

中国著名科研院所

**A Guide to
Major Sci-Tech
Institutions of
China**

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海 洋 出 版 社
《中國著名科研院所》叢書編輯委員會

中國著名科研院所

A Guide to Major Sci-Tech Institutions of China



海洋出版社

CHINA OCEAN PRESS

(京)新登字087號

中國著名科研院所

《中國著名科研院所》編輯委員會

海洋出版社出版(北京市復興門外大街1號)

中國圖書進出口總公司國外總發行

精美彩色印刷有限公司印刷

北京達望科技開發中心督印

開本：1/16 印張：62 字數 1000 千字

1993年12月第一版 1993年12月第一次印刷

印數：1-1000册

ISBN 7-5027-4013-9/Z · 666

A Guide to Major Sci-Tech Institutions of China

Edited by: The Editorial Committee of

A Guide to Major Sci-Tech Institutions of China

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Distributed outside China by the Export Department of
China National Publications Import & Export Corporation
Printed by Jingmei Color Printing Co., Ltd, Beijing, China
Printing Supervisor: Beijing Dove Science and Technology
Development Center

任何國家和民族都有權利用世界科學技術的成就為自己的人民造福……

Every country or nation has the right to utilize the achievements of the world's science and technology for the benefits of its people ...

中国著名科研院所

宋健

The title of the book in Chinese is written by Mr. Song Jian,
State Councilor and Chairman of SSTC, P.R.C.
本書書名由中華人民共和國國務委員、國家科委主任宋健題簽

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地質礦產部

Ministry of Geology and Mineral Resources

名稱	地址	郵編	電話
地質礦產部			
地質礦產部地質研究所	北京市西城區百萬莊路26號	100037	(01)8311133-375
* 地質礦產部礦牀地質研究所	北京市西城區百萬莊路26號	100037	(01)8329364
地質礦產部地質力學研究所	北京市海淀區	100081	(01)8351890
* 地質礦產部岩礦測試技術研究所	北京市西城區百萬莊路26號	100037	(01)8323635
* 鄭州礦產綜合利用研究所	河南省鄭州市中原區伏牛路26號	450006	(0371)7448864
天津地質礦產研究所	天津市河東區大直沽八號路4號	300170	(022)4314292
* 地質礦產部水文地質工程地質研究所	河北省石家莊市正定縣	050803	(0311)822027
* 宜昌地質礦產研究所	湖北省宜昌市西陵區港審路21號	443003	(0717)448976
* 瀋陽地質礦產研究所	遼寧省瀋陽市皇姑區北陵大街25號	110032	(024)6847571-236
南京地質礦產研究所	江蘇省南京市中山東路534號	210016	(025)6641622
* 地質礦產部岩溶地質研究所	廣西桂林市七星路40號	541004	(0773)422442-3041
成都地質礦產研究所	四川省成都市人民北路	610082	(028)3332742
成都礦產綜合利用研究所	四川省成都市人民南路四段	610041	(028)6632524
* 西安地質礦產研究所	陝西省西安市友誼東路166號	710054	(029)521266
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地質礦產部562綜合大隊	河北省三河縣燕郊鎮	101601	(03258)9526727
* 地質礦產部地球物理地球化學勘查研究所	河北省廊坊市金光道2號	102849	(0316)25872-231
* 地質礦產部勘探技術研究所	河北省廊坊市金光道一號	102489	(0316)25312
地質礦產部探礦工程研究所	北京市房山縣周口店	102405	(01)9324602
* 地質礦產部探礦工藝研究所	四川省成都市西城區西北橋	610081	(028)3332893
* 地質礦產部石油地質研究所	北京市海淀區成府路20號	100083	(01)2012233-438
地質礦產部石油物探研究所	江蘇省南京市棲霞區衛崗21號	210014	(025)6649191
* 地質礦產部石油地質中心實驗室	江蘇省無錫縣錢橋鄉	214151	(0510)668043
* 地質礦產部海洋地質研究所	山東省青島市市南區	266071	(0532)5815313
* 地質礦產部石油鑽井研究所	山東市德州市東風東路35號	253005	(0534)622468
* 地質礦產部中國地質科學院	北京市西城區百萬莊路26號	100037	(01)8323292
* 地質礦產部中國地質礦產經濟研究院	北京市259信箱	101149	(01)9546243
* 地質礦產部中國地質礦產信息研究院	北京市阜外北街277號	100037	(01)8323270
地質礦產部水文地質工程地質技術方法研究所	河北省保定市七一中路7號	071051	(0312)436195
地質礦產部中國地質勘察技術院	北京市西城區西四	100812	(01)6031144-8470
地質礦產部中國水文地質工程地質勘察院	北京市海淀區大慧寺20號	100081	(01)8350261

