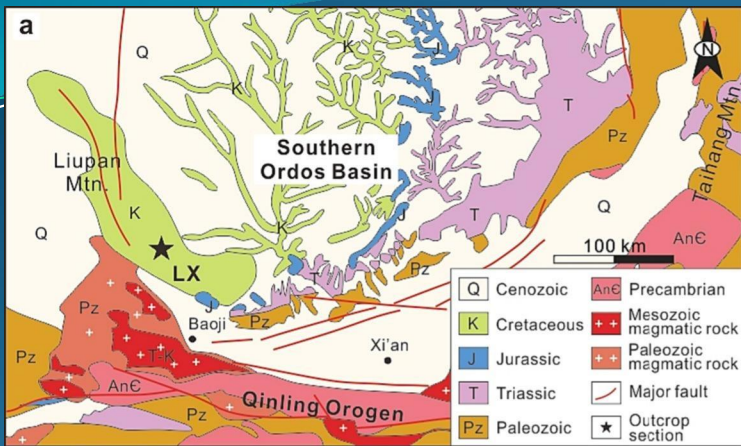
白垩纪重要地质事件 (李罡等, 2021)

[illegible]

Chamberlain, Wan et al., 2015

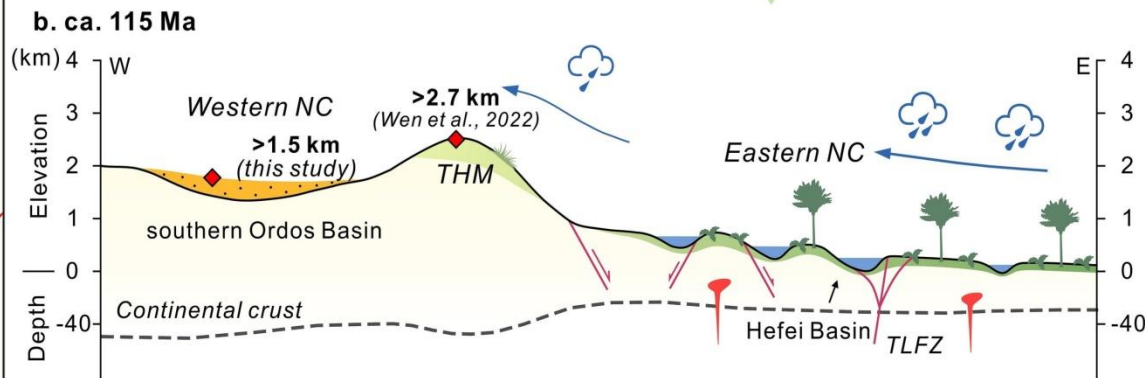
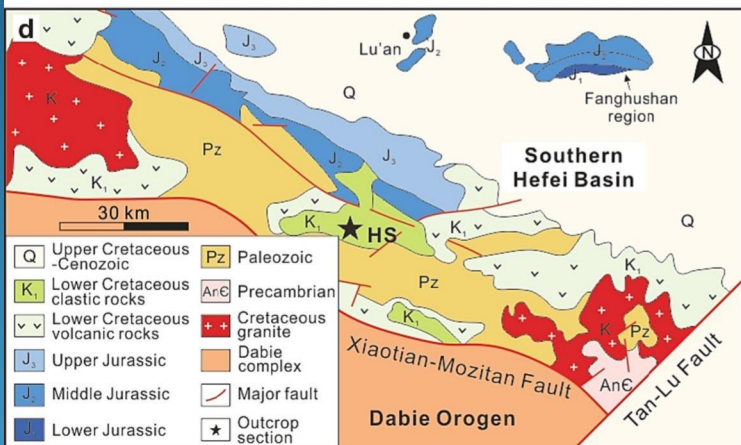


酒泉盆地早白垩世碳稳定同位素地层学 (Zheng et al., 2021)

