FIRST CIRCULAR

International Conference on Continental Dynamics and Environmental Change of the Tibetan Plateau

18-21 June 2006
Xining, Qinghai Province, P. R. China

Organized by
Chinese Academy of Sciences (CAS)
People's Government of Qinghai Province, P. R. China
The Geological Society of America (GSA)

We Invite You to Attend

International Conference on Continental Dynamics and Environmental Change of the Tibetan Plateau

18-21 June 2006
Xining, Qinghai Province, P. R. China

Invitation

The Tibetan Plateau has been recognized as one of the most ideal natural laboratories in the world for studying intracontinental deformation, orogenesis, and environmental change. On the one hand, scientists have been making new discoveries on the formation, evolution and environmental changes of the Tibetan Plateau. On the other hand, we are also finding many new questions worthy of being answered. The purpose of this conference is to bring together an international group of scientists to exchange ideas and discuss the present state of knowledge related to the formation, evolution and environmental changes of the Tibetan Plateau.

We invite all those interested in the science of continental dynamics and environmental change in the Tibetan plateau to join us in Xining, China, in 2006.

Organized by

Chinese Academy of Sciences (CAS)
People's Government of Qinghai Province, PR China
The Geological Society of America

Co-sponsored by

Bureau of Geological Survey of Ministry of Land and Natural Resources, P. R. China (BGSC)
National Natural Science Foundation of China (NSFC)
National Seismological Bureau of China

Co-ordinated by

Institute of Geology and Geophysics, CAS
Institute of Tibetan Plateau Research, CAS
The China Society on Tibetan Plateau
Bureau of Science and Technology, Qinghai Province, P. R. China

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Bentai DENG Vice-Governor of Qinghai Province, P. R. China
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Venue

The International Conference of Continental Dynamics and Environmental Change of the Tibetan Plateau will be held 18-21 June 2006 in Xining, Qinghai Province, PR China. The elevation of Xining is 2400m, and daytime temperature is around 20°C.

Secretariat

Secretariat in general

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Abstract Submission

Registered participants need to submit abstracts of papers **in English** for publication well in advance of the conference. Further details regarding the abstract submission process will be provided in the Second Circular.