注:標有“*”的院所,書中均有詳細介紹。

Name	Add	P.C.	Tel
Ministry of Geology and Mineral Resources			
Geology Institute of Ministry of Geology and Mineral Resources	No. 26 Baiwanzhuang Road, Western District, Beijing	100037	(86-1)8311133-375

Name	Add	P.C.	Tel
* Institute of Deposits and Geology, Ministry of Geology and Mineral Resources	No 26 Baiwanzhuang Road, Western District, Beijing	100037	(86-1)8329364
Geomechanics Research Institute, Ministry of Geology and Mineral Resources	Haidian District, Beijing	100081	(86-1)8351890
* Institute of Rock and Mineral Analysis, Ministry of Geology and Mineral Resources	No 26 Baiwanzhuang Road, Western District, Beijing	100037	(86-1)8323635
* Zhengzhou Institute of Multipurpose Utilization of Mineral Resources	No 26 Funiu Road, Zhongyuan District, Zhengzhou, Henan Province	450006	(86-371)7448864
Tianjin Institute of Geology & Mineral Resources	No 4, Dazhigu 8th Road, Hedong District, Tianjin	300170	(86-22)4314292
* Institute of Hydrogeology & Engineering Geology, Ministry of Geology & Mineral Resources	Zhengding County, Shijiazhuang, Hebei Province	050803	(86-311)822027
* Yichang Institute of Geology and Mineral Resources	No 21 Gangyao Road, Xilin District, Yichang City, Hubei	443003	(86-717)448976
* Shenyang Geology & Mineral Resources Institute	No 25 Beilin Street, Huanggu District, Shenyang, Liaoning Province	110032	(86-24)6847571-236
Nanjing Institute of Geology & Mineral Resources	No 534 East Zhongshan Road, Nanjing, Jiangsu Province	210016	(86-25)6641622
* Karst Geology Research Institute, Ministry of Geology & Mineral Resources	No 40 Qixing Road, Guilin, Guangxi	541004	(86-773)422442-3041
Chengdu Institute of Geology & Mineral Resources	North Renmin Road, Chengdu, Sichuan	610082	(86-28)3332742
Chengdu Institute of Multipurpose Utilization of Mineral Resources	Fourth Section of Ren-min-nan-lu Road, Chengdu, Sichuan Province	614200	(86-28)6632524
* Xi'an Institute of Geology & Mineral Resources	No 166 East Youyi Road, Xi'an, Shaanxi	710054	(86-29)521266
China Geological Museum, Ministry of Geology and Mineral Resources	No 15 Yangrou Hutong, Xisi, Western District, Beijing	100034	(86-1)6026422
The 562 Comprehensive Research Team of Ministry of Geology & Mineral Resources	Yanjiao Town, Sanhe County, Hebei Province	101601	(86-3258)9526727
* Research Institute of Geophysics & Geochemistry, Ministry of Geology & Mineral Resources	No 2 Jinguang Road, Langfang, Hebei Province	102849	(86-316)25872-231
* Prospecting Technology Institute of Ministry of Geology and Mineral Resources	No 1 Jinguang Road, Langfang, Hebei Province	102489	(86-316)25312
Institute of Prospecting Engineering, Ministry of Geology and Mineral Resources	Zhoukoudian, Fangshan County, Beijing	102405	(86-1)9324602
* Research Institute of Mineral Exploration Technology, MGMR	Xibeiqiao, Xicheng District, Chengdu, Sichuan Province	610081	(86-28)3332893
* Institute of Petrogeology, Ministry of Geology and Mineral Resources	No 20 Chengfu Road, Haidian District, Beijing	100083	(86-1)2012233-438
Petroleum Prospecting Institute of Ministry of Geology & Mineral Resources	No 21 Weigang, Qixia District, Nanjing, Jiangsu Province	210014	(86-25)6649191
* The Central Laboratory of Petroleum Geology of Ministry of Geology & Mineral Resources	Qianqiao Xiang, Wuxi County, Jiangsu Province	214151	(86-510)668043
* Oceanic Geology Institute of Ministry of Geology & Mineral Resources	Shinan District, Qingdao, Shandong	266071	(86-532)5815313
* Petroleum Drilling Institute of Ministry of Geology and Mineral Resources	No 35 East Dongfeng Road, Dezhou, Shandong Province	253005	(86-534)622468
* Chinese Academy of Geological Sciences, Ministry of Geology & Mineral Resources	No 26 Baiwanzhuang Road, Western District, Beijing	100037	(86-1)8323292
* Chinese Academy of Geological Economics, Ministry of Geology and Mineral Resources	P.O. Box 259, Beijing	101149	(86-1)9546243
* China Information Institute of Geology & Mineral Resources, MGMR	No 277 North Fuwai Street, Beijing	100037	(86-1)8323270
Institute of Technical Methods in Hydrogeology & Engineering Geology, MGMR	No 7 Central 71st Road, Baoding, Hebei Province	071051	(86-312)436195
Chinese Academy of Geoexploration, Ministry of Geology and Mineral Resources	Xisi, Western District, Beijing	100812	(86-1)6031144-8470
Chinese Academy of Hydrogeology and Engineering Geology Exploration, Ministry of Geology and Mineral Resources	No 20 Dahuisi, Haidian District, Beijing	100081	(86-1)8350261

