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地球化学填图与地球化学勘查 [点此下载全文](#)

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摘要:

在中国与西方国家, 地球化学填图的目的与做法并不相同, 西方的地球化学填图是由研究机构开展的, 使用等离子焰光量计、X射线荧光光谱仪等大型仪器进行多元素分析, 目的是取得多种元素在地球表层分布的基础性资料。地球化学勘查则由矿业公司主要分析少量成矿元素, 目的是为了找矿。而中国的地球化学填图计划却做出了巨大努力, 使地球化学填图取得的资料既有学术价值又对矿产勘查具有重大的实用意义。本文详细讨论了西方国家与中国地球化学填图与地球化学勘查的思路、方法与技术的演变, 并瞻望了地球化学填图在21世纪的巨大发展前景。

关键词: [地球化学填图](#) [地球化学勘查](#) [多元素分析](#)

Geochemical Mapping and Geochemical Exploration [Download Fulltext](#)

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Abstract:

The aims and approach of geochemical mapping have been different in China and western countries. Geochemical mapping in western countries has been undertaken by research institutes and universities relying on large instruments with capacity of simultaneous analysis of many elements. The aims of these research projects are to obtain fundamental information of academic interest about the distribution of many elements on earth surface. Geochemical exploration is undertaken by mining companies with analysis of a few ore elements in order to discover new ore deposits. In China we have made great effort to make geochemical mapping both having academic interest and also very useful in mineral exploration. This paper discusses the evolution of concepts and methodology in geochemical mapping and exploration in China & western countries and also foresees the expanding scopes of geochemical mapping in the future.

Keywords: [geochemical mapping](#) [geochemical exploration](#) [multi-element analysis system](#)

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