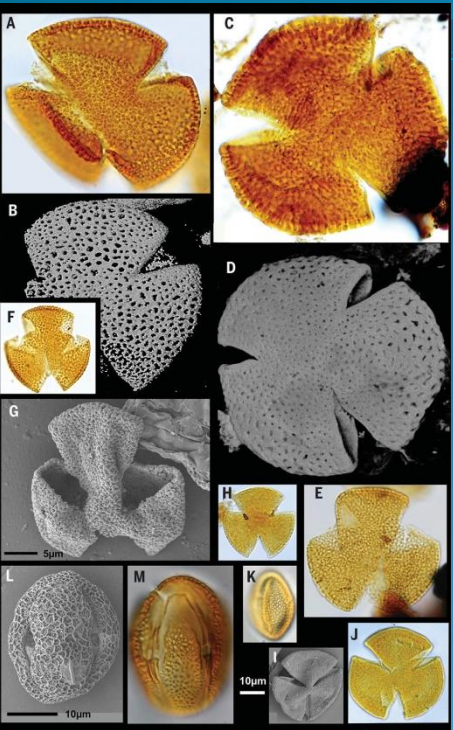


$\delta^{13}\text{C}$ variations indicate relatively unchanged paleoelevation

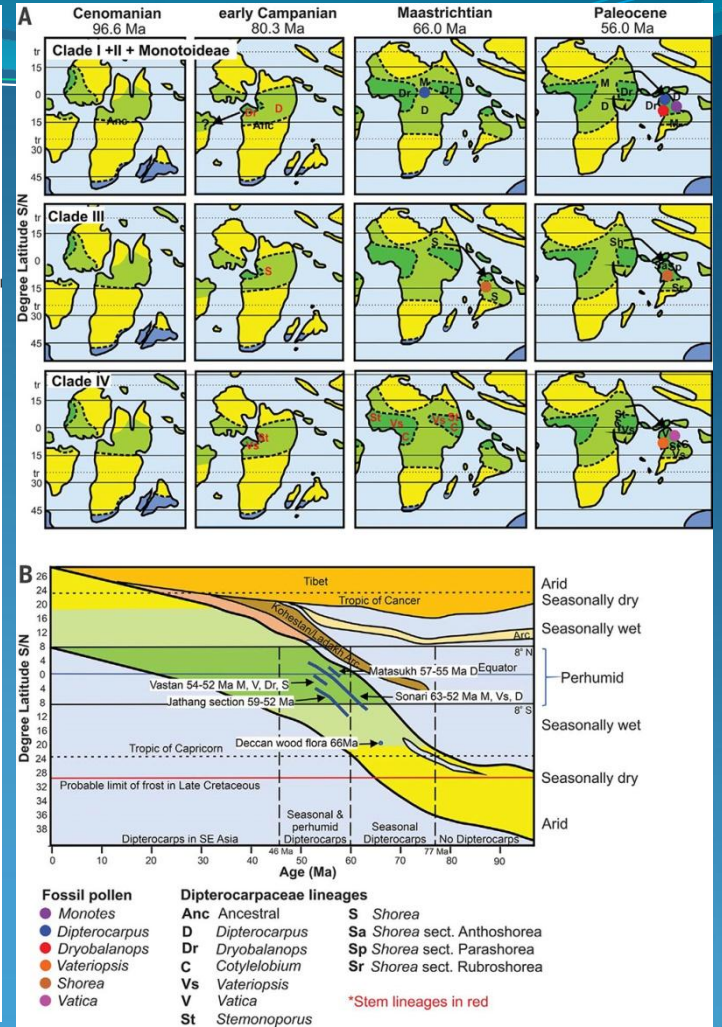
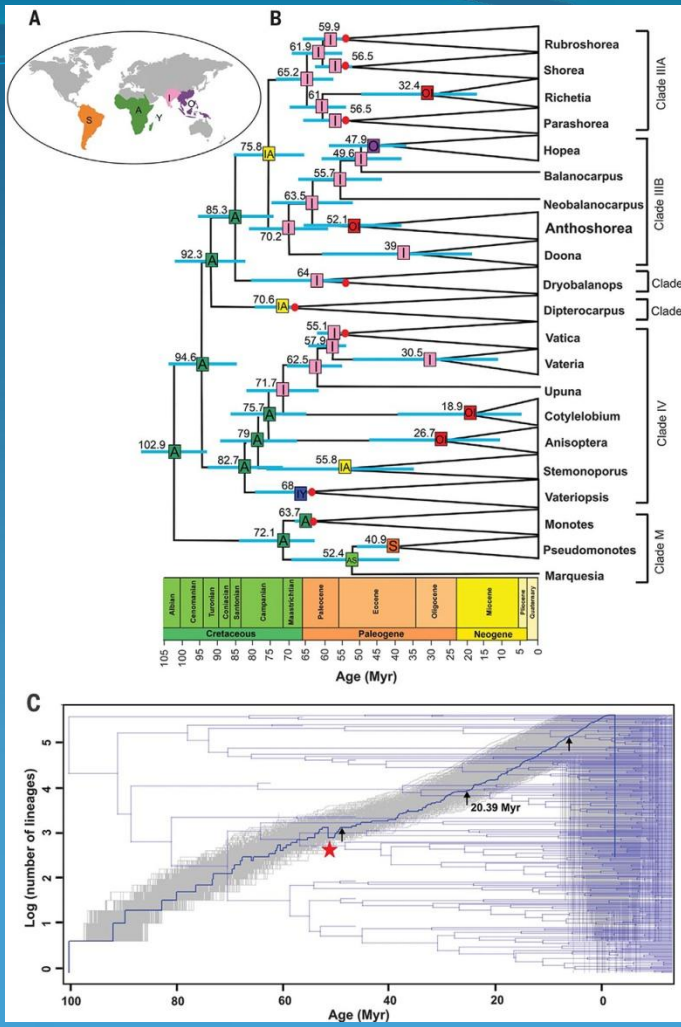
$\delta^{13}\text{C}$ variations indicate decreased paleoelevation



华北地区古高程演化 (Jin et al., 2023)



非洲-印度植物学交流驱动
东南亚龙脑香科的起源和
多样化
Bansal et al., 2022, Science



2023工作进展

年度国际研讨会

1. **First International Symposium** and a business meeting in Qingdao, Shandong, China, Oct. 11-17, 2019
2. **Joint Workshop IGCP679 & IGCP 668** during Jan. 7-8, 2020
3. **Second International Symposium** and a business meeting were held during Oct. 26-27, 2021 Online
4. **Third International Symposium** and a business meeting were held during Aug. 3-8, 2023 of APC2 in Tokyo, Japan



2023年野外工作



2023年科普工作 (6.23-25)