Note: All the institutions marked with “ * ” have detailed texts hereinafter.

中國地質科學院

中國地質科學院創建於1956年，是隸屬於地質礦產部的一個多學科、多功能、開放型的綜合性地質科學技術研究和高級人才培養機構。現任院長陳毓川(研究員、礦床地質學家)。

該院主要從事重大地質基礎理論和基礎地質、礦產地質、水文地質、工程地質、環境地質、岩溶地質、極地地質、深部地質、地球物理、地球化學、宇宙地質、岩礦測試技術、選冶技術和探測技術的研究，並不斷開發新技術和開拓新的研究領域。

該院現在已經發展成爲我國最大的地質科學技術研究機構，在職職工近6000人，各類專業技術人員近4000人，其中中國科學院學部委員14人，研究員(教授及教授級高級工程師)240人、副研究員(副教授及高級工程師)近700人、中級科技人員近2000人。經國務院學位委員會審定批准有權授予博士學位的學科和專業7個，有權授予碩士學位的學科和專業13個，並設有一個博士後流動站。院下屬有20個面向全國和大區的學科設置合理，各具專業特色的研究所(館、隊、中心、室);有裝備精良、技術先進的實驗室78個。礦物物理、礦物微量測試、穩定同位素、年代同位

礦產綜合利用濕法冶金—化工中試車間

A hydrometallurgical and chemical pilot plant



用透射電鏡進行礦物學研究
Mineralogical study with TEM

素、古地磁、地應力測量技術、構造變形模擬、微構造、流動熱液體系、選礦、高溫高壓、水文地質與工程地質、岩溶探測技術等實驗室在國內居一流水平，有的在國際上居于先進地位。地質力學、水文地質與工程地質、同位素地質等三個方面的實驗室向國內外開放，供廣大科技人員合作研究使用。

通過自己培養和選派到國外學習等多種渠道，該院相繼培養出千餘名在國內外有一定知名度的專家、學者、教授、研究員和學科帶頭人。近十餘年，培養博士和碩士研究生近400人，他們已在地球科學不同領域裏發揮帶頭和骨幹作用。

