

Activity Report 2024 – Task Forces / Coordination

Committees

Project Title: Global Geo Transects (GGT)

Project No.: 2021-CC4

PI(s): Shuwen DONG, Hans Thybo, Larry Brown

1. Highlights of recent ILP Task Force work/results

A ~1000 km long of reflection/refraction seismic profile in collaboration with Mongolia is continuing, as part of a geophysical-geological transect across Mongolia, linking existing geosections in the Qinghai-Tibet Plateau and Siberia.

Extension of collaboration with IPGP in France as leading to European GeoSection.

The first phase of BBS data acquisition in Brazil has been completed in 2024.

2. Presence at international meetings/workshops (this year)

GGT co-organised two symposia at IGC 2024:

DEEP-2024, Townhall Meeting, EarthCT (Continental Transects), Beijing, Oct. 21-24, 2024

3. Important publications of ILP Task Force members (max. five)

Li, J.H., **Dong, S.W.**, Zhao, G.C., Peter A. Cawood, Stephen T. Johnston, Zhang, J., Xin, Y.J., Wang, J.M., 2024. Cretaceous coastal mountain building and potential impacts on climate change in East Asia. **Science Advances**, 10, eads0587, DOI: 10.1126/sciadv.ads0587.

Shi, W., **Dong, S.W.**, Zhang, Y.Q. 2024. Jurassic contractional deformation in the central–western North China craton in response to multi-plate convergence in the East Asia. *Geosystems and Geoenvironment*, 3. <https://doi.org/10.1016/j.geogeo.2022.100099>.

SHI Wei, **DONG Shuwen**, HU Jianmin. Neotectonics around the Ordos Block, North China. *Acta Geologica Sinica (English Edition)*, 2024, 98(supp. 1): 62-66.

4. New contacts (this year)