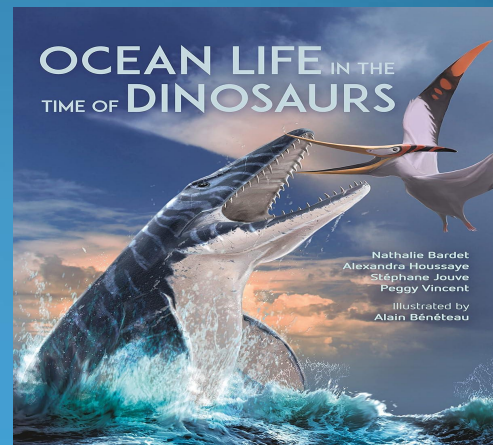
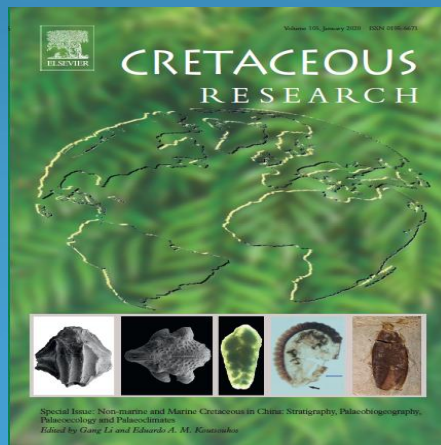
1. 2023年8月在东京举办：

白垩纪地球动力学和亚洲古气候国际学术研讨会

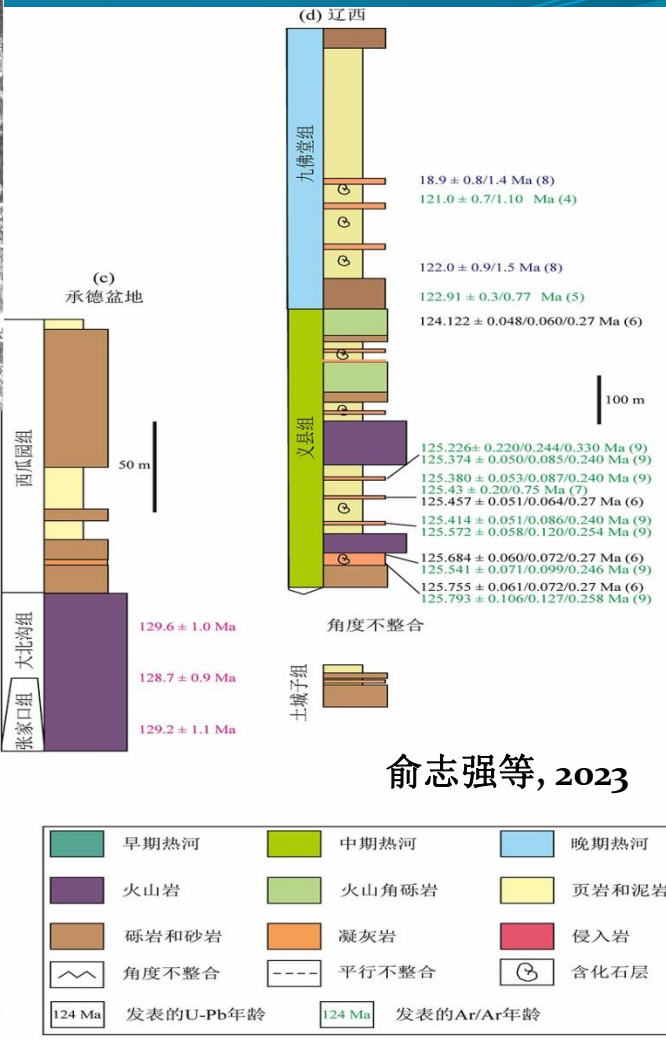
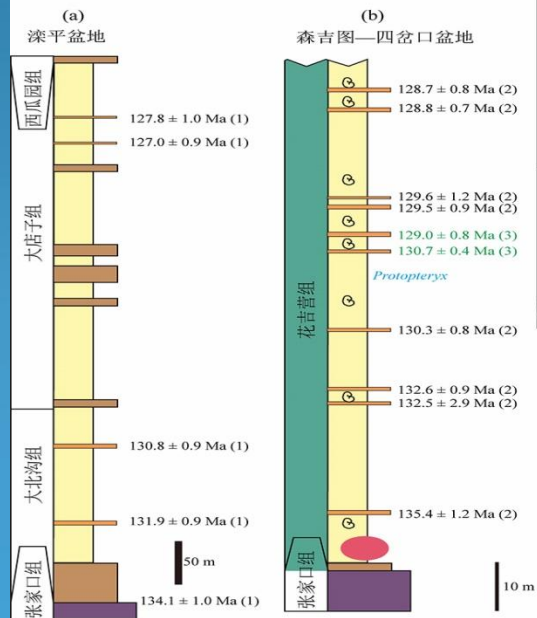
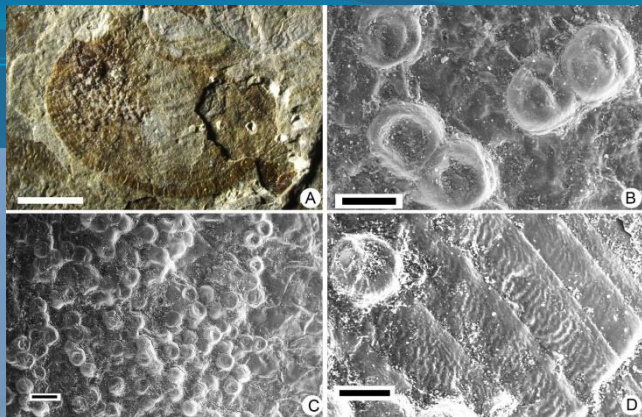
作为第二届
亚洲古生物
学大会特别
会场