建院30多年來，在科學技術研究方面取得了豐碩成果。據不完全統

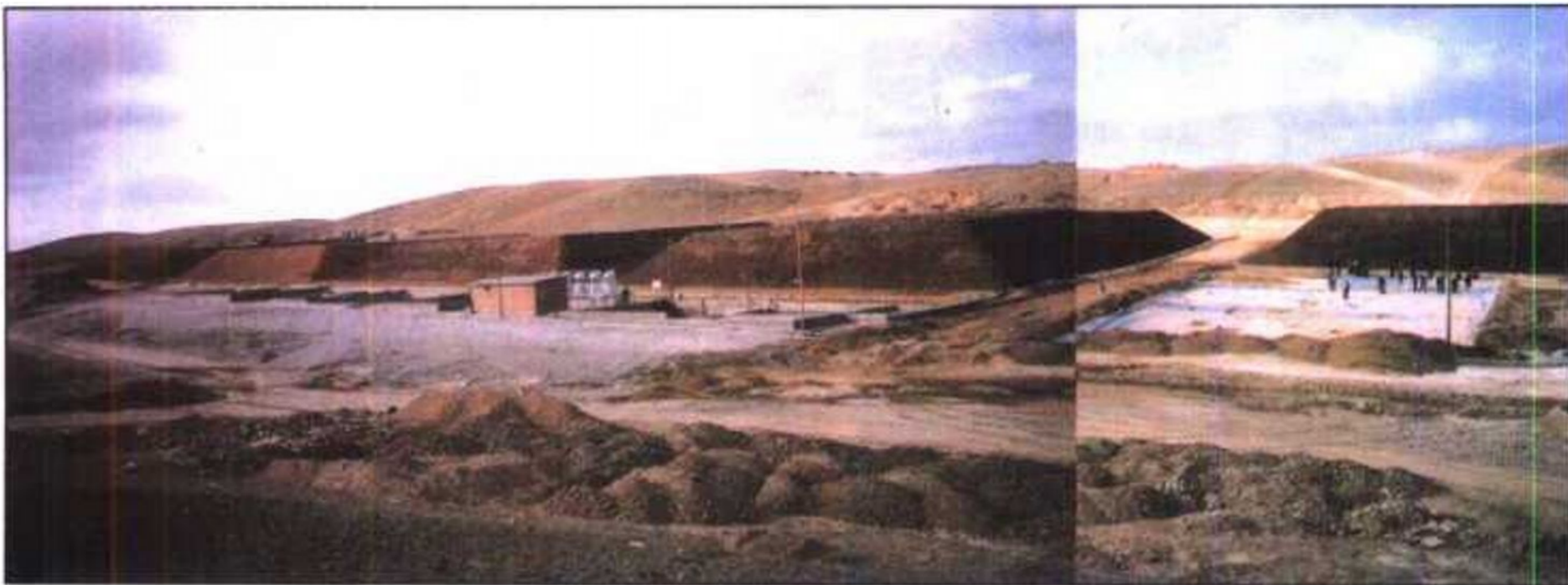
計，共完成科研課題(項目)近3000項，900多項成果獲獎，其中172項獲重大科技成果獎，134項獲1978年全國科學大會獎，14項獲國家自然科學獎，9項獲國家科技進步獎，4項獲國家發明獎，1項獲中國專利發明創造金獎，111項獲地質礦產部科技成果一、二等獎，爲國民經濟建設和地球科學發展做出了重要貢獻。

該院編輯出版中國地質科學院院報、年報，及各所所刊、專業刊物等32種，與國內外數百個單位和學術組織進行交流。

Chinese Academy of Geological Sciences

The Chinese Academy of Geological Sciences (CAGS) was founded in 1956. Directly under the Ministry of Geology and Mineral Resources, it is an open and polyfunctional scientific institution engaged in multidisciplinary, comprehensive geoscientific researches and in training senior research personnel. The president of the GAGS is Chen Yuchuan, a senior research fellow and a mineralogist.

The academy primarily deals with studies of major geological theories, basic geology, mineral geology, hydrogeology and engineering geology, environmental geology, karst geology, polar geology, deep geology, geophysics, geochemistry, cosmic geology, rock and mineral analytical techniques and ore prospecting, dres-



堆浸法提取黄金

A low-grade gold heap leaching plant

sing and smelting techniques as well as development of high technology and opening-up of new fields. The academy also gives full play to the 5 roles in geological work in the country, e.g. an adviser in geology, a mainstay in geoscientific researches, a coordinator of geoscientific projects and a place of training senior geological researchers.

Through the development of last 30 years or more, CAGS has now become the biggest geoscientific institution in the country. It has about 6,000 staff members, among whom about 4,000 are scientists and technicians of various specialities, including 14 members of Geoscience Department of Academia Sinica, 240 senior research fellows (or professors and senior geologists), about 700 associate research fellows (or associated professors) and about 2,000 assistant research fellows (or geologists). With approval from the Commission of Academic Degrees under the State Council, the academy is authorized to offer Doctor's degree in 7 branches of geosciences and Master's degree in 13 and has a centre for post-doctor education. Under the academy there are 20 institutes (parties, centers or divisions) distributed in different parts of the country and characterized by a rational setup of disciplines and specialities. Those of mineral physics, trace minerals, stable isotopes, chronologic isotopes, paleomagnetism, ground stress measurement, tectonic deformation modelling, microstructures, hydrothermal fluid system, ore dressing, high temperature and pressure, hydrogeology and engineering geology

and karst exploration, etc. are first-rate in China and some of them occupy an important position in the world. It also owns 78 well-equipped and technically advanced laboratories. The laboratories in geomechanics, hydrogeology and engineering geology and isotope geology are open to the public both at home and abroad.

