



Second Workshop of Project IGCP-662

Orogenic architecture and crustal growth from accretion to collision Gobi-Altai accretionary orogen

04th – 10th July, 2019, Ulaanbaatar, Mongolia



PROGRAM



MINISTRY OF MINING
AND HEAVY INDUSTRY



www.igcp.662.org.cn

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IGCP 662 Second Workshop General Program

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| Registration: | July 4, 2019; 8:00- 8:40 | MUST, Library Building, 6 th floor |
| Oral and Poster Presentations: | 8:40- 17:20 | MUST, Library Building, 6 th floor, Conference Hall No. 604 |
| Lunch: | 12:50-14:00 | MUST, Library Building: ground floor |
| Museum of Geology and Mineral Resources | 17:40-18:20 | MUST, Library Building: ground floor |
| Welcome dinner: | 18:30-21:30 | UB Grand Hotel, 2 nd floor |
| Filed workshop in Gobi-Altai: | July 5-10, 2019 | Start at 7:00 AM from MUST |

Main Building of the Mongolian University of Science and Technology (MUST)

Museum of Geology & Mineral Resources

Conference Hall No. 604



IGCP 662 Workshop Program

4 July 2019

8:00 am - 8:40 am Registration

Conveners: Wang Tao and O.Gerel

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| 8:40 - 8:50 | Opening ceremony Keynote address: Prof. B.Ochirbat , Rector of the Mongolian University of Science & Technology Keynote address: Ministry of Mining and Heavy Industry |
| 8:50 - 9:20 | Invited presentation: Accretionary and collisional processes forming Mongolian tract of the CAOB K.Schulmann |
| 9:20 - 9:35 | A comparison of Nd isotopes of granitoids from the Central Asian Orogenic Belt and Qinling-Dabie Orogen and implications for understanding of crustal growth from accretion to collision Tao Wang , Xiaoxia Wang, Ying Tong, He Huang, Shan Li, Jianjun Zhang, Lei Guo, Lei Zhang, Penguin Son, Qie Qin. |
| 9:35- 9:50 | Does continental crust grow significantly by collision and/or subduction S.Y.O'Reilly , W.L.Griffin |
| 9:50 -10:05 | The phenomenon of prolonged magmatism within the Olkhon terrane (northern segment of the Central Asian Orogenic Belt) D.P.Gladkochub , T.V.Donskaya, E.V.Sklyarov, V.S.Fedorovsky, A.M.Mazukabzov |
| 10:05-10:20 | A visage of early Paleozoic Japan: geotectonic and paleobiogeographical significance of Greater South China with respect to CAOB Yukio Isozaki |
| 10:20-10:35 | Early Carboniferous metamorphism of the Neoproterozoic South Tien Shan-Karakum basement: New geochronological results from Baisun and Kyzylkum, Uzbekistan D.Konopelko , Yu.Biske, K.Kullerud, R.Seltmann, I.Safonova |
| 10:35-10:50 | The Orkhon-Selenge volcanic-plutonic belt of the Mongol-Okhotsk Orogen: Petrology and new geochronological data O.Gerel , B.Munkhtsengel, A.Chimedtseren, B.Batkhishig, B.Altanzul, B.Soyolmaa |
| 10:50 -11:20 | Group Photo Tea/Coffee break & Poster Presentation |