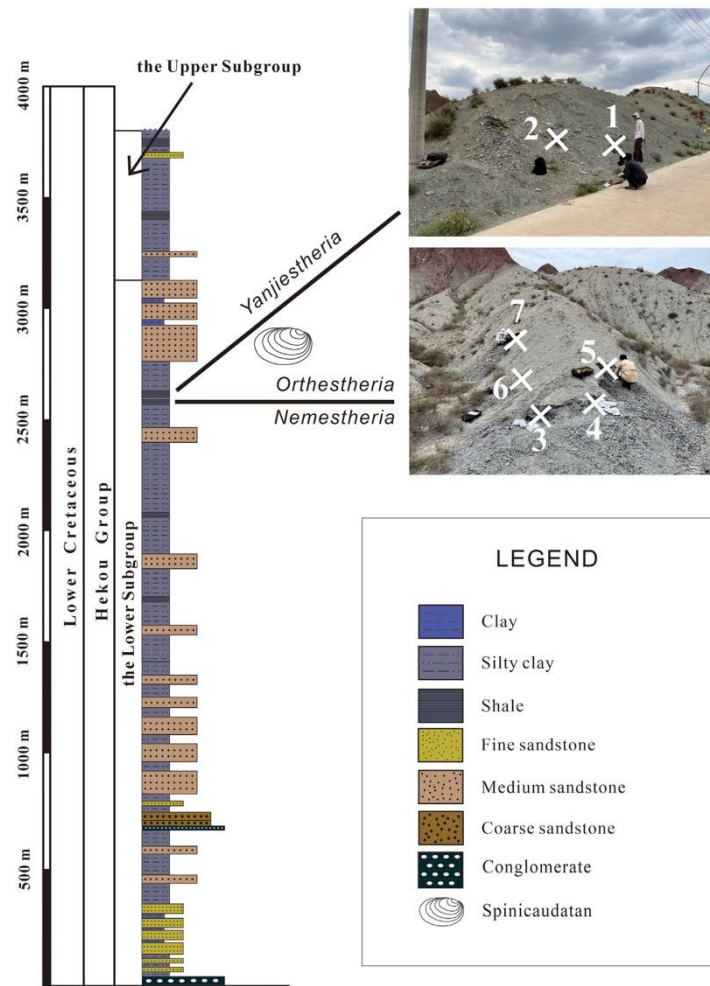
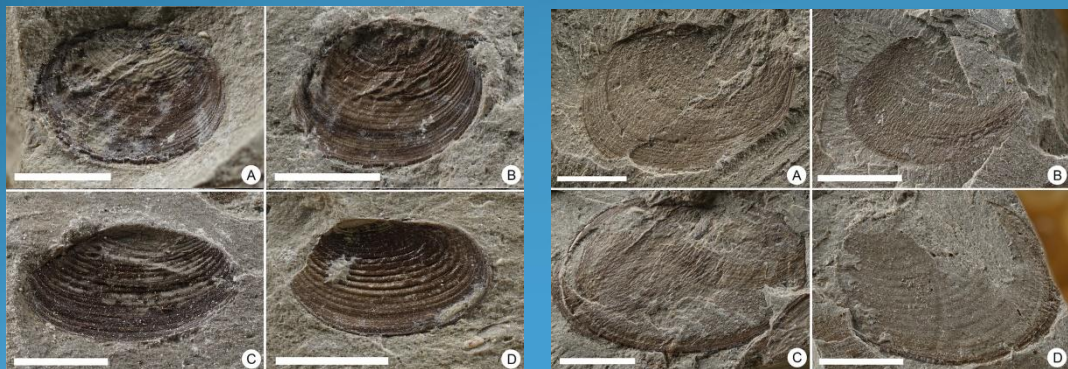
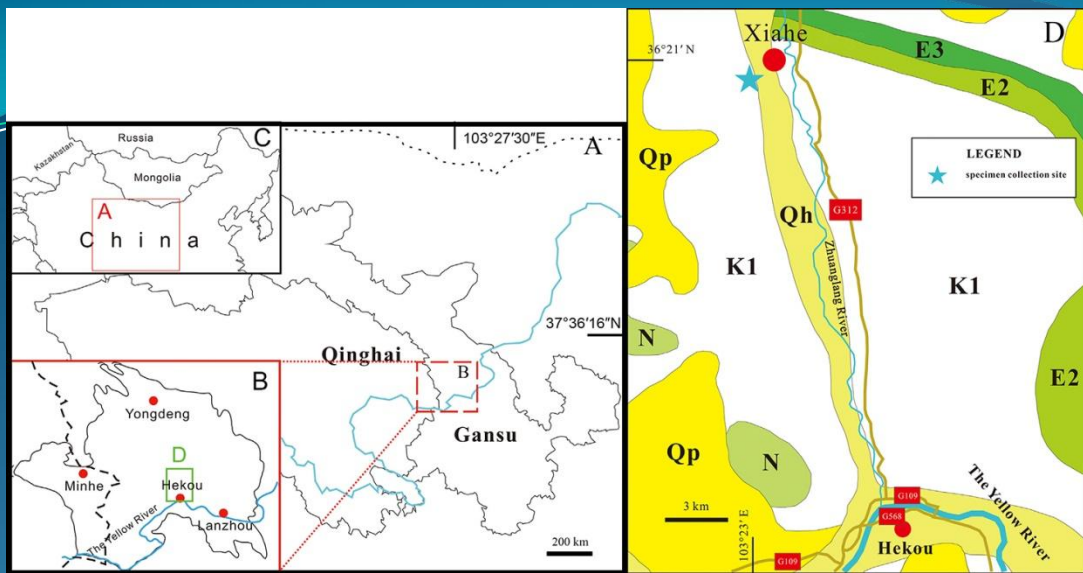
2. 组织出版英文专
辑：Cretaceous
Research VSI Jan. 2023;
发表85偏论文；编著书
籍两部：Windows into
sauropsid and synapsid evolution
(Lee, Y.N.)