The academy is very active in carrying out scientific, technological, economic and trade exchanges and cooperations with foreign countries. Since the policy 'reform and opening to the outside world' was carried out, the academy has conducted hundreds of multilateral and bilateral cooperations and exchanges with more than 50 countries and regions, and over 40 international academic organizations, in different scales and in various forms, and organized over 30 international symposia. Some foreign geologists well-known in the world have been invited as honorary advisers, research fellows, Doctors

and professors of the academy. A number of experts and scholars from the academy have gone abroad to give lectures or hold important posts in the international academic organization.

According to incomplete statistics, during the last 30 years or more, the academy has completed nearly 3,000 projects. Achievements of over 900 projects have been rewarded.

The academy has 32 periodical or nonperiodical publications including Bulletin of the Chinese Academy of Geological Sciences, Annual Report of the Chinese Academy of Geological Sciences, Bulletins of the Institutes affiliated to the academy and various professional publications. They are exchanged with over a hundred scientific institutions and organizations both at home and abroad.

同位素地質年代實驗室

Laboratory for Isotope Chronologic Geology



地質礦產部中國地質礦產信息研究院

中國地質礦產信息研究院成立於1987年，隸屬於地質礦產部。它是由前全國地質資料局(成立於1954年)、全國地質圖書館(成立於1922年)和地質礦產部情報所(成立於1964年)合併而成的地質礦產部直屬科研事業單位及綜合性信息服務機構。該院已建立起完整的地礦信息綜合服務系統，其中包括地礦信息資源保障體系、地礦信息檢索體系、地礦信息報導體系、地礦專題研究體系、地礦軟科學研究體系，它們之間能夠很好配合，具有進行多專業、多手段、多層次的信息服務能力。該院現有如下業務實體：①全國地質資料館。該館是國家級專業檔案資料館之一，也是世界上最大的地質資料館之一，館藏地質資料超過7.5萬種。②全國地質圖書館。該館與64個國家的407個單位建立了書刊交換關係及館際互借關係，館藏文獻近40萬冊。③地質礦產信息研究中心。該中心主要進行國內外地質科技進展、政策法規、組織管理研究以及國內外礦產資源供需形勢、發展戰略和政策研究。④地質礦產信息系統開發中心。它的任務是建立全國礦產資源信息系統(全國礦產

圖書資料庫
Stack room



儲量數據庫，礦產品的產、供、銷綜合信息數據庫，礦產可供性數據庫)，建立中外文地質文獻數據庫和地質資料信息庫，實現信息管理和服務計算機化。近十年來，該院共獲國家、部級獎勵60項。

Chinese Institute of Geology and Mineral Resources Information, Ministry of Geology and Mineral Resources

Chinese Institute of Geology and Mineral Resources Information, set up in 1987, subordinate to the Ministry of Geology and Mineral Resources(MGMR), is a comprehensive service institution of geology and mineral resources information, which is composed of the former National Geological Archives of MGMR (founded in 1954), the former National Geological Library (founded in 1922) and the former Institute of Geological Information of MGMR (founded in 1964). It has formed the guarantee system of geology and mineral resources information, the retrieval system of geology and mineral resources information, the editing and publishing system for geology and mineral resources information, the monographic study



計算機檢索系統
Computer indexing system

system on geology and mineral resources science, and the soft science study system on geology and mineral resources science, with the capabilities of offering multi-disciplinary, multi-means and multi-level information service. The institute has following professional entities: 1. National Geological Library, the state level and also one of the largest geological archives centres in the world; 2. National Geological Library, with a stock of near 400,000 books and periodicals. It has established up book exchange relations with 407 units of 64 countries and conducted interlibrary book-borrowing business with several countries; 3. Information Research Centre of Geology and Mineral Resources, mainly undertaking the study of progress of geological science and technology, the policies and regulations and the organizational administration of geological work at home and abroad, development of strategies and policies of mineral resources in China and abroad; 4. Development Centre of Geology and Mineral Resources Information System, which establishes national mineral resources information system and geological literature data base and geological archives data base, realizing computerized information management and service. During the last 10 years, the institute has obtained 60 items of scientific achievements which were awarded national or ministerial prizes.