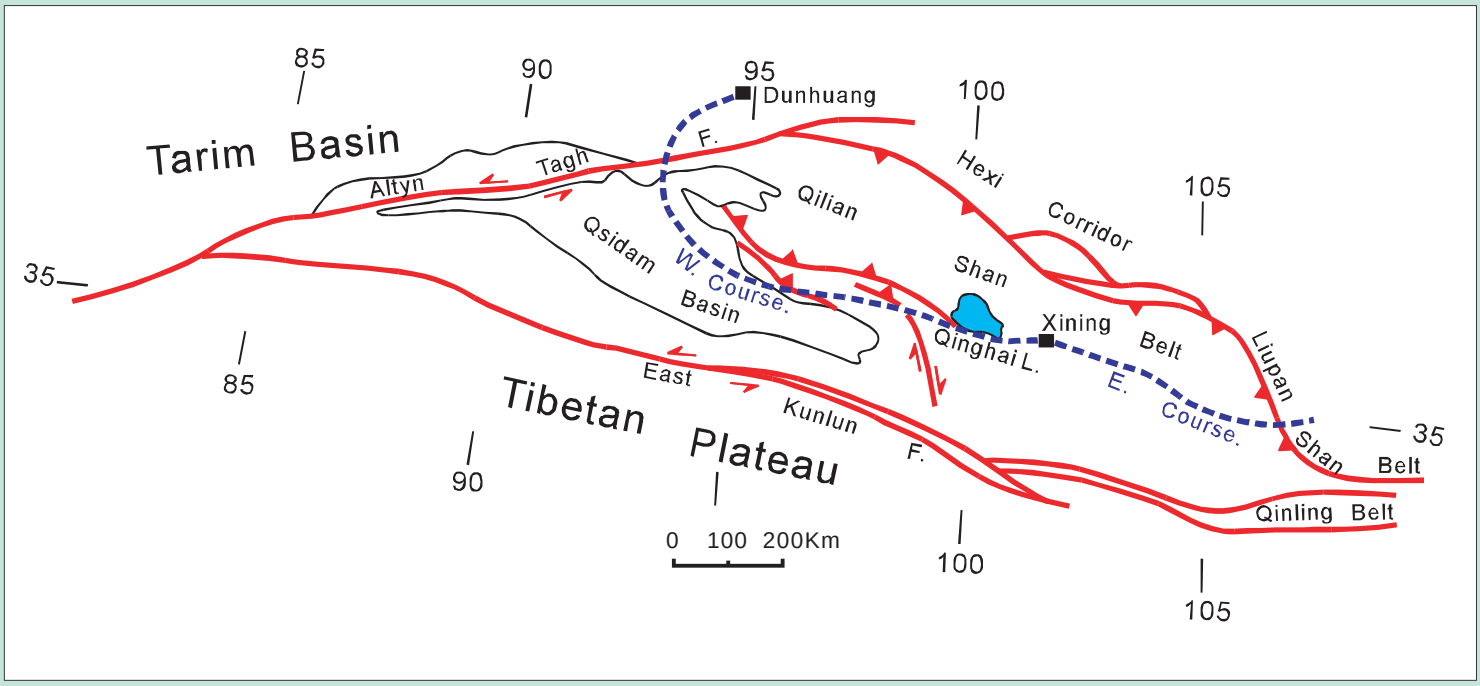
Meeting Themes

- **Cenozoic Intracontinental Tectonics theme** is intended to explore deformational features and associated sedimentation, metamorphism and magmatism along the strike-slip faults and the zones of crustal shortening and extension.
- **Collision Process theme** is intended to address a series of Paleozoic to Cenozoic collision events and their associated tectonic, magmatic, metamorphic and sedimentary processes.
- **Plateau Uplift theme** is intended to explore the timing and mechanism of plateau uplift, and includes surface feedback mechanisms associated with the plateau uplift.
- **Geophysical Processes and Petrological Evolution theme** is intended to explore crust-upper mantle structure and its dynamic understanding from seismic and potential field measurements within the Tibetan plateau and adjacent areas, and to address the special and temporal evolution of the magmatism and associated deep processes of the lithosphere.
- **Environmental Changes theme** is intended to explore facts of environmental changes and their mechanism as well as the effects during and after the uplift processes.

Field Excursions

The conference site is in the city of Xining, which is the capital of Qinghai Province. The city is situated in the northeast periphery of the Tibetan Plateau, where the kinematics and dynamics of Cenozoic intracontinental deformation, the evolution of plateau uplift and the correlation with collisional processes took place. This tectonism has resulted in the formation of the Qilian Shan, the East Kunlun and the Altyn Tagh orogenic belts, the Qaidam and Lanzhou basins, and a series of strike-slip faults including the Altyn Tagh and Haiyuan faults. Optional field trips offered will explore and highlight these themes (see map).

- **West line:** From Xining City to Dunhuang City through the Sun-Moon Mt., the Qinghai Lake, the Qaidam basin, the Qilian Shan thrust-fold belt, the Altyn Tagh belt and the Altyn Tagh strike-slip fault, observing active thrusts, folds, normal faults and strike-slip faults, syn-tectonic sedimentary sequences, ultra-high pressure metamorphic rocks and surface processes.
- **East line:** From Xining to Liupan Shan through Lanzhou City, the Linxia basin, the Liupan Shan thrust-fold belt and the Yellow River, observing the Quaternary loess, the Tertiary sedimentary sequence related to plateau uplift and climate change, surface processes, active thrusting and folding.



Schematic map showing the field trips

Symposium Fees

All participants, including speakers, must register for the conference. Registration fees for the conference, as well as for the various field trips, will be provided in the Second Circular.

Registration

If you are interested in this symposium, please complete the PARTICIPATION FORM and return to the attention of any of meeting organizers listed above.

Important Date

Last Date to Register: 31 January 2006

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Xining, Qinghai Province, P. R. China

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Pre-Registration Form

Name.....

Position.....

Badge.....

Organization.....

Address.....

.....

.....*Pin Code/Zip*.....*Country*.....

Telephone.....*Fax*.....

E-mail.....

Title of Abstract.....

.....

I would prefer to present: *an oral presentation* ☐ *a poster* ☐

I intend to register for a field trip:

_____ *East Line (22 June to 25 June 2006)*

_____ *West Line (22 June to 25 June 2006)*

_____ *I will not be participating in a field trip.*

Please complete the Pre-Registration form and return to

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