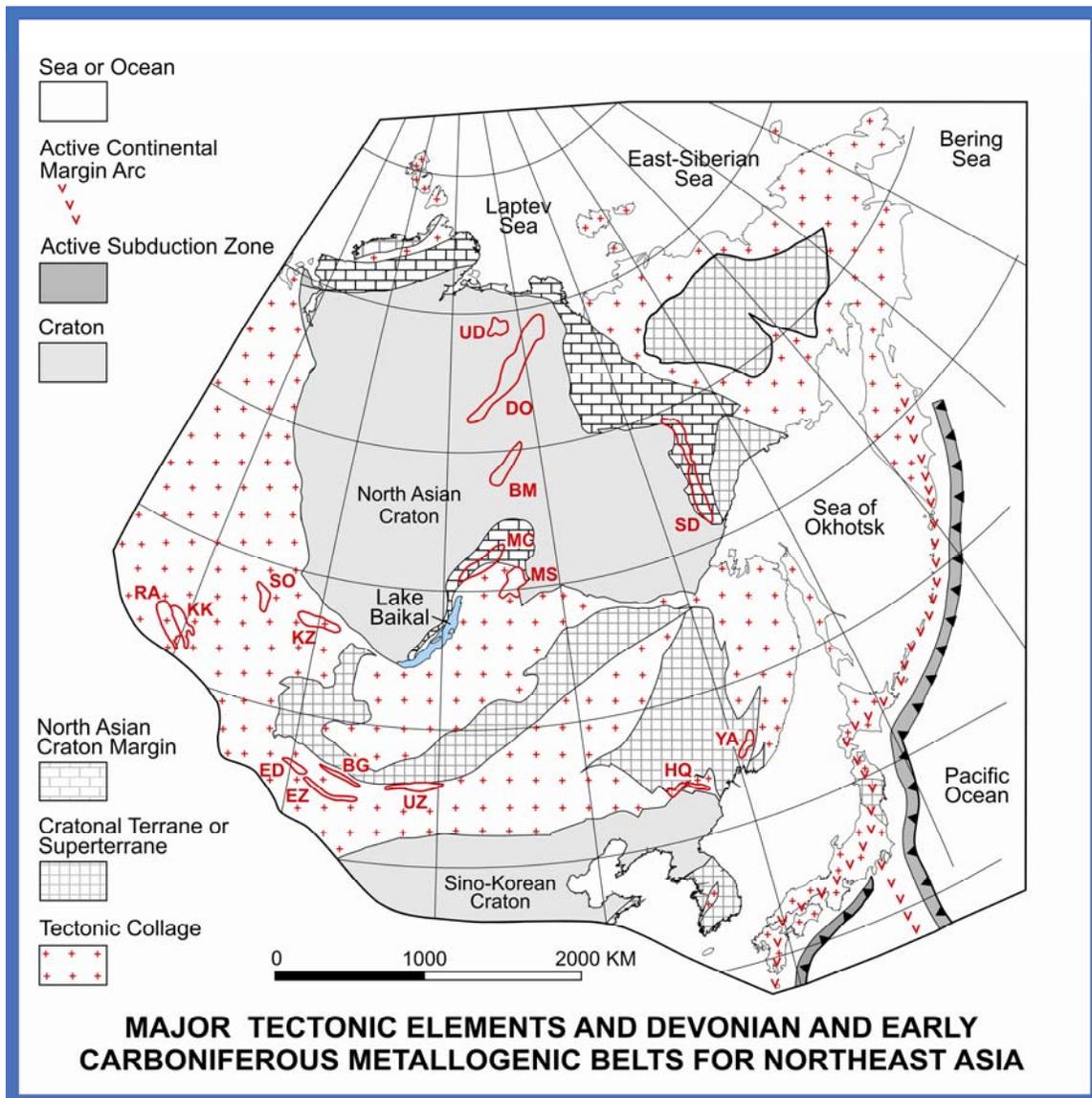


# Metallogenes and Tectonics of Northeast Asia

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Prepared in Collaboration with Russian Academy of Sciences, Mongolian Academy of Sciences, Korean Institute of Geosciences and Mineral Resources, Geological Survey of Japan/AIST, Jilin University



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This volume will contain, upon completion, a series of interpretative articles on the metallogensis and tectonics of Northeast Asia. The volume consists of the following chapters and appendices.

- A. Introduction to Metallogensis and Tectonics of Northeast Asia.
- B. Methodology of Combined Regional Metallogenic and Tectonic Analysis.
- C. Mineral Deposit Models for Northeast Asia.
- D. Archean to Mesoproterozoic Metallogensis and Tectonics of Northeast Asia.
- E. Neoproterozoic to Silurian Metallogensis and Tectonics of Northeast Asia
- F. Devonian to Early Carboniferous Metallogensis and Tectonics of Northeast Asia.
- G. Late Paleozoic through Middle Triassic Metallogensis and Tectonics of Northeast Asia.
- H. Late Triassic through Quaternary Metallogensis and Tectonics of Northeast Asia.
- I. Metallogenic and Tectonic Model for Northeast Asia.
- J. Dynamic Tectonic Model for the Metallogensis and Tectonics of Northeast, and Data Sets.
- Appendix A. Products of the Northeast Asia Project.
- Appendix B. Detailed Description of Map Units for Northeast Asia Summary Geodynamics Map.
- Appendix C. Summary of Major Metallogenic Belts for Northeast Asia.

Chapters A through C provide an overview of the geology and metallogensis of the region, an explanation of the methodology of regional metallogenic and tectonic analysis employed for the project, and descriptions of mineral deposit models (types) for the project. Chapters D through H provide descriptions of the characteristics and interpretations of the origins of the major geologic units, metallogenic belts, and major mineral deposits for a series of time slices that range from the Archean to the Present. Chapter I presents a description of an integrated metallogenic and tectonic model for the region. And chapter J presents (1) a dynamic tectonic and metallogenic model for the region, and (2) a comprehensive series of geologic maps, mineral deposit location map, and metallogenic belt maps, and descriptions of map units for the region.

This volume is based on publications of the major international collaborative studies on the metallogenesis and tectonics of Northeast Asia that were led by the U.S. Geological Survey. The Northeast Asia project area consists of eastern Russia (most of Siberia and most of the Russian Far East), Mongolia, Northern China, South Korea, Japan, and adjacent offshore areas. The major participating agencies are the Russian Academy of Sciences, Academy of Sciences of the Sakha Republic (Yakutia), VNIIOkeangeologia and Ministry of Natural Resources of the Russian Federation, Mongolian Academy of Sciences, Mongolian University of Science and Technology, Mongolian National University, Jilin University, Changchun, China, the China Geological Survey, the Korea Institute of Geosciences and Mineral Resources, the Geological Survey of Japan/AIST, University of Texas Arlington, and the U.S. Geological Survey. A summary of the major products of this project are contained on the Web at:

[http://pubs.usgs.gov/of/2006/1150/PROJMAT/NE\\_Asia\\_Project\\_Pamphlet.pdf](http://pubs.usgs.gov/of/2006/1150/PROJMAT/NE_Asia_Project_Pamphlet.pdf).