中國地質礦產經濟研究院

中國地質礦產經濟研究院創建於1982年，是中國地礦部直屬的決策科學研究和高新技術研究並舉的綜合科研單位，主要從事礦產資源經濟、地質勘查經濟、技術經濟、勞動經濟、礦產開發管理和地質勘查管理科學化和現代化以及情報等方面的研究；地質機械儀器研究。它還參與地礦部地質工作發展戰略，中、長期發展規劃和有關地質礦產開發政策、法規的研究制定，為地礦部在地質礦產經濟決策方面提供基礎資料和建議；同時，受部委托負責地質標準和地質勞動定額的研究與編制。

全院現有各類專業技術人員307人，其中高級專業人員74人，中初級專業技術人員233人。10年來該院完成了科研課題222項，其中49項獲國家與地礦部科技成果獎。

近年來，該院對外科技合作與交流活動日益廣泛，地質礦產經濟和地質機械儀器研究已開始走向世界，已與15個國家建立了關係和交往。

該院在地礦部領導下，將團結一致地進一步搞好科研體制改革，調整科研結構，明確科研方向，集中力量，形成拳頭，打基礎，上水平，出成果，出人才，形成科研面向國民經濟建設和地質找礦，面向行業、面向世界的新局面。

該院下設7個職能處室和9個研究室及一個下屬的機電研究所。

Chinese Academy of Geology and Mineral Resources Economics

The Chinese Academy of Geology and Mineral Resources Economics (CAGMRE) was founded in 1982. CAGMRE, directly under the Ministry of Geology and Mineral Resources, the People's Republic of China, is a comprehensive scientific research institution mainly engaged in the policy-making study and high & new technical study. The major research fields cover mineral re-

sources economics, geological prospecting economics, geological technical economics, labour economics, scientific and modern methods of mining management and geological prospecting management, geological machineries and instruments designing, as well as the relevant information studies. It participates in studying and drawing up geological work development strategy, medium-long term development plans and policies and regulations on developing mineral resources of the Ministry of Geology and Mineral Resources, and provides the basic information and suggestions for the Ministry of Geology and Mineral Resources in making important decisions over geological economy of China, and is in charge of studying and formulating geological standards and geolo-

gical labour quota.

The academy has a scientific and technical staff of specialists of different disciplines, of which 74 are senior research fellows and associate senior research fellows, and 233 are assistant research fellows and others.

CAGMRE has completed 222 research subjects (projects) since its founding, of which 49 have been awarded prizes by the national or the Ministry of Geology and Mineral Resources.

In recent years, CAGMRE has conducted gradually wider scientific and technical cooperation and academic exchanges internationally, in the fields of geology and mineral resources economy as well as those of geological machineries and instruments designing.

前蘇聯客人參觀該院機電所研製的土星-881全液壓多功能鑽機

Former USSR experts were interested in Saturn-881 full hydraulic multifunctional drilling machine developed by the Academy



該院機電所的同志與蒙古技術人員一起操作該院研製的淘金機

Visiting engineers on delegation of MEI are operating panning machine with engineers of Mongolia



中國地質科學院礦床地質研究所

中國地質科學院礦床地質研究所隸屬於地質礦產部，成立於1956年，是全國礦產地質研究中心。全所共有職工300餘人，其中高級地質專家100餘人。設有電子探針、電子顯微鏡、穆譜、紅外光譜、穩定同位素、流體包裹體、成岩成礦實驗室及微機工作站。主要研究成礦理論、礦產形成條件、找礦標志、礦產預測和有關的新技術新方法及其在礦床勘查中的應用，開展金屬礦床、非金屬礦床、區域成礦規律、礦物、岩石、地球化學、地球物理、遙感地質、數學地質、湖泊地質、流體包裹體等數十個學科的研究工作。主辦《中國地質科學院礦床地質研究所刊》、《礦床地質》、《岩石礦物學雜誌》和《國外礦床地質》四種刊物。該所承擔培養碩士和博士研究生等高級地質科技人才的任務。



電子探針 Electron probe microanalysis

Institute of Mineral Deposits of Chinese Academy of Geological Sciences

The Institute of Mineral Deposits, founded in 1956, now is the national geological research center of mineral resources and

forming conditions, ore-hunting indicators, ore prognosis and related new techniques and methods as well as their applications in mineral exploration. It currently conducts research work on tens of geological branches, such as metallic and nonmetallic mineral deposits, geochemistry, petrology, geophysics, regional minerogenic regularities, remote-sensing geology, geomathematics, mineral physics, ore petrology, experimental petrology and mineralogy, stable isotopes, oceanogeology, lake geology and fluid inclusions. It publishes the periodicals of *Bulletin of Institute of Mineral Deposits*, *Mineral Deposits*, *Acta Petrologica et Mineralogica*, and *Oversea Mineral Deposits*.

