

# Directory of Geoscience Organizations of the World

2003

**Geological Survey of Japan**  
National Institute of Advanced Industrial Science and Technology



# Preface

This directory contains information on about 450 organizations from 164 countries and areas as well as 14 international organizations. International organizations are listed at the end of this directory. We, as the ICOGS (International Consortium of Geological Surveys) Secretariat for Asia and the Pacific region, hope that this directory, which is based on the information obtained through our international activities, will also assist your international activities.

International Geoscience Cooperation Office  
**Geological Survey of Japan**

This edition still remains incomplete for many countries.

We would like to continue efforts to revise this directory.

The latest one is available via our web site:

<http://www.gsj.jp/Intl/Dir/index.html>

If you have any suggestions, comments, and related informations on this directory, please contact to:

International Geoscience Cooperation Office,  
Geological Survey of Japan,  
National Institute of Advanced Industrial Science and Technology (AIST)  
AIST Tsukuba Central 7, Tsukuba 305-8567, Japan  
Phone:+81-29-861-3635; Fax:+81-29-856-4989; E-mail:igco@gsj.jp



## Afghanistan

Department of Geology and Mineral Survey  
Ministry of Mines and Industries  
Darulaman, Kabul  
Phone: +93-25848

## Albania

Geological Survey of Albania  
Rruga e Kavajes, Nr.153, Tirana  
Phone: +355-42-22578/25580 Fax: +355-42-29441  
Email: mimi@adanet.com.al  
Web: members.albaniaonline.net/ags/

## Algeria

Ministry of Energy and Mining (MEM)  
(Ministère de l'Énergie et des Mines)  
80 Av., Ghermoul. Algiers  
Phone: +213-21-652222 Fax: +213-21-651904  
Email: info@mem-algeria.org  
Web: www.mem-algeria.org

Office National de la Recherche Géologique et Minière  
(ORGM)  
B.P. 102, Boumerdes 35000  
Phone: +213-24-818525 Fax: +213-24-818379  
Email: orgm@wissal.dz Web: www.rogm.com.dz/

Direction Générale des Mines  
127 Boulevard Krim Belkacem, Alger 16 000  
Phone: +213-21-741272 Fax: +213-21-746141

Division du Service Géologique de l'Algerie  
B.P. 102, Boumerdes 35000  
Phone: +213-24-819681 Fax: +213-24-817606

## Angola

Direccao de Servicos de Geologia  
Av. Ho Chi Min, Predio Geominas, C.P. 1260-C, Luanda  
Phone: +244-2-323024/324989  
Fax: +244-2-321655/324989

## Argentina

Servicio Geológico Minero Argentino (SEGEMAR)  
Secretaria de Energía y Minería  
Av. Julio A. Roca 651, Piso 10, 1322, Capital Federal  
Phone: +54-11-4754-4070 Fax: +54-11-4754-4070  
Web: www.segemar.gov.ar/

Museo Argentino de Ciencias Naturales B. Rivadavia  
Instituto Nacional de Investigación de las Ciencias Naturales  
Av. Angel Gallardo 470, 1405, Buenos Aires

## Armenia

Institute of Geological Sciences  
24a, Marshal Baghramian Avenue, Yerevan 375019  
Phone: +374-2-524426  
Email: georisk@sci.am

National Survey for Seismic Protection  
375 054, Yerevan, Davidashen, IV Massive, NSSP RA  
Phone: +374-2-286494/282811 Fax: +374-2-151108  
Email: office@nssp.r.am Web: wwwnssp.r.am/

Institute of Geophysics and Engineering Seismology  
Armenian Academy of Sciences  
Ul. Leningradyan 9, Leinakan

## Australia

Geoscience Australia  
G.P.O.Box 378, Canberra City, ACT 2601  
Phone: +61-2-6249-9111 Fax: +61-2-6249-9999  
Web: www.agso.gov.au/

CSIRO Energy Technology  
PO Box 136, North Ryde NSW 1670  
Phone: +61-2-9490-8666 Fax: +61-2-9490-8909  
Web: www.det.csiro.au/

CSIRO Exploration & Mining  
Private Bag PO, Wembley WA 6014  
Phone: +61-8-9333-6200 Fax: +61-8-9387-8642  
Web: www.dem.csiro.au/

CSIRO Land and Water  
Private Bag No.2, Glen Osmond SA 5064  
Phone: +61-8-8303-8400 Fax: +61-8-8303-8590  
Email: enquiries@adl.clw.csiro.au  
Web: www.clw.csiro.au/

CSIRO Minerals  
Box 312, Clayton South VIC 3169  
Phone: +61-3-9545-8500 Fax: +61-3-9562-8919  
Web: www.minerals.csiro.au/

CSIRO Petroleum Resources  
PO Box 3000, Glen Waverley VIC 3150  
Phone: +61-3-9259-6800 Fax: +61-3-9259-6900  
Web: www.dpr.csiro.au/

Seismology Research Centre  
2 Park Drive, Bundoora, Victoria 3083  
Phone: +61-3-9455-2011 Fax: +61-3-9455-1940  
Email: info@seis.com.au Web: www.seis.com.au/

## Austria

Geological Survey of Austria (GBA)

(Geologische Bundesanstalt)

Rasumofskygasse 23 , P.O.B. 127, A-1031 Vienna

Phone: +43-1-712-56-74-0 Fax: +43-1-712-56-74-56

Email: [webmaster@geolba.ac.at](mailto:webmaster@geolba.ac.at)

Web: [www.geolba.ac.at/](http://www.geolba.ac.at/)

## Azerbaijan

Institute of Geology

Azerbaijan National Academy of Sciences

29A H. Javid av. , Baku 370143

Phone: +994-12-975284 Fax: +994-12-975285

Email: [gja@azeurotel.com](mailto:gja@azeurotel.com) Web: [www.gja.baku-az.com](http://www.gja.baku-az.com)

Ministry of Ecology and Natural Resources

50 Moscow Ave., 370033 Baku

Phone: +994-12-974173 Fax: +994-12-975907

Email: [gja@azeurotel.com](mailto:gja@azeurotel.com)

## Bahamas

Lands & Surveys Department

P.O. Box N-592, Nassau

## Bangladesh

Geological Survey of Bangladesh

153 Pioneer Road, Segunbagicha, Dhaka 1000

Phone: +880-2-8312599 Fax: +880-2-9339309

Email: [gsb@dhaka.agni.com](mailto:gsb@dhaka.agni.com)

## Belarus

Byelorussian Academy of Sciences

Tipogratskaya St. 15, 22061, Minsk

## Belgium

Belgian Geological Survey

Royal Belgian Institute of Natural Sciences

Jennerstraat 13, B-1000, Bruxelles

Phone: +32-2-627-0350 Fax: +32-2-647-7359

Email: [bgd.sgb@pophost.eunet.be](mailto:bgd.sgb@pophost.eunet.be)

Web: [www.naturalsciences.be/](http://www.naturalsciences.be/)

Belgian Nuclear Research Centre

Boeretang 200, B-2400 Mol

Phone: +32-14-33-2111 Fax: +32-14-31-5021

Email: [webmaster@sckcen.be](mailto:webmaster@sckcen.be), [anne.verledens@sckcen.be](mailto:anne.verledens@sckcen.be)

Web: [www.sckcen.be/](http://www.sckcen.be/)

The Belgian Agency for Radioactive Waste and Enriched Fissile Materials (ONDRAF/NIRAS)

Avenue des Arts 14, 1210 Brussels

Phone: +32-2-212-1011 Fax: +32-2-218-5165

Email: [e.biesemans@nirond.be](mailto:e.biesemans@nirond.be) Web: [www.nirond.be/](http://www.nirond.be/)

## Benin

Office Beninois des Recherches Géologiques et Minières (OBRGM)