| Conveners: D.Gladkochub and S.Demberel | |
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| 11:20-11:35 | South Siberian post-collision magmatic belt: geochemical features of felsic and mafic rocks T.V.Donskaya , D.P.Gladkochub, A.M.Mazukabzov, S.A.Pisarevsky |
| 11:35-11:50 | Rift-related mafic protoliths of Cambrian eclogites in the Ross orogen, Antarctica: The Ediacaran missing link for continental rifting and detrital zircon source along the East Gondwana margin Taehwan Kim , Yoonsup Kim, Moonsup Cho, Jong Ik Lee |
| 11:50 -12:05 | Large-scale latest-Triassic to Early Jurassic I-type felsic rocks in the northern Great Xing'an Range, NE China: evidence for southward subduction of the Mongol–Okhotsk Ocean Yinglei Li |
| 12:05-12:20 | Tectonic Evolution of the Central Asia Orogenic Belt (CAOB): Constraints from the PTt paths of metamorphism in the central Inner Mongolia Chunjing Wei , Jinrui Zhang, Hang Chu |
| 12:20-12:35 | The middle Triassic high-P metamorphism and late Triassic medium-P overprint of metapelites in the Nam Co accretionary complex, Song Ma suture zone, NW Vietnam Bui Vinh Hau, Yoonsup Kim , Yeon-Joong Jeong. |
| 12:35 -12:50 | U-Pb detrital zircon ages of Cambrian–Ordovician sandstones from the Taebaeksan Basin, Korea: Provenance variability in platform sequences and paleogeographic implications Moonsup Cho , Wonseok Cheong, Yoonsup Kim |
| 12:50 - 14:00 | Lunch |
| Conveners: S.Y.O'Reily and K.Schulmann | |
| 14:00 - 14:15 | Development of approaches to integration of isotope data and geological map resources for DDE International Project O.Petrov, V.Snezhko, V.Khalenev, F.Larionov |
| 14:15-14:30 | Genesis and tectonic setting of adakitic intrusive rocks in the Upper Heilongjiang Basin, NE China Guang Wu , Gongzheng Chen, Yinglei Li, Fei Yang, Tiegang Li |
| 14:30 - 14:45 | Formation and evolution of Precambrian continental crust in Phansipan Northwest Vietnam Pham Trung Hieu , Pham Minh |
| 14:45 - 15:00 | Basement of the Tuva-Mongolia terranes: Provenance implication and tectonic evolution B.Uyanga , Yukio Isozaki |
| 15:00-15:15 | Geological & Geophysical Appraisal of Mashki Chah Porphyry (Cu-Au-Mo) Prospect in Chagai Magmatic Arc; With an Introduction to the Tethys Belt in W-NW Himalayas, Pakistan Yasir Shaheen Khalil , Li Wenyuan, Syed Ali Abbass, MA Zhonping, Hong Jun |

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| 15:15-15:30 | The Liuyuan Complex in the Beishan Orogen, NW China: an ophiolite at the southern edge of the Central Asia Orogenic Belt? Insights from new mapping, petrology and geochemistry. Gabriel Sombini dos Santos , Jean Bedard, Shoufa Lin, and Cees van Staal |
| 15:30-15:45 | Early Cretaceous forearc extension in the Neo-Tethyan subduction zone, southern Tibet: A record from mafic dike swarms Lingsen Zeng , Qian Xu, Haitao Wang, Yinglong Di, Yu Shen, Yaying Wang, Zhaoping Hu, Yafei Wang |
| 15:45-16:00 | Tectonic affinity of the northern Longshoushan-Beidashan: constraints from the Zircon geochronology and Hf isotopic compositions of the Haisen Chulu gneiss Wang Maomao, Zhang Lei , Huo Yujia, Shi Xingjun, Liu Cui, Wang Tao |
| 16:00-16:20 | Tea/Coffee break & Poster Presentation |
| Conveners: Ts.Narantsetseg and Ying Tong | |
| 16:20 - 16:35 | Hf isotopic mapping of Paleozoic Granitoids in the Yili Block, NW China: implications for continental growth in the Central Asian Orogenic Belt He Huang , Tao Wang, Qin Qie, Ying Tong, Peng Song |
| 16:35 -16:50 | The internal architecture of the Early Paleozoic accretionary prism, Tseel unit, southern west Mongolia – new geochronological, structural and petrological constraints S.Turbold , O.Lexa, K.Schulmann, C.Aguilar, P.Štípská, P.Hanžl |
| 16:50- 17:05 | Comparison of architectures of the Meso-Cenozoic (Western Pacific) and Later Neoproterozoic-Paleozoic (CAOB) accretionary systems D.Otgonbaatar , M.M.Buslov, A.V.Kulikova, T.Oyunchimeg, L.Dagva-Ochir, D.Sharav, D.Erdenechimeg, L.Bulganzaya |
| 17:05-17:20 | Crustal structure study in Mongolian Altai T.Baasanbat , Ts.Baatarchuluun |
| 17:20-17:35 | Multiple metamorphic events recorded within eclogites of the Chandman district, SW Mongolia O.Javkhlan , Akira Takasu, Md Fazle Kabir, D.Bat-Ulzii |
| 17:40-18:20 | Visiting the Museum of Geology and Mineral Resources |
| 18:30- 21:30 | Welcome dinner (UB Grand Hotel) |

Poster session: 4 July 2019

Conveners: B.Munkhtsengel and D.Odgerel

Sm-Nd Isotope Systematics of the Cenozoic sand deposits of the eastern flank of the Baikal Rift Zone: a new information on the age of the continental crust in the western part of the Aldan Shield
A.B.Kotov, T.M. Skovitina, V.P. Kovach, S.D. Velikoslavinskii, I.N. Buchnev, E.V. Tolmacheva, V.A. Gorovoy

Geochemistry and Geochronology of Dulaankhan pluton, Northern Mongolia
B.Gendenjams, B.Munkhtsengel, D.Odgerel, D.Sanchir, B.Ganbat

Multiscale geophysical characterization of the Central Asian Orogenic Belt: Case study of southern Mongolia
A.Guy, **K.Schulmann**, N.Holzrichter, J.Ebbing, M.Munsch

Stress field and fault zones in the crust at the Ulaanbaatar city (Central Mongolia)
K.Zh.Seminsky, S.Demberel

Influence of Late Cenozoic Volcanism on the Morphology of River Valleys in the South-Baikal Volcanic Province
E.V.Lebedeva, T.M.Skovitina, D.V.Mikhalev, V.A.Pellinen, D.V.Mishurinsky

The origin of the Ordovician Gubaoquan eclogite in the Beishan Orogenic Collage in NW China
Jordy de Vries, Shoufa Lin, Cees van Staal, Chris Yakymchuk

Source and geochronology of Neoproterozoic granitoids in south Mongolia and its tectonic implications
Lei Guo, Ying Tong, Ts.Narantsetseg, Lei Zhang, O.Enkh-Orshikh, Tao Wang

Contrasting deep crustal compositions between the Altai and East Junggar orogens, SW Central Asian Orogenic Belt: Evidence from zircon Hf isotopes
Peng Song, Tao Wang, Ying Tong, and Jianjun Zhang

The Beishan orogen of the southern Central Asian Orogenic Belt: microcontinental crustal evolution and tectonic implications
Zhen-Yu He, Reiner Klemm

Remnant Paleo-Asian Ocean subduction zones within the continental lithosphere: evidences from deep seismic reflection profiles
H.Hou, R.Gao, W.Fu, A.Kröner, X.Zhang, J.Zhou, J.Yang, R.Guo

Tracking deep ancient crustal components by statistical analysis on information of xenocrystic/inherited zircons within igneous rocks from the Altai-East Junggar regions
Jianjun Zhang, Tao Wang, Ying Tong, Zhaochong Zhang, He Huang, Lei Zhang, Lei Guo, Peng Song, Zengqian Hou

Compressional Sedimentary Basins Orogenic Belts - Plate Tectonics Fold and Thrust belts: hydrocarbon Exploration
Sunjay

Middle Paleozoic oceanic basalts from the Tsoroidog Uul area hosted by the Tsetserleg accretionary terrane, Central Mongolia
L.Dagva-Ochir, T.Oyunchimeg, D.Otgonbaatar, B.Enkhdalai, A.Battushig

Zircon U-Pb geochronology, source features and tectonic significance of the Ulan Badrach rock body in southern Mongolia
Xiaowei Zhang

Evolution of late Mesozoic volcanism in the continental margin of eastern China
Huaimin Xue

Study progress of the deep seismic reflection profile across the eastern orogenic belt of northern China