The institute has achieved hundreds of research outcomes, of which 14 items were awarded National Science Conference Prizes, 3 items acquired National Natural Science Awards, 1 item gained State Invention Award, 3 items obtained National S & T Progress Awards, and 87 items won S & T progress awards given by the Ministry of Geology and Mineral Resources. The institute has developed extensive academic exchanges and cooperative researches with geological institutions and geologists from scores of foreign countries. In addition, it undertakes the task of bringing up postgraduate students for MS and DS degrees.



電子顯微鏡 Electron microscope

該所在對中國某些特有礦產(如鎢、錫、鉬、銻、金、金鋼石、粘土等)的勘查研究及礦物超純超微加工方面取得了新進展。

該所取得了幾百項研究成果，其中14項獲全國科學大會獎，3項獲國家自然科學獎，1項獲國家發明獎，3項獲國家科技進步獎，87項獲地礦部科技進步獎。該所和美國、獨聯體、日本等幾十個國家的地學機構開展了學術交往和合作研究。

subordinate to the Ministry of Geology and Mineral Resources. The Institute has more than three hundred staff members, including over one hundred senior geologists. Equipped with lots of modern facilities such as electron microprobe, electron microscope, Mossbauer analyzer, stable isotopic dating device, fluid inclusion thermometer, it focuses on the study of minerogenic theories, ore-

地質礦產部地球物理地球化學勘查研究所

地質礦產部地球物理地球化學勘查研究所建于1957年，直屬地質礦產部領導，從事勘查地球物理和勘查地球化學新方法、新技術、新理論的研究與開發。它的研究領域包括：地殼及岩石圈深部調查；油氣、地熱等能源勘查；金屬及非金屬礦產勘查；水文、工程地質勘查；地震地質調查；農業及環境地球化學調查；地下文物考古勘查；計算機應用；各種常量、微量、超微量元素的分析測試；岩礦物理性質的測定；物探、化探、分析及其他有關測試儀器的研製等。

該所現有職工650人，各類專業技術人員占職工總數的70%。它有應用地球化學專業碩士學位授予權，現已招收培養碩士研究生40餘人。

該所主要研究成果有：斜磁化理論，激發極化法，航空電磁法，礦區化探及區域化探方法技術，尋找隱伏礦的綜合物化探方法技術，國家標準物質，物化探軟件開發，瞬變電磁系統，電波透視，聲波透視，氣體測量等。

該所還在國內外承擔重大勘查項目，在峰峰、開灤等煤礦的水害治理，匈牙利鋁土礦勘查，香港地基岩溶勘查中，效果顯著，技壓群芳。在秦山核電站，上海過江隧道，南京地鐵基礎勘查及上海、包頭等地地震烈度小區劃方面都取得了令人矚目的成果。

極淺海底重力測量

Very shallow sea-bottom gravity survey



地礦部物化探軟件開發中心、地礦部化探樣品分析質量監控站、地礦部淺震方法技術中心均設在該所。中國地質學會勘查地球物理和勘查地球化學兩個專業委員會掛靠在該所。該所又是面向全國的物探化探科技情報中心。

Institute of Geophysical and Geochemical Exploration (IGGE), Ministry of Geology and Mineral Resources

The Institute of Geophysical and Geochemical Exploration (IGGE), founded in 1957, is directly under the leadership of the Ministry of Geology and Mineral Resources. It is engaged in study and development of new methods, new techniques as well as new theories in the field of Exploration Geophysics and Exploration Geo-

chemistry. Domains of research: Investigation of the Earth's crust and lithosphere; Exploration of energy resources such as oil and gas, geothermal fields, etc; Metallic and nonmetallic mineral exploration; Hydrogeological and geological engineering investigation; Seismic geological survey; Agricultural and environmental geochemical survey; Archeological investigation; Application of computers; Analysis of various major, trace and ultramicroelements; Determination of rock and mineral physical properties; Study and development of geophysical, geochemical and analytical instruments and other related test instruments.

IGGE is equipped with strong technological contingents of more than six hundred and fifty technical personals. It has the authorization to confer Master's degree in Geochemistry, up to now, more than forty postgraduates have been enrolled and trained.



航空物探測量

Aerial geophysical survey

IGGE also undertakes major exploration projects at home and abroad. Remarkable results are obtained in controlling floods in Fengfeng and Kailuan coal mines, Bauxite exploration in Hungary, and projects concerning Karst Foundation Investigation in Hongkong, Qinshan Nuclear Power Station, Cross-River Tunnel in Shanghai, Nanjing Subway and project of Seismic Intensity Microzonation in Shanghai and Baotou.