B.P. 249, Cotonou

Phone: +229-310309 Fax: +229-314120

## Bhutan

Department of Geology and Mines

Ministry of Trade and Industry

P.O. Box 173, Thimphu

Phone: +975-2-323096/322879/323349

Fax: +975-2-323013

Email: [gsbmti@druknet.net.bt](mailto:gsbmti@druknet.net.bt)

## Bolivia

National Geology and Mining Survey (SERGEOMIN)  
(Servicio Nacional de Geología y Minería)

Federico Zuazo No. 1673, esq. Reyes Ortiz, La Paz

Phone: +591-2-326278/363765 Fax: +591-2-391725

Email: [sergeomi@caoba.entelnet.bo](mailto:sergeomi@caoba.entelnet.bo)

## Bosnia-Herzegovina

Geological Survey of Bosnia & Herzegovina

Ustanicka 11, BIH-71210 Ilidza-Sarajevo

Phone: +387-33-621-567 Fax: +387-33-621-567

Email: [zgeolbih@bih.net.ba](mailto:zgeolbih@bih.net.ba)

## Botswana

Geological Survey of Botswana

Private Bag 14 , Lobatse

Phone: +267-330327 Fax: +267-332013

Email: [geosurv@global.bw](mailto:geosurv@global.bw)

Web: [www.gov.bw/government/contacts.htm](http://www.gov.bw/government/contacts.htm)

## Brazil

Brazilian Geological Survey (CPRM)

(Serviço Geológico do Brasil)

Av. Pasteur, 404, Urca, 22292-240, Rio de Janeiro

Phone: +55-21-295-5337 Fax: +55-21-542-3647

Email: [cprm@cprm.gov.br](mailto:cprm@cprm.gov.br) Web: [www.cprm.gov.br/](http://www.cprm.gov.br/)

## Brunei Darussalam

Survey Department  
 Ministry of Development  
 Bandar Seri Begawan BB3510  
 Phone: +673-2-382171 Fax: +673-2-382900  
 Email: survey@brunet.bn

## Bulgaria

Geological Institute "Acad. Strashimir Dimitrov"  
 Bulgarian Academy of Sciences  
 Bl. 24 Acad. G. Bonchev Street, 1113 Sofia  
 Phone: +359-2-723563 Fax: +359-2-724638  
 Email: geolinst@geology.acad.bg  
 Web: www.geology.bas.bg/

Institute of Oceanology  
 Bulgarian Academy of Sciences  
 P.O. Box 152, Varna 9000  
 Phone: +359-52-370484 Fax: +359-52-370483  
 Email: office@io-bas.bg

Geophysical Institute  
 Bulgarian Academy of Sciences  
 Bl. 3, Acad. G. Bonchev Street, 1113 Sofia  
 Phone: +359-2-700128 Fax: +359-2-9713005  
 Email: office@geophys.bas.bg

Directorate of Geology and Protection of Subsurface  
 Ministry of Environment and Waters  
 22 Princess Marie-Louise Blvd., Sofia 1000  
 Phone: +359-2-9406548 Fax: +359-2-9805561

## Burkina Faso

Bureau des Mines et de la Géologie du Burkina  
 (BU.MI.GE.B)  
 B.P. 601, Ouagadougou  
 Phone: +226-364802/364890 Fax: +226-364888  
 Email: bumigeb@cenatrin.bf

## Burundi

Directorate General of Geology and Mines  
 Ministry of Energy and Mines  
 P.O. Box 745, Bujumbura  
 Phone: +257-22-2278 Fax: +257-22-9624

## Cambodia

General Department of Mineral Resources  
 Ministry of Industry, Mines and Energy  
 45, Preah Norodom Blvd., Phnom Penh  
 Phone: +855-12-996517/23-210811  
 Fax: +855-23-362989/428263  
 Email: dgm@camnet.com.kh

## Cameroon

Institute for Geological and Mining Research  
 B.P. 4110, Yaounde  
 Phone: +237-210316  
 Web: www.camnet.cm/investir/minmee/

## Canada

Minerals and Regional Geoscience Branch  
 Geological Survey of Canada  
 601 Booth Street, 2nd Floor, Ottawa, Ontario K1A 0E8  
 Phone: +1-613-995-4092 Fax: +1-613-996-6575  
 Web: www.nrcan.gc.ca/gsc/

Sedimentary and Marine Geoscience Branch  
 Geological Survey of Canada  
 601 Booth Street, 2nd Floor, Ottawa, Ontario K1A 0E8  
 Phone: +1-613-995-2340 Fax: +1-613-996-6575  
 Web: www.nrcan.gc.ca/gsc/

Geological Survey of Canada, Pacific Division-Sidney  
 9860 West Saanich Road, Sidney, B.C. V8L 4B2  
 Phone: +1-250-363-6500 Fax: +1-250-363-6565  
 Email: info-sidney@gsc.nrcan.gc.ca  
 Web: www.nrcan.gc.ca/gsc/, www.pgc.nrcan.gc.ca/

Geological Survey of Canada, Pacific Division-Vancouver  
 101-605 Robson Street, Vancouver, B.C. V6B 5J3  
 Phone: +1-604-666-0529 Fax: +1-604-666-1124  
 Email: info-vancouver@gsc.nrcan.gc.ca  
 Web: www.nrcan.gc.ca/gsc/

Geological Survey of Canada, Atlantic Division  
 1 Challenger Drive, P.O. Box 1006, Dartmouth, N. S. B2Y  
 4A2  
 Phone: +1-902-426-3225 Fax: +1-902-426-1466  
 Email: info-dartmouth@gsc.nrcan.gc.ca  
 Web: www.nrcan.gc.ca/gsc/, agcwww.bio.ns.ca/

Geological Survey of Canada, Calgary Division  
 3303-33rd Street N.W., Calgary, Alberta T2L 2A7  
 Phone: +1-403-292-7000 Fax: +1-403-292-5377  
 Email: info-calgary@gsc.nrcan.gc.ca  
 Web: www.nrcan.gc.ca/gsc/

Geological Survey of Canada, Québec Division  
 GSC-Québec, 880, chemin Sainte-Foy, Suite 840, Québec,  
 Québec G1S 2L2  
 Phone: +1-418-654-2604 Fax: +1-418-654-2615  
 Email: info-stefoy@nrcan.gc.ca  
 Web: www.nrcan.gc.ca/gsc/, www.cgqc.nrcan.gc.ca/

Mapping Services Branch  
 Geomatics Canada  
 615 Booth Street, 7th Floor, Ottawa, Ontario K1A 0E9  
 Phone: +1-613-947-0793 Fax: +1-613-995-2000

Geodetic Survey Division  
Geomatics Canada  
615 Booth Street, 4th Floor, Ottawa, Ontario K1A 0E9  
Phone: +1-613-992-4282 Fax: +1-613-947-3602  
Web: [www.geod.nrcan.gc.ca/](http://www.geod.nrcan.gc.ca/)

Canada Centre for Remote Sensing  
Geomatics Canada  
588 Booth Street, 3rd Floor, Ottawa, Ontario K1A 0Y7  
Phone: +1-613-947-1222 Fax: +1-613-947-1382  
Web: [www.ccrs.nrcan.gc.ca/](http://www.ccrs.nrcan.gc.ca/)

Legal Surveys Division and International Boundary  
Commission  
Geomatics Canada  
615 Booth Street, 5th Floor, Ottawa, Ontario K1A 0E9  
Phone: +1-613-995-4341 Fax: +1-613-992-1122  
Web: [www.lsd.nrcan.gc.ca/](http://www.lsd.nrcan.gc.ca/)

Polar Continental Shelf Project  
Earth Sciences Sector  
615 Booth Street, 4th Floor, Ottawa, Ontario K1A 0E9  
Phone: +1-613-947-1601 Fax: +1-613-947-1611  
Email: [pcsp@NRCan.gc.ca](mailto:pcsp@NRCan.gc.ca) Web: [polar.nrcan.gc.ca/](http://polar.nrcan.gc.ca/)