2023工作进展



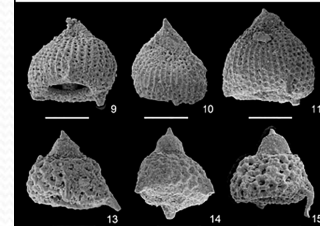
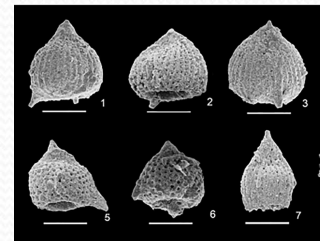
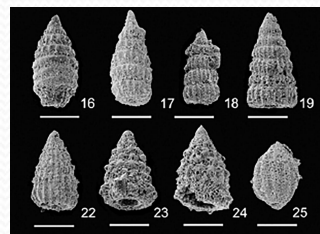
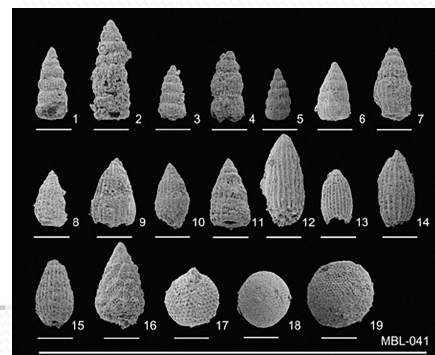
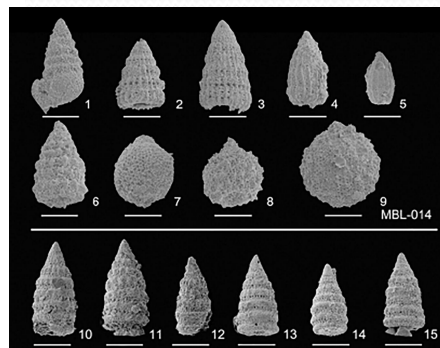
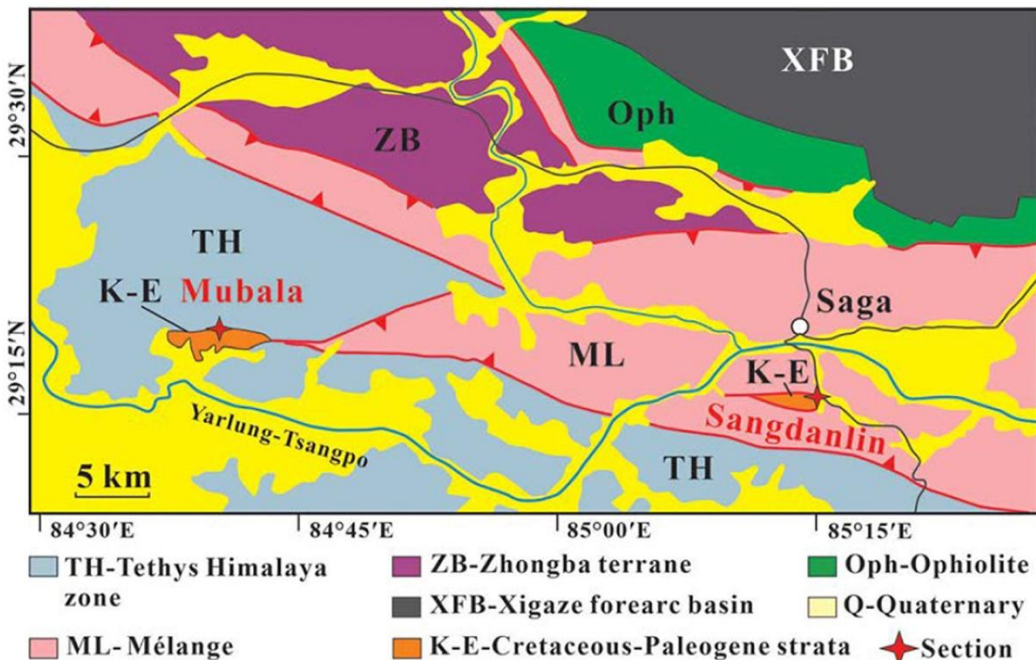
俞志强等, 2023



兰州盆地河口群叶肢介化石的发现 (Xue et al., 2023)

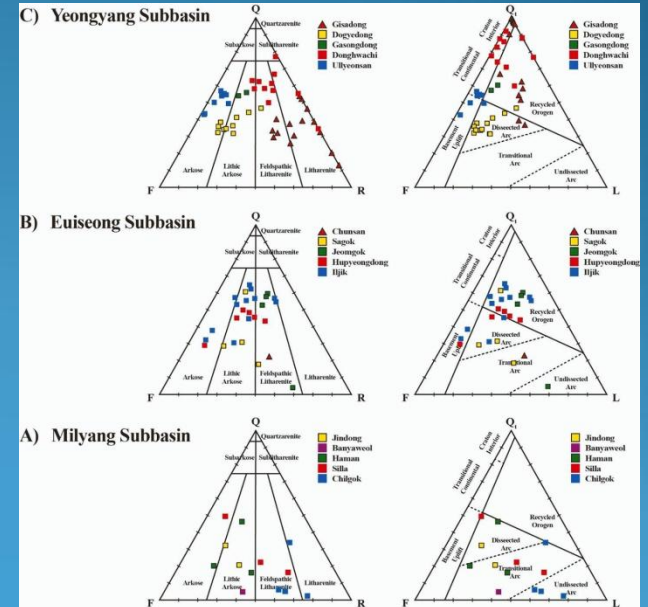
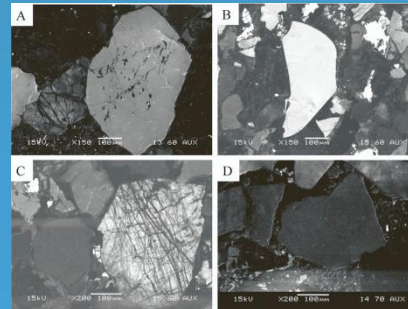
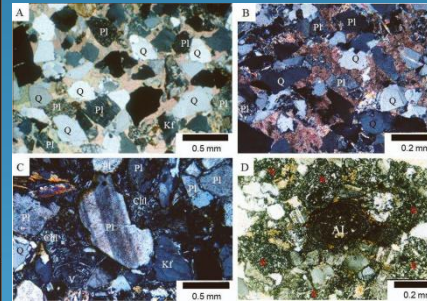
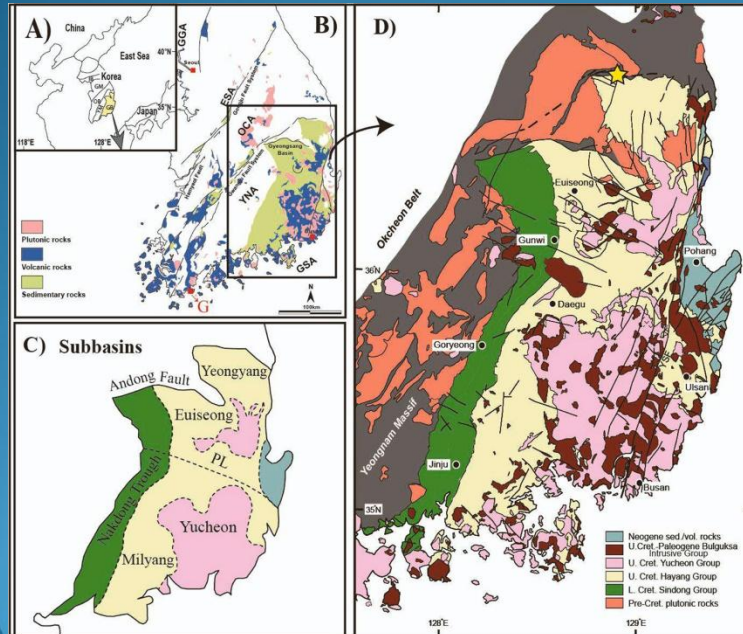
From Neo-Tethyan convergence to India-Asia collision: radiolarian biostratigraphy of the Cretaceous to Paleocene deep-water Tethys Himalaya

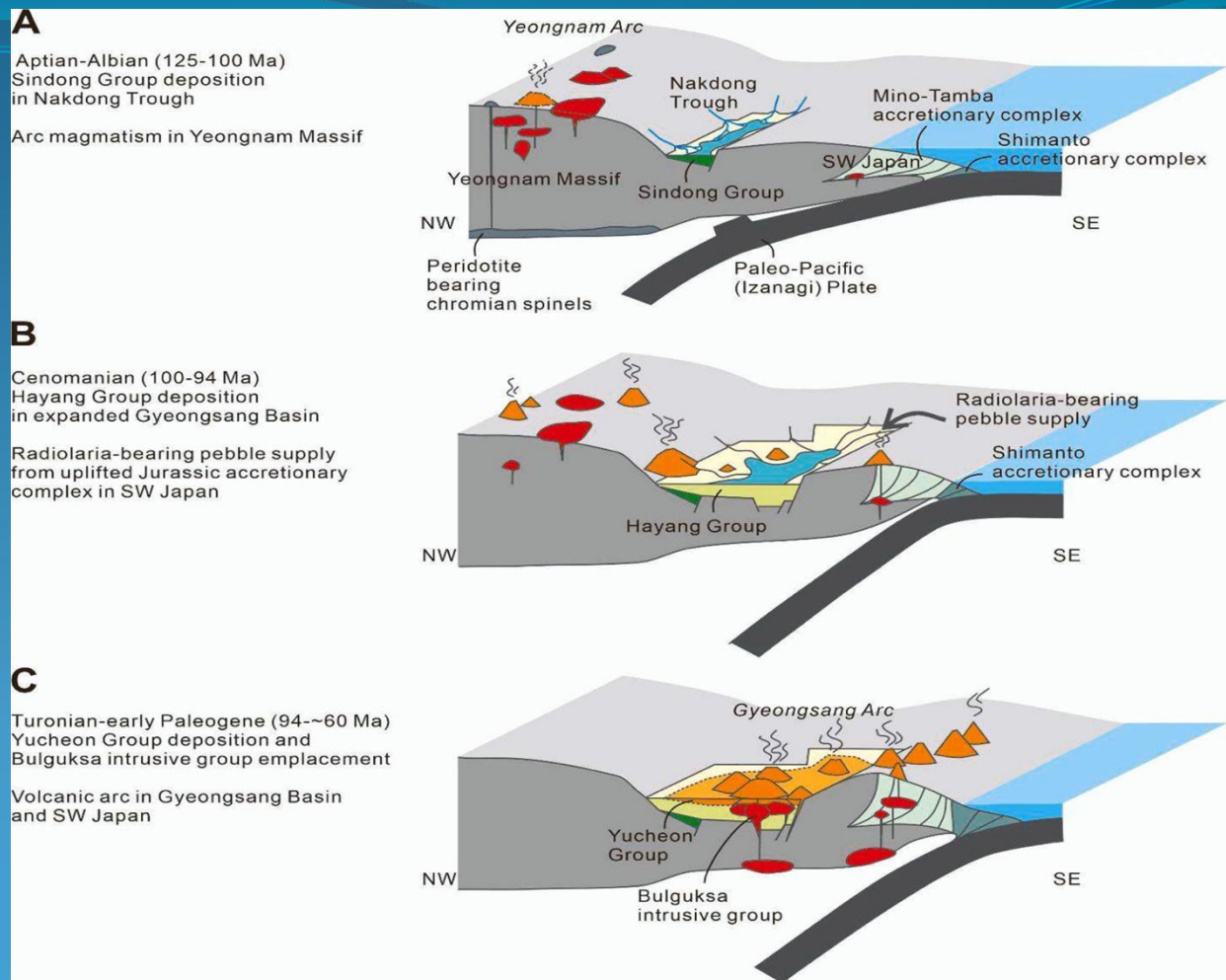
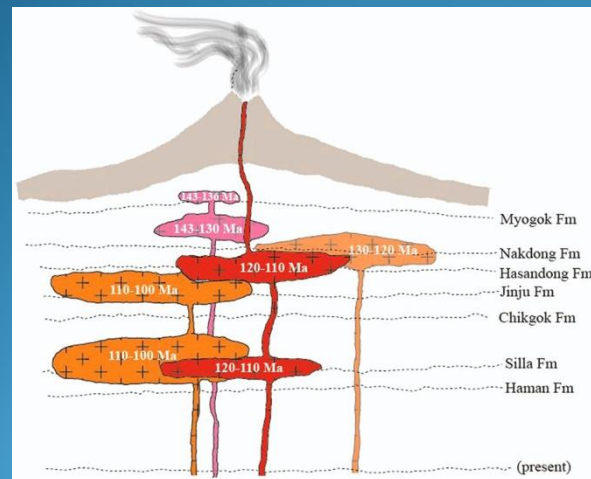
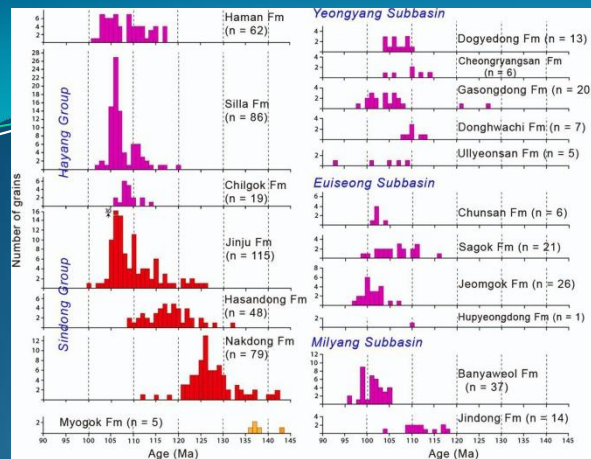
Xin Li¹, Xiumian Hu^{2*}, Wei An³, Qun Liu², Eduardo Garzanti⁴ and Jun Meng⁵



Provenance analysis of the Cretaceous Gyeongsang Basin, SE Korea: A synthesis and tectonic implications for active continental margin in East Asia

Yong Il Lee^{a,*}, Jae Il Lee^b, Yong Seok Choi^c

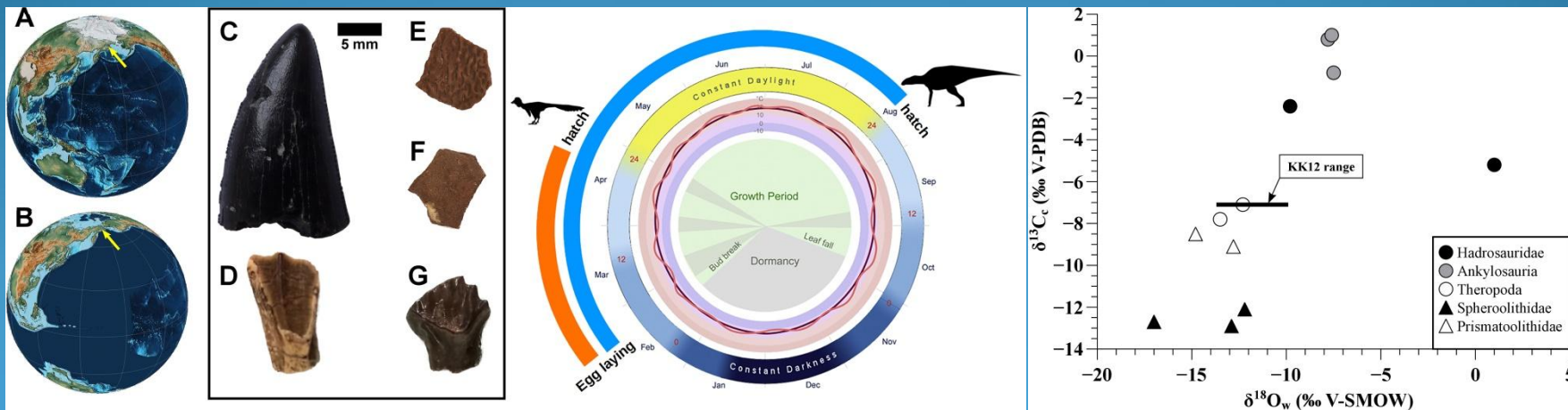




Article

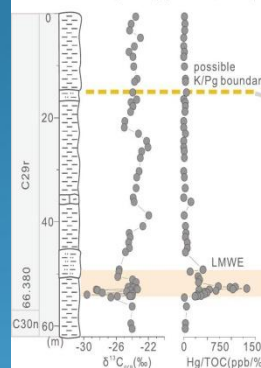
High-Latitude Dinosaur Nesting Strategies during the Latest Cretaceous in North-Eastern Russia

Romain Amiot ^{1,*} , Lina B. Golovneva ², Pascal Godefroit ³, Jean Goedert ⁴ , Géraldine Garcia ⁵, Christophe Lécuyer ¹, François Fourel ⁶, Alexei B. Herman ⁷ and Robert A. Spicer ^{8,9} 

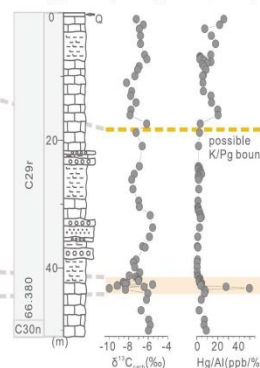




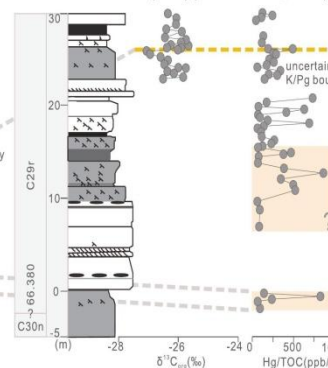
A. Jialai Basin (China) (Li et al., 2022)



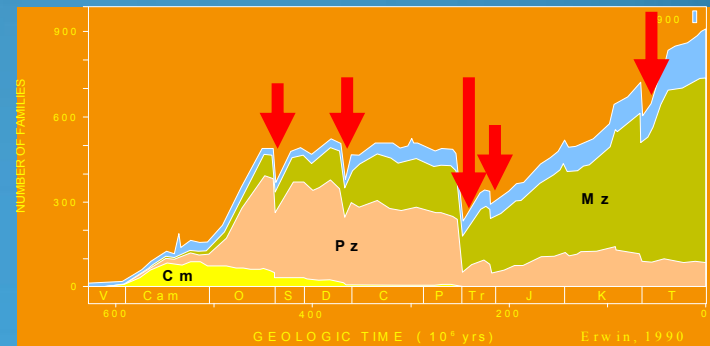
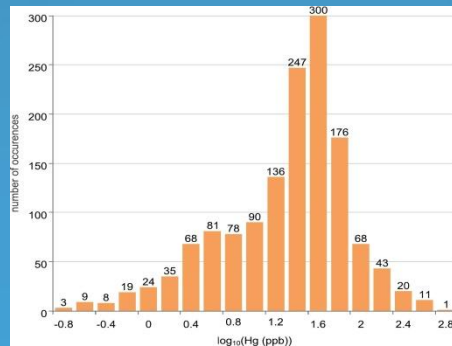
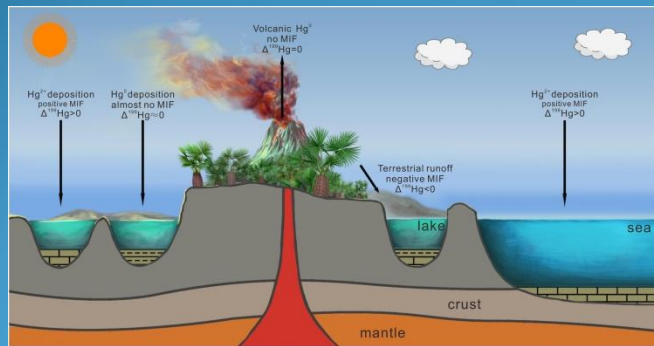
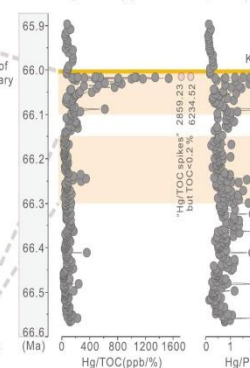
B. Pingyi Basin (China) (Li et al., 2022)



C. East Gilbert Creek (USA) (Percival et al., 2018)



D. Elles (Tunisia) (Keller et al., 2020)



2024工作计划:

Aug. 25-31, 2024在第37届国际地质大会期间
在韩国Busan举办2024年度IGCP 679学术年会



谢谢大家!