科研大樓
Research building

地質礦產部石油地質研究所

地質礦產部石油地質研究所建于1981年,現有職工120人,其中科技人員占85%。該所是面向全國的綜合性石油與天然氣地質科學研究機構,其中心任務是:研究中國油氣資源評價、戰略總體部署與規劃;總結和探討具有中國特色的石油與天然氣地質理論;承擔並組織實施國家和地礦部的重點科技攻關項目及油氣地質區域評價課題研究;及時為領導部門提供決策建議與實施方案。

該所組織並完成了國家重點科技攻關項目“中國煤成氣形成賦存條件及資源評價研究”,首次提出了“含煤—含氣(油)盆地”的新概念,總結了煤成氣成藏模式,應用碳同位素分析方法編制了 $\delta^{13}\text{C}_1-\delta^{13}\text{C}_2$ 天然氣類型圖,估算了七大含煤含氣(油)盆地煤成氣資源量。該成果獲國家科技進步一等獎和地礦部科技成果一等獎。主持並完成了“天然氣(含煤成氣)資源評價研究”,它以“盆·熱·煙”為主綫,系統地總結了中國天然氣地質特征和天然氣資源前景。該成果獲國家科技進步三等獎和地礦部科技成果一等獎。組織並參與完成了《中國中新生代盆地石油天然氣資源預測(陸地部分)》,對全國油氣資源進行了首輪定量的計算;完成了中國南方海相碳酸鹽岩油氣資源量預測評價、中國

油氣資源評價系統及評價油氣資源的對數正態模擬系統等課題研究,初步建立了適合中國地質特征的油氣地質評價勘探決策系統及資源評價專家系統。編制了《中國含油氣盆地遠景評價圖(1:400萬)》及其說明書《中國油氣資源分析與遠景評價》。

該所下設七個研究室。它們是:區域評價與規劃研究室—主要為油氣勘探、戰略評價決策與規劃部署提供可靠的信息和技術諮詢服務,開展油氣資源勘探開發戰略研究;天然氣地質研究室—研究中國主要沉積盆地的區域地質與天然氣富集成藏特征,開展盆地成因、分類與典型盆地的動態模擬研究,對國內主要沉積盆地進行對比和評價,探索天然氣賦存與富集規律,對全國主要含氣(油)盆地的天然氣資源量進行計算,提出勘探部署意見;油氣藏地質研究室—研究油氣藏形成的地質條件,研究油氣藏的儲量計算方法和早期滾動開發方案;油氣資源評價研究室—進行全國海相、陸相盆地的油氣資源評價研究,為戰略選區與勘探決策提供科學依據;國內外油氣地質情報研究室—研究國內外油氣地質理論的新成果,編譯世界油氣地質勘探與研究文獻資料和動態信息,介紹適合中國實際的油氣勘探方法與經驗;油氣勘探數據庫室—負責建設為油氣勘探

評價決策服務的數據庫;科技成果編輯室—定期編輯出版《石油與天然氣地質文集》、《油氣地質研究成果選編》及全國油氣資源勘探史料的總結匯輯。

Institute of Petroleum Geology, Ministry of Geology and Mineral Resources

The Institute of Petroleum Geology, Ministry of Geology and Mineral Resources (MGMR), founded in 1981, is a comprehensive petroleum geological research institution. It has a total staff of 120, and 85% of them are scientific personnel. The main tasks of the Institute are doing researches on evaluation of oil and gas resources in China and drawing up the overall strategic deployment and planning, summing up and probing into the petroleum geological theory with distinctive Chinese features, undertaking and organizing the major scientific and technical key projects and regional petroleum geological evaluations, and timely offering suggestions for the nation and the Ministry of Geology and Mineral Resources to make strategic decisions.

Major research achievements have been obtained. The institute accomplished the state key project “Occurrence and Generating Conditions and Resource Assessment of Humic Gas in China”. It first put forward the concept of “coal-and gas- (oil-) bearing basin” and summed up the pool-forming model of the humic gas. The research achievement has won the first national S & T progress prize and the first S & T achievement prize awarded by MGMR. The China’s Seventh Five-year Plan project “Research on Natural Gas (Including Humic Gas) Resource Assessment”, guided by the idea of “basin-thermodynamics-hydrocarbon”, has systematically summarized the geological characteristics and resource perspective of natural gas in China. This research achievement has won the third national S & T progress