Earth Sciences Sector  
Natural Resources Canada  
580 Booth Street, Room 2064, Ottawa, Ontario K1A 0E4  
Web: [www.nrcan.gc.ca/ess/](http://www.nrcan.gc.ca/ess/)

GeoConnections Secretariat  
Earth Sciences Sector  
615 Booth Street, 6th Floor, Ottawa, Ontario K1A 0E9  
Phone: +1-613-992-8609 Fax: +1-613-947-2410

Climate Change Impacts and Adaptation Directorate  
Earth Sciences Sector  
601 Booth Street, 1st Floor, Ottawa, Ontario K1A 0E8  
Phone: +1-613-947-4880 Fax: +1-613-992-0190

International Division  
Earth Sciences Sector  
615 Booth Street, 5th Floor, Ottawa, Ontario K1A 0E9  
Phone: +1-613-996-0441 Fax: +1-613-995-8737

Earth Sciences Information Centre  
Earth Sciences Sector  
601 Booth Street, 3rd Floor, Ottawa, Ontario K1A 0E8  
Phone: +1-613-996-3919 Fax: +1-613-943-8742

Canadian Space Agency  
6767 route de l'Aéroport, Saint-Hubert, Quebec J3Y 8Y9  
Phone: +1-514-926-4800 Fax: +1-514-926-4352  
Web: [www.space.gc.ca/](http://www.space.gc.ca/)

## Central African Republic

Mines Informations  
B.P. 26, Bangui

## Chad

Direction des Mines et de la Géologie  
Ministère des Travaux Publics, des Mines et du Pétrole  
Djamena

## Chile

Servicio Nacional de Geología y Minería (SERNAGEOMIN)  
Av. Santa María 0104, Santiago, Casilla 10465  
Phone: +56-2-7375050 Fax: +56-2-7771906  
Email: [sernageo@huelen.reuna.cl](mailto:sernageo@huelen.reuna.cl)  
Web: [www.sernageomin.cl/](http://www.sernageomin.cl/)

Empresa Nacional de Minería (ENAMI)  
Maclver 459, Santiago  
Phone: +56-2-6375278 Fax: +56-2-6375452  
Email: [webmaster@enami.cl](mailto:webmaster@enami.cl) Web: [www.enami.cl/](http://www.enami.cl/)

Corporación Nacional del Cobre (CODELCO)  
Huérfanos 1270, Santiago  
Phone: +56-2-690-3935 Fax: +56-2-690-3059  
Email: [comunica@stgo.codelco.cl](mailto:comunica@stgo.codelco.cl)  
Web: [www.codelcochile.com/](http://www.codelcochile.com/)

## China

China Geological Survey  
37 Guanyingyuan Xiqu, Xicheng District, Beijing 100035  
Phone: +86-10-66127001 Fax: +86-10-66127003  
Email: [Jshijin@mail.cgs.gov.cn](mailto:Jshijin@mail.cgs.gov.cn)  
Web: [www.cgs.gov.cn](http://www.cgs.gov.cn)

Development and Research Center  
China Geological Survey  
31 Xueyuan Road, Haidian District, Beijing 100083  
Phone: +86-10-82329116 Fax: +86-10-82329008

Aero Geophysical Survey and Remote Sensing Center  
China Geological Survey  
31 Xueyuan Road, Haidian District, Beijing 100083  
Phone: +86-10-82329070 Fax: +86-10-82329131

Tianjin Institute of Geology and Mineral Resources  
China Geological Survey  
4 Bahao Road, Dazhigu, Tianjin 300170  
Phone: +86-22-24023487 Fax: +86-22-24023488

Shenyang Institute of Geology and Mineral Resources  
China Geological Survey  
25 Beilingdajie, Shenyang 110032, Liaoning Province  
Phone: +86-24-86843110 Fax: +86-24-86843124



Xian Institute of Geology and Mineral Resources  
China Geological Survey  
166 Youyidonglu, Xian 710054, Shaanxi Province  
Phone: +86-29-7811017 Fax: +86-29-7802701

Nanjing Institute of Geology and Mineral Resources  
China Geological Survey  
534 Zhongshandonglu, Nanjing 210016, Jiangsu Province  
Phone: +86-25-4600446 Fax: +86-25-4600446

Yichang Institute of Geology and Mineral Resources  
China Geological Survey  
37 Gangyaolu, Yichang 443003, Hubei Province  
Phone: +86-717-6331941 Fax: +86-717-6331867

Chengdu Institute of Geology and Mineral Resources  
China Geological Survey  
82 Beisanduan, Yihuanlu, Chengdu 610082, Sichuan Province  
Phone: +86-28-3371706 Fax: +86-28-3332657

Guangzhou Marine Geological Survey  
China Geological Survey  
477 Huanshidouglu Guangzhou 510075, Guangdong Province  
Phone: +86-20-87755461 Fax: +86-20-87765102

Qingdao Institute of Marine Geology  
China Geological Survey  
62 Fuzhoulu, Qingdao 266071, Shandong Province  
Phone: +86-532-5725313 Fax: +86-532-5720553

Chinese Academy of Geological Sciences (CAGS)  
China Geological Survey  
26 Baiwanzhuang Road, Beijing 100037  
Phone: +86-10-68335853 Fax: +86-10-68310894  
Web: [www.cags.cn.net/](http://www.cags.cn.net/)

Institute of Geology, CAGS  
China Geological Survey  
26 Baiwanzhuang Road, Beijing 100037  
Phone: +86-10-68311293 Fax: +86-10-68311293

Institute of Mineral Resources, CAGS  
China Geological Survey  
26 Baiwanzhuang Road, Beijing 100037  
Phone: +86-10-68327292 Fax: +86-10-68327263

Institute of Geomechanics, CAGS  
China Geological Survey  
11 Minzuxueyuannanlu, Haidian District, Beijing 100081  
Phone: +86-10-68412303 Fax: +86-10-68422326

Institute of Hydrogeology and Environmental Geology,  
CAGS  
China Geological Survey  
2 Zhongshandonglu, Zhengding, Shijiazhuang 050061, Hebei  
Province  
Phone: +86-311-8021122 Fax: +86-311-8021225

Institute of Hydrogeology and Engineering Geology  
Techniques, CAGS  
China Geological Survey  
7 Qiyizhounglu, Baoding 071051, Hebei Province  
Phone: +86-312-3136195 Fax: +86-312-3137471

Institute of Geophysical and Geochemical Exploration,  
CAGS  
China Geological Survey  
84 Jinguangdao, Langfang 06500, Hebei Province  
Phone: +86-316-2212704 Fax: +86-316-2014156

Institute of Karst Geology, CAGS  
China Geological Survey  
50 Qixinglu, Guilin 541004, Guangxi  
Phone: +86-773-5812943 Fax: +86-773-5813708

Institute of Rock and Mineral Analysis, CAGS  
China Geological Survey  
26 Baiwanzhuang Road, Beijing 100037  
Phone: +86-10-68326114 Fax: +86-10-68326114

Chengdu Institute of Multipurpose Utilization of Mineral  
Resources, CAGS  
China Geological Survey  
5 Nansanduan, Erhuanlu, Chengdu 610041, Sichuan Province  
Phone: +86-28-5551383 Fax: +86-28-5594582

Zhengzhou Institute of Multipurpose Utilization of Mineral  
Resources, CAGS  
China Geological Survey  
328 Longhaixilunan, Zhengzhou 450006, Henan Province  
Phone: +86-371-8614942 Fax: +86-371-8614942

Institute of Exploration Technique, CAGS  
China Geological Survey  
77 Jinguangdao, Langfang 06500, Hebei Province  
Phone: +86-316-2096605 Fax: +86-316-2096506

Institute of Exploration Technology, CAGS  
China Geological Survey  
1 Beierduan, Yihuanlu, Chengdu 610081, Sichuan Province  
Phone: +86-28-3172893 Fax: +86-28-3179249

Institute of Exploration Engineering, CAGS  
China Geological Survey  
29 Xueyuan Road, Haidian District, Beijing 100083  
Phone: +86-10-82321831 Fax: +86-10-82321882

China Institute of Geo-Environmental Monitoring  
China Geological Survey  
20 Dahuisi, Haidian District, Beijing 100081  
Phone: +86-10-62173424 Fax: +86-10-62173426

National Geological Museum of China  
China Geological Survey  
15 Yangrouhutong, Sixi, Beijing 100031  
Phone: +86-10-66176387 Fax: +86-10-66168870

National Geological Library  
China Geological Survey  
29 Xueyuan Road, Haidian District, Beijing 100083  
Phone: +86-10-82327587 Fax: +86-10-82319243  
Email: ngl@mail.ngl.org.cn Web: www.ngl.org.cn/

Chinese Academy of Sciences (CAS)  
52 Sanlihe Road, Beijing 100864  
Phone: +86-10-68597289 Fax: +86-10-68512458  
Email: bulletin@mail.casipm.ac.cn  
Web: www.cas.ac.cn/

Institute of Geology and Geophysics, South Area (IGGCAS)  
Chinese Academy of Sciences  
P.O.BOX 9825, Beijing 100029  
Phone: +86-10-62008001 Fax: +86-10-62010846  
Web: www.igcas.ac.cn/

Institute of Geology and Geophysics, North Area (IGGCAS)  
Chinese Academy of Sciences  
P.O.BOX 9701, Beijing 100101  
Phone: +86-10-64889084 Fax: +86-10-64871995  
Web: www.igcas.ac.cn/

Institute of Remote Sensing Applications (IRSA)  
Chinese Academy of Sciences  
P.O.BOX 9718, Beijing 100101  
Phone: +86-10-64876313  
Fax: +86-10-64876313/64889786  
Email: proj@irsa.irsa.ac.cn Web: www.irsa.ac.cn/

Guangzhou Institute of Geochemistry (GIGCAS)  
Chinese Academy of Sciences  
Baishigang, Wushan, Tianhe district, Guangzhou 510640  
Phone: +86-20-85290702 Fax: +86-20-85290130  
Email: zhaojs@gig.ac.cn, gisof@gig.ac.cn  
Web: www.gig.ac.cn/

Institute of Geographic Sciences and Natural Resources  
Research (IGSNRR)  
Chinese Academy of Sciences  
40-3 South Beijing Street, Urumqi, Xinjiang, 830011  
Phone: +86-991-3835453 Fax: +86-991-3835459  
Email: bsdr@ms.xjb.ac.cn  
Web: www.xjb.ac.cn/ bsdr/yjs.htm, www.egi.ac.cn/

Institute of Geographic Sciences and Natural Resources  
Research (IGSNRR)  
Chinese Academy of Sciences  
Bldg.917, Datun Road, Anwai, Beijing 100101  
Phone: +86-10-64854841/64889276  
Fax: +86-10-64851844  
Email: ign@ignsnrr.ac.cn Web: www.gig.ac.cn/

Nanjing Institute of Geology and Palaeontology  
Chinese Academy of Sciences  
No.39, East Beijing Road, Nanjing 210008  
Phone: +86-25-3282113 Fax: +86-25-3357026  
Email: nbg@nigpas.ac.cn Web: www.nigpas.ac.cn/

Cold and Arid Regions Environmental and Engineering  
Research Institute (CAREERI)  
Chinese Academy of Sciences  
260 West Donggang Road, Lanzhou, Gansu Province 730000  
Phone: +86-931-8875129 Fax: +86-931-8273894  
Email: Careeri@ns.lzb.ac.cn Web: www.casnw.net/

Institute of Oceanology  
Chinese Academy of Sciences  
7 Nan-Hai Road, Qingdao 266071  
Phone: +86-532-2898611 Fax: +86-532-2898612  
Email: iocas@ms.qdio.ac.cn Web: www.qdio.ac.cn/

Institute of Soil Science  
Chinese Academy of Sciences  
P.O.Box 821, Nanjing  
Phone: +86-25-3610462 Fax: +86-25-3353590  
Email: iss@issas.ac.cn Web: www.issas.ac.cn/

Institute of Rock and Solid Mechanics (IRSM)  
Chinese Academy of Sciences  
Xiaohongshan, Wuchang, Wuhan, Hubei Province 430071  
Phone: +86-27-87869251 Fax: +86-27-87863386  
Email: irsm@dell.whrsm.ac.cn  
Web: www.issas.ac.cn/

Lanzhou Institute of Geology  
Chinese Academy of Sciences  
324 West Donggang Road, Lanzhou, Gansu Province 730000  
Phone: +86-931-4960909 Fax: +86-931-8278667  
Email: xbwang@ns.lzb.ac.cn Web: 159.226137.150/

China Seismological Bureau  
China Seismological Bureau  
No.63 Fuxing Ave. Beijing 100036  
Phone: +86-10-68589224 Fax: +86-10-6810995  
Email: heqincn@yahoo.com.cn Web: www.icce.ac.cn/

Center for Seismic Data and Information  
China Seismological Bureau  
56 Sanlihe Road, Xicheng district, Beijing 100045  
Phone: +86-10-68530255 Fax: +86-10-68530226  
Email: wangyi@sbd.csdi.ac.cn  
Web: www.eq-csi.ac.cn/

Institute of Geology  
China Seismological Bureau  
P.O.Box 9803, Dewai Qijiahuozi, Beijing 100029  
Phone: +86-10-62009001 Fax: +86-10-62009003  
Email: web@eq-igl.ac.cn Web: www.eq-igl.ac.cn/

Institute of Seismology  
China Seismological Bureau  
Wuhan 430071

**Institute of Geophysics**

China Seismological Bureau  
5, Minzuxueyuan Nanlu, Haidian District, Beijing 100081  
Phone: +86-10-68417744 Fax: +86-10-68415372  
Web: www.eq-igp.ac.cn/

**Institute of Engineering Mechanics**

China Seismological Bureau  
No.9, Xuefu Road, Harbin 150080  
Phone: +86-451-6652663 Fax: +86-451-6664755  
Email: iemnet@public.hr.hl.cn  
Web: www.iem.net.cn/

**State Oceanic Administration (SOA)**

1 Fuxingmenwai Avenue, Beijing 100860  
Phone: +86-10-68019791 Fax: +86-10-68030799

**Geological Bureau**

Ministry of Metallurgical Industry  
46 dong SiXi Dajie, Beijing 100711  
Phone: +86-10-65265083 Fax: +86-10-65133814  
Email: zlg@public.gb.com.cn

**General Bureau of Geology and Exploration**

China National Nonferrous Metals Industry Corporation  
12B Fuxing Road, Beijing 100814  
Phone: +86-10-68514593/4477 Fax: +86-10-68515367

**Beijing General Research Institute of Nonferrous Metals**

China National Nonferrous Metals Industry Corporation  
2 Xinwai Street, Western District, Beijing 100088  
Phone: +86-10-62014488

**Institute of Petroleum Exploration and Development**

Ministry of Petroleum Industry  
Beijing

**China National Offshore Oil Corporation (CNOOC)**

P.O.Box 4705, No.6, dongzhimenwai Xiaojie, Beijing 100027  
Phone: +86-10-84521010/84521999  
Fax: +86-10-84521044  
Email: webmaster@cnooc.com.cn  
Web: www.cnooc.com.cn/english/default.asp

**China Coal Research Institute (CCRI)**

No. 5, Qingniangou Road, Hepingli, Beijing 100013  
Email: webmaster@ccri.com.cn  
Web: www.ccri.com.cn/e\_index.asp

**Xi'an Branch**

China Coal Research Institute  
52 Yabta Road (N), Xi'an 710054  
Phone: +86-29-7857567 Fax: +86-29-7850504  
Web: www.xianccri.com.cn/English/English.htm

**China Coal Information Institute (CCII)**

State Administration of Coal Industry  
35, Shaoyaoju, Chaoyang District, Beijing 100029  
Phone: +86-10-84612550 Fax: +86-10-84612550  
Email: ccii@coalinfo.net.cn  
Web: www.coalinfo.net.cn

**Institute of Uranium Geology**

Ministry of Nuclear Industry  
Beijing

**State Bureau of Surveying and Mapping (SBSM)**

9 Sanlihe Road, Baiwanzhuang, Beijing 100037  
Phone: +86-10-68346614/68339095  
Fax: +86-10-68311564/68339095  
Email: fanbsm@public.bta.net.cn  
Web: www.sbsm.gov.cn/

**Colombia****Instituto de Investigaciones en Geociencias, Minería y Química (INGEOMINAS)**

Diagonal 53, No.34-53, Apartado Aereo 4865, Bogota, D.C.  
Phone: +57-1-222-1811 Fax: +57-1-222-1811  
Email: cliente@ingeomin.gov.co  
Web: www.ingeominas.gov.co/

**Congo, Democratic Republic of the**

Centre de Recherches Géologiques et Minières (C.R.G.M.)  
B.P. 898, 44, Avenue des Huileries, Kinshasa/Gombe

**Congo, Republic of the**

Direction des Mines et de la Géologie  
B. P. 2124, Brazzaville  
Phone: +242-831281 Fax: +242-836243

**Cook Islands**

Department of Survey and Physical Planning  
Raratonga

**Costa Rica**

Dirección de Geología y Minas  
Ministerio del Ambiente y Energía  
Apartado 10104, 1000 San Jose  
Phone: +506-233-2360 Fax: +506-233-2334

**Cote d'Ivoire**

Direction de la Géologie  
Ministère des Ressources Minières et Pétrolières  
B.P. V 28, Abidjan  
Phone: +225-444320 Fax: +225-215320

Direction des Mines et de la Géologie  
Ministère des Mines et de l'Énergie  
B.P. V 28, Abidjan  
Phone: +225-444528 Fax: +225-448462

## Croatia

Institute of Geology - Croatian Geological Society  
Sachsova 2, P.O. Box 268, HR-10000 Zagreb  
Phone: +385-1-6160786 Fax: +385-1-6144718  
Email: geologia-croatica@zg.tel.hr  
Web: www.geologia-croatica.hr/

## Cuba

Instituto de Geología  
Academia de Ciencias de Cuba  
Avenue Van-Troi No. 17203, Rancho Boyeros-Apartado 10,  
Havana

Instituto de Geología y Paleontología  
Via Blanca y Linea del Ferrocarril, San Miguel del Padron, La  
Havana  
Email: igpcnig@ceniai.inf.cu

Instituto de Geofísica y Astronomía  
Calle 212, No. 2906, Loranela, La Havana 11600

National Center for Seismological Researches (CENAIIS)  
(Centro Nacional de Investigaciones Sismológicas)  
Calle 17 No. 61, Vista Alegre, Santiago de Cuba 90400  
Phone: +53-226-642521 Fax: +53-226-641623  
Email: lasersat@ceniai.inf.cu, cenais@cenais.ciges.inf.cu

Museo Nacional Historia Natural  
Obispo 61, Plaza de Armas, La Havana 10100  
Email: museo@mnhnc.inf.cu

Biblioteca, Centro de Investigaciones del Petróleo  
(CEINPET)  
Washington #169, Cerro, La Havana

## Cyprus

Cyprus Geological Survey Department  
Ministry of Agriculture, Natural Resources and Environment  
1415, Lefkosia (Nicosia)  
Phone: +357-22-309213/309211 Fax: +357-22-316873  
Email: gsd@cytanet.com.cy  
Web: www.pio.gov.cy/cyprus/economy/agricult/geoserv.htm

## Czech

Czech Geological Survey (CGS)  
(České Geologické Služby)  
Klarov 3, 118 21, Praha 1  
Phone: +420-2-57089411 Fax: +420-2-57320438  
Email: sekretar@cgu.cz Web: www.cgu.cz/

Geophysical Institute  
Academy of Sciences of the Czech Republic  
Bocni II/1401, 141 31 Praha 4  
Phone: +420-2-67103111 Fax: +420-2-72761549  
Email: gfu@ig.cas.cz Web: www.ig.cas.cz/

Institute of Geology  
Academy of Sciences of the Czech Republic  
Rozvojová 135, 16502 Praha 6  
Phone: +420-233087111/233087209  
Fax: +420-220922670  
Email: inst@gli.cas.cz Web: www.gli.cas.cz/

## Denmark

Geological Survey of Denmark and Greenland (GEUS)  
Ministry of the Environment  
Øster Voldgate 10, DK-1350 Copenhagen K  
Phone: +45-3814-2000 Fax: +45-3814-2050  
Email: geus@geus.dk Web: www.geus.dk/

## Djibouti

Institut Supérieur d'Études et de Recherches Scientifiques et  
Technique (ISERST)  
B.P. 486, Djibouti  
Phone: +253-352795 Fax: +253-354812

## Dominican Republic

Directorate General of Mines  
(Dirección General de Minería)  
Secretaría de Estado de Industria y Comercio, Edificio  
Gubernamental  
10mo. Piso, Av. México Esq., Leopoldo Navarro, Santo  
Domingo  
Phone: +1-809-685-8191/687-7557  
Fax: +1-809-686-8326  
Email: direc.minera@codetel.net.do  
Web: www.geocities.com/mineriard

## Ecuador

Dirección Nacional de Geología (DINAGE)  
Baquedano 222 y Reina Victoria, Edificio Araucaria, Quito  
Phone: +593-2-2540279/283/285 Fax: +593-2-2540379  
Email: dinage@andinanet.net

Dirección Nacional de Minería (DINAMI)  
Baquedano 222 y Reina Victoria, Edificio Araucaria, Quito  
Phone: +593-2-222624 Fax: +593-2-554110

## Egypt

Egyptian Geological Survey and Mining Authority  
(EGSMA)

3 Salah Salem Road, Abbasiya, Post Bag Ataba No.11511,  
Cairo

Phone: +20-2-6828013/6855660 Fax: +20-2-4820128

Email: [egsma@idsc.gov.eg](mailto:egsma@idsc.gov.eg) Web: [www.egsma.gov.eg/](http://www.egsma.gov.eg/)

## El Salvador

Centro de Investigaciones Geotecnicas

Ministerio de Obras Públicas

Calle Antigua La Chacra, Contiguo a Talleres de DUA, San  
Salvador, Apartado Postal No. 109

## Estonia

Geological Survey of Estonia (GSE)

(Eesti Geoloogiakeskus)

Kadaka tee 80/82, EE12618 Tallinn

Phone: +372-6720094 Fax: +372-6720091

Email: [egk@egk.ee](mailto:egk@egk.ee) Web: [www.egk.ee/](http://www.egk.ee/)

## Ethiopia

Ethiopian Institute of Geological Surveys

P.O. Box 2303, Addis Ababa

Phone: +251-1-159172/159926 Fax: +251-1-513877

Email: [geologyinstitute@telecom.net.et](mailto:geologyinstitute@telecom.net.et)

## Fiji Islands

Mineral Resources Department

Ministry of Energy and Mineral Resources

Private Mail Bag, GPO, Suva

Phone: +679-3381611 Fax: +679-3370039

Email: [director@mrd.gov.fj](mailto:director@mrd.gov.fj) Web: [www.mrd.gov.fj/](http://www.mrd.gov.fj/)

## Finland

Geological Survey of Finland (GTK)

(Geologian Tutkimuskeskus)

P.O.Box 96, FIN-02151 Espoo

Phone: +358-2055011 Fax: +358-2055012

Email: [info@gsf.fi](mailto:info@gsf.fi) Web: [www.gsf.fi/](http://www.gsf.fi/)

## France

Bureau de Recherches Géologiques et Minières (BRGM)

3, Avenue Claude Gullemin, B.P. 6009, F-45060, Orléans  
Cedex 2

Phone: +33-2-38643434 Fax: +33-2-38643518

Web: [www.brgm.fr/](http://www.brgm.fr/)

French Research Institute for Exploitation of the Sea  
(IFREMER)

(Institut Français de Recherche pour l'Exploitation de la  
Mer)

Technopole de Brest-Iroise, BP 70 29280 PLOUZANE

Phone: +33-2-98224040 Fax: +33-2-98224545

Web: [www.ifremer.fr/](http://www.ifremer.fr/)

## Gabon

Direction des Mines et de la Géologie

Ministère des Mines, de l'Énergie et du Pétrole

BP 576, Libreville

## Georgia

Geological Institute

Georgian Academy of Sciences

1/9 M. Aleksidze str. , 380093, Tbilisi

Phone: +995-32-293941

Email: [ROOT@geology.acnet.ge](mailto:ROOT@geology.acnet.ge)

State Department of Geology of Georgia

24 Mosiashvilli Street, Tbilisi 380062

Phone: +995-32-226914 Fax: +995-32-225613

## Germany

Federal Institute of Geoscience and Natural Resources  
(BGR)

(Bundesanstalt für Geowissenschaften und Rohstoffe)

Stilleweg 2, D-30655 Hannover

Phone: +49-511-643-0 Fax: +49-511-643-2304

Email: [info@bgr.de](mailto:info@bgr.de) Web: [www.bgr.de/](http://www.bgr.de/)

Alfred Wegener Institute for Polar and Marine Research

Postfach 120161, D-27515 Bremerhaven

Phone: +49-471-4831-0 Fax: +49-471-4831-1149

Web: [www.awi-bremerhaven.de/](http://www.awi-bremerhaven.de/)

GeoForschungsZentrum Potsdam (GFZ)

Telegrafenberg A17, D-14473 Potsdam

Phone: +49-331-288-0 Fax: +49-331-288-1044

Web: [www.gfz-potsdam.de/](http://www.gfz-potsdam.de/)

GEOMAR Research Center for Marine Geosciences

Wischhofstrasse 1-3, D-24148 Kiel

Phone: +49-431-600-0

Web: [www.geomar.de/](http://www.geomar.de/)

## Ghana

Ghana Geological Survey

No.6, 7th Avenue, Accra, P.O. Box M 80

Phone: +233-21-228079/228093

Fax: +233-21-224676/228063

Email: [ghgeosur@ghana.com](mailto:ghgeosur@ghana.com)

## Greece

Institute of Geology and Mineral Exploration (IGME)  
70 Messoghion St., Athens 11527  
Phone: +30-1-7798412 Fax: +30-1-7752211  
Web: [www.igme.gr/](http://www.igme.gr/)

## Guatemala

Instituto Geográfico Nacional, "Ingeniero Alfredo Obiols Gómez"  
Avenida las Américas 5-76, Zona 13, Guatemala City  
Phone: +502-3322611 Fax: +502-3313548  
Email: [ign@ign.gob.gt](mailto:ign@ign.gob.gt)

## Guinea

Direction Generale des Mines et Géologie  
Conakry  
Phone: +224-462011 Fax: +224-7752211

## Guinea-Bissau

Direccao Geral, Geología e Minas  
Comissariado dos Recursos Naturais  
Bissau

## Guyana

Guyana Geology and Mines Commission (GGMC)  
P.O.Box 1028, Upper Brickdam, Georgetown  
Phone: +592-22-52862/52865/53047/74737  
Fax: +592-22-53047/52274  
Email: [ggmc@guyana.net.gy](mailto:ggmc@guyana.net.gy), [ggmc@sdpn.org.gy](mailto:ggmc@sdpn.org.gy)  
Web: [www.sdpn.org.gy/ggmc/](http://www.sdpn.org.gy/ggmc/)

## Haiti

Bureau of Mines and Energy  
Village Willy Lamothe Delmas 19, P.O.Box 2174,  
Port-au-Prince

## Honduras

Dirección General de Minas e Hidrocarburos  
Apartado Postal 981, Tegucigalpa  
Phone: +504-32-6721/8613/6595 Fax: +504-32-7848

## Hungary

Hungarian Geological Survey (MGSz)  
(Magyar Geológiai Szolgálat)  
H-1143 Budapest, Stefánia út 14  
Phone: +36-1-267-1421 Fax: +36-1-251-1759  
Email: [mgsz@mgsz.hu](mailto:mgsz@mgsz.hu) Web: [www.mgsz.hu/](http://www.mgsz.hu/)

Geological Institute of Hungary (MAFI)  
Hungarian Geological Survey  
H-1143 Budapest, Stefánia út 14  
Phone: +36-1-251-0999/0489/0689  
Fax: +36-1-251-0703  
Email: [geo@mafi.hu](mailto:geo@mafi.hu) Web: [www.mafi.hu/](http://www.mafi.hu/)

Eötvös Loránd Geophysical Institute of Hungary (ELGI)  
Hungarian Geological Survey  
H-1145 Kolumbusz U. 17/23, Budapest  
Phone: +36-1-252-4999 Fax: +36-1-363-7256  
Email: [elgi@elgi.hu](mailto:elgi@elgi.hu) Web: [www.elgi.hu/](http://www.elgi.hu/)

## Iceland

National Energy Authority  
(Orkustofnun)  
Grensásvegur 9, IS-108 Reykjavík  
Phone: +354-5696000 Fax: +354-5688896  
Email: [os@os.is](mailto:os@os.is) Web: [www.os.is/](http://www.os.is/)

Nordic Volcanological Institute  
Grensasvegur 50, IS-108 Reykjavik  
Phone: +354-5254492 Fax: +354-5629767  
Web: [www.norvol.hi.is/](http://www.norvol.hi.is/)

Icelandic Museum of Natural History  
Hlemmur 3-5, 105 Reykjavik  
Phone: +354 129822

## India

Geological Survey of India  
27 Jawaharlal Nehru Road, Kolkata 700016  
Phone: +91-33-2496941 Fax: +91-33-2496956  
Email: [gsi\\_chq@vsnl.com](mailto:gsi_chq@vsnl.com) Web: [www.gsi.gov.in/](http://www.gsi.gov.in/)

Geological Survey of India, Central Region  
GSI Complex, Seminary Hills, Nagpur-440 006  
Phone: +91-712-510226  
Fax: +91-712-510918/511671/510036  
Email: [gsigdi@nagpur.dot.net.in](mailto:gsigdi@nagpur.dot.net.in), [gsipgrs@nagpur.vsnl.net.in](mailto:gsipgrs@nagpur.vsnl.net.in)

Geological Survey of India, Eastern Region  
GSI Complex, DK-6, Sector-II, Bidhannagar, Kolkata 700091  
Phone: +91-33-3210817/3219379 Fax: +91-33-3219241  
Email: [gsi.ero@vsnl.com](mailto:gsi.ero@vsnl.com), [gsicergd@vsnl.com](mailto:gsicergd@vsnl.com)

Geological Survey of India, North Eastern Region  
Zorem Building, Nongrim Hills, Shilling-793003  
Phone: +91-364-232406/232407/230429  
Fax: +91-364-230233  
Email: [gdnrgsi@sancharnet.in](mailto:gdnrgsi@sancharnet.in), [nergeodata@dte.vsnl.net.in](mailto:nergeodata@dte.vsnl.net.in)

Geological Survey of India, Northern Region  
GSI Complex, Sector E'Alligunj, Lucknow 226024  
Phone: +91-522-321510 Fax: +91-522-376407  
Email: [geodatnr@sancharnet.in](mailto:geodatnr@sancharnet.in), [geodatnr@hotmail.com](mailto:geodatnr@hotmail.com)

Geological Survey of India, Southern Region  
 GSI Complex, Bandalguda, Hyderabad-500068  
 Phone: +91-40-4220949~4220958  
 Fax: +91-40-4220958  
 Email: gsisrhyd@hd2.dot.net.in, geodatasr@hotmail.com

Geological Survey of India, Western Region  
 GSI Complex, 15-16 Jhalana Dungri, Jaipur-302004  
 Fax: +91-141-511582  
 Email: geodata@sancharnet.in, geodatawr@hotmail.com

Department of Mines  
 Ministry of Coal and Mines  
 A-wing, Shastri Bhawan, 3rd Floor, New Delhi 110001  
 Phone: +91-11-3385173/3382614/3389211  
 Fax: +91-11-3386402  
 Web: www.mines.nic.in/, www.nic.in/, www.coal.nic.in/

## Indonesia

Directorate General of Geology and Mineral Resources  
 (DJGSM)  
 (Direktorat Jenderal Geologi dan Sumber daya Mineral)  
 Ministry of Energy and Mineral Resources  
 Jl. Prof. Dr. Supomo, SH No.10, Jakarta 12870  
 Phone: +62-21-8295608 Fax: +62-21-8297642  
 Email: gsm@djgsm.esdm.go.id  
 Web: www.djgsm.esdm.go.id/

Geological Research and Development Centre (GRDC)  
 Jl. Diponegoro 57, Bandung 40122  
 Phone: +62-22-7272601/7203205  
 Fax: +62-22-720-2669  
 Email: grdc@melsa.net.id

Directorate of Environmental Geology (DTLGKP)  
 (Direktorat Tata Lingkungan Geologi dan Kawasan  
 Pertambangan)  
 Jl. Diponegoro No.57, Bandung 40122  
 Phone: +62-22-7274676/7274677/7274705  
 Fax: +62-22-7206167  
 Email: info@dgtl.dpe.go.id  
 Web: www.dgtl.dpe.go.id/

Directorate of Volcanology and Geological Hazard  
 Mitigation (VSI)  
 (Direktorat Vulkanologi dan Mitigasi Bencana Geologi)  
 Jl. Diponegoro No.57, Bandung 40122  
 Phone: +62-22-7272606/7271402/7214612  
 Fax: +62-22-7202761  
 Email: VSI@VSI.dpe.go.id Web: www.vsi.dpe.go.id/

Marine Geological Institute (MGI)  
 Jl. Dr. Junjuran 236, P.O. Box 1301 Bandung 40174  
 Phone: +62-22-632151 Fax: +62-22-6017887  
 Email: mgidpe@ibm.net

Directorate of Mineral Resources (DMR)  
 Jl. Soekarno-Hatta No. 444, Bandung 4025  
 Phone: +62-22-5202698 Fax: +62-22-5205809  
 Email: dmr@dmr.dpe.go.id

Bureau of Meteorology and Geophysics (BMG)  
 Jl. Angkasa I No. 2 Kemayoran, Jakarta Pusat 10720  
 Phone: +62-21-4246321/6546311 Fax: +62-21-4246703  
 Email: humas@bmg.go.id Web: www.bmg.go.id/

National Institute of Aeronautics and Space (LAPAN)  
 (Lembaga Penerbangan dan antariksa Nasional)  
 Jl. Pemuda Persil No.1, Jakarta Timur  
 Phone: +62-21-4892802 Fax: +62-21-4894815  
 Email: bangfogan@mail.lapan.go.id  
 Web: www.lapan.go.id/

Center for Research and Development for Oil and Gas  
 Technology (LEMIGAS)  
 Jl. Cileduk Raya, Cipulir Kebayoran Lama, Jakarta Selatan  
 12230  
 Phone: +62-21-7394422/7394591 Fax: +62-21-7246150  
 Email: nurastuti@lemigas.esdm.go.id  
 Web: www.lemigas.esdm.go.id/

The National Coordination Agency for Survey and Mapping  
 (BAKOSURTANAL)  
 Jl. Raya Jakarta - Bogor KM. 46, Cibinong 16911, West Java  
 Phone: +62-21-8753155/8753407 Fax: +62-21-8753366  
 Email: info@bakosurtanal.go.id  
 Web: www.bakosurtanal.go.id

Research and Development Centre for Geotechnology  
 Indonesian Institute of Sciences (LIPI)  
 Kompleks LIPI, Jalan Sangkuriang, Bandung 40135  
 Phone: +62-22-2507772 Fax: +62-22-2504593  
 Web: www.lipi.go.id/

## Iran

Geological Survey of Iran  
 P.O. Box 13185-1494, Azadi Sq. Meraj Blvd., Tehran  
 Phone: +98-21-9171 Fax: +98-21-6009338  
 Email: info@gsi-iran.org, director@gsi-iran.org  
 Web: www.gsi-iran.org/, www.mmm.gov.ir/,  
 www.iranenergy.org.ir/

## Iraq

State Establishment of Geological Survey and Mining  
 P.O. Box 986, Alwiya, Baghdad  
 Phone: +964-1-719 5123 Fax: +964-1-718 5450

## Ireland

Geological Survey of Ireland (GSI)  
Beggars Bush, Haddington Road, Dublin 4  
Phone: +353-1-678-2000 Fax: +353-1-678-2549  
Email: peadarmcardle@gsi.ie Web: www.gsi.ie/

## Israel

Geological Survey of Israel  
Ministry of National Infrastructures  
30 Malkhe Israel St., Jerusalem 95501  
Phone: +972-2-5314220/5314211  
Fax: +972-2-5380688/5378721

## Italy

Geological Survey of Italy  
(Servizio Geologico d'Italia)  
Via Curtatone 3, 00185 Rome  
Phone: +39-6-44441 Fax: +39-6-4465159  
Email: normanno.accaardi@dstn.it  
Web: www.dstn.it/sgn/

International Institute of Geothermal Reserch (IIRG)  
(Istituto Internazionale per le Ricerche Geotermiche)  
Piazza Solferino, 2, 56126, Pisa  
Phone: +39-50-41503/46069/41327 Fax: +39-50-47055

Instituto Nazionale di Geofisica e Vulcanologia  
Via di Vigna Murata 605, 00143 Rome  
Phone: +39-6-518601 Fax: +39-6-5041181  
Web: www.ingrm.it/

## Jamaica

Mines and Geology Division (MGD)  
Ministry of Mining and Energy  
Hope Gardens, P.O. Box 141, Kingston 6  
Phone: +1-876-927-1936/40  
Fax: +1-876-927-0350/977-1204

Office of Disaster Preparedness and Emergency  
Management (ODPEM)  
12 Camp Road, Kingston 4, 938-2550  
Phone: +1-876-928-5111~4/938-2550  
Fax: +1-876-928-5503

## Japan

Geological Survey of Japan (GSJ)  
Central 7, National Institute of Advanced Industrial Science  
and Technology  
1-1-1, Higashi, Tsukuba, Ibaraki 305-8567  
Phone: +81-29-861-3635 Fax: +81-29-856-4989  
Email: igco@gsj.jp Web: www.gsj.jp/

Geographical Survey Institute (GSI)  
Ministry of Land, Infrastructure and Transport  
1 Kitasato, Tsukuba, Ibaraki 305-0811  
Phone: +81-29-864-1111  
Web: www.gsi.go.jp/

Hydrographic and Oceanographic Department  
Japan Coast Guard  
5-3-1 Tsukiji, Chuo-ku, Tokyo 104-0045  
Phone: +81-3-3541-3685 Fax: +81-3-3248-1250  
Email: ico@cue.jhd.go.jp  
Web: www1.kaiho.mlit.go.jp/

Japan Marine Science and Technology Center (JAMSTEC)  
2-15 Natsushima, Yokosuka, Kanagawa 237-0061  
Phone: +81-468-66-3811 Fax: +81-468-66-5541  
Web: www.jamstec.go.jp/

Japan National Oil Corporation (JNOC)  
Fukukuseimei Bldg., 2-2-2 Uchisaiwai-cho, Chiyoda-ku, Tokyo  
100-8511  
Phone: +81-3-3597-7522 Fax: +81-3-3591-0172  
Web: www.jnoc.go.jp/

Metal Mining Agency of Japan (MMAJ)  
Tokiwa Bldg., 1-24-14 Toranomon, Minato-ku, Tokyo  
105-0001  
Phone: +81-3-5512-1563 Fax: +81-3-3503-0570  
Web: www.mmaj.go.jp/

Meteorological Research Institute  
1-1 Nagamine, Tsukuba, Ibaraki 305-0052  
Phone: +81-29-853-8535 Fax: +81-29-853-8545  
Email: info@mri-jma.go.jp Web: www.mri-jma.go.jp/

National Institute for Environmental Studies  
16-2 Onogawa, Tsukuba, Ibaraki 305-0053  
Phone: +81-29-850-2308 Fax: +81-29-851-2854  
Web: www.nies.go.jp/

National Research Institute for Earth Science and Disaster  
Prevention  
3-1 Tennodai, Tsukuba, Ibaraki 305-0006  
Phone: +81-29-851-1611 Fax: +81-29-851-1622  
Web: www.bosai.go.jp/

National Space Development Agency of Japan (NASDA)  
2-1-1 Sengen, Tsukuba, Ibaraki 305-8505  
Phone: +81-29-868-5000 Fax: +81-29-868-5988  
Web: www.nasda.go.jp/

New Energy and Industrial Technology Development  
Organization (NEDO)  
Sun Shine 60 Bldg, 3-1-1 Higashi-Ikebukuro, Toshima-ku,  
Tokyo 170-6028  
Phone: +81-3-3987-9311/9452/9491/9466  
Fax: +81-3-3981-0742/3986-8197/3983-2871/3987-5103  
Web: www.nedo.go.jp/



Public Works Research Institute  
1-6 Minamihara, Tsukuba, Ibaraki 305-8516  
Phone: +81-29-879-6700  
Web: www.pwri.go.jp/

## Jordan

Natural Resources Authority (NRA)  
Bayadir Wadi Sir, 8th Roundabout, P.O. Box 7, Amman  
Phone: +962-6-5857600 Fax: +962-6-5811866  
Email: dirgen@nra.gov.jo Web: www.nra.gov.jo/

## Kazakhstan

Academy of Mineral Resources of the Republic of  
Kazakhstan  
Kunaev St., 105, Almaty 480091  
Phone: +7-3272-911350 Fax: +7-3272-918218

Institute of Seismology  
National Academy of Sciences  
Al-Farabi Prospect, 75, Almaty, 480032  
Phone: +7-3272-498015

VNIITSVEMET  
Promyshlennaja, 1, Ust-Kamenogorsk, 492014  
Phone: +7-3232-475710/491454

Complex Processing of Mineral Stuff National Centre  
Institute of Metallurgy and Enrichment  
Shevchenko St, 29/33, 480 100, Almaty  
Phone: +7-3272-618156/615781 Fax: +7-3272-614660

## Kenya

Mines and Geological Department  
Ministry of Environment and Natural Resources  
P.O. Box 30009, Nairobi  
Phone: +254-2-229261/541040 Fax: +254-2-216951

## Kiribati

Ministry of Natural Resources Development  
P.O. Box 64, Bairiki, Tarawa  
Phone: +686-21099 Fax: +686-21120

## Korea, Democratic People's Republic of

Institute of Geology  
State Academy of Sciences  
Kwahak-1 Dong, Unjong District, Pyongyang  
Fax: +850-2-3814580

## Korea, Republic of

Korea Institute of Geoscience and Mineral Resources  
(KIGAM)  
30 Gajeong-dong, Yuseong-gu, Daejeon 305-350  
Phone: +82-42-8683114 Fax: +82-42-8619720  
Web: www.kigam.re.kr/

Korea Ocean Research and Development Institute (KORDI)  
Ansan P.O.Box 29, Seoul 425-600  
Phone: +82-31-400-6000 Fax: +82-31-408-5820  
Web: www.kordi.re.kr/

## Kuwait

Kuwait Institute for Scientific Research  
P.O. Box 24885, 13109 Safat  
Phone: +965-4816237/4836100 Fax: +965-4830643

## Kyrgyz Republic

Kyrgyz Geological Survey  
State Agency on Geology and Mineral Resources  
2, Erkindik Ave., Bishkek 720739  
Phone: +996-312-664901/223834  
Fax: +996-312-660391  
Email: mail@geoagency.bishkek.gov.kg  
Web: www.kgs.bishkek.gov.kg/

Institute of Geology  
National Academy of Sciences  
30, Erkindik Ave., Bishkek 720481  
Phone: +996-312-264860 Fax: +996-312-243607  
Email: geol@sdnp.kyrnet.kg

Institute of Physics and Mechanics of Rocks  
948, Mederova Str., Bishkek 720035  
Phone: +996-3312-44 3495/3801  
Fax: +996-3312-24-3607/26-3765  
Email: ROOT@academ.bishkek.su

## Lao People's Democratic Republic

Department of Geology and Mines  
Ministry of Industry and Handicrafts  
Khounboulom Road, Vientiane  
Phone: +856-21-212081 Fax: +856-21-222539

## Latvia

State Geological Survey of Latvia  
Exporta iela 5, Riga LV-1010  
Phone: +371-7-320379 Fax: +371-7-333218  
Email: vgd@vgd.gov.lv  
Web: mapx.map.vgd.gov.lv/geo3/

## Lesotho

Geological Survey  
Department of Mines and Geology  
P.O. Box 750, Maseru 100

## Liberia

Liberian Geological Survey  
P. O. Box 9024, Monrovia

## Libya

Geological Research and Mining Department  
Industrial Research Center  
P.O. Box 3633, Tripoli  
Phone: +218-21-691512 Fax: +218-21-691510

## Lithuania

Geological Survey of Lithuania (LGT)  
(Lietuvos Geologijos Tarnyba)  
S.Konarskio 35, LT 2600 Vilnius  
Phone: +370-2-332889 Fax: +370-2-336156  
Email: lgt@lgt.lt Web: www.lgt.lt/

Institute of Geology  
T.Sevcenkos g. 13, 2600 Vilnius  
Phone: +370-2-235819 Fax: +370-2-236710  
Email: info@geologin.lt Web: www.geologin.lt/

## Luxembourg

Service Géologique du Luxembourg  
43, bd G.-D. Charlotte L-1331  
Phone: +352-444126 Fax: +352-458760  
Email: geologie@pch.etat.lu  
Web: www.etat.lu/PCH/index.html

## Macedonia

Geologiski Zavod  
Skopje, Fah. 28, S.F.R.

## Madagascar

Geological Department  
Ministry of Industry, Energy and Mines  
B.P. 322 Ampandrianomby, Antananarivo 101  
Phone: +261-2-403-51

## Malawi

Geological Survey Department  
Ministry of Natural Resources  
Box 27, Zomba  
Phone: +265-522166 Fax: +265-522716,

## Malaysia

Minerals and Geoscience Department  
20th Floors, Tabung Haji Building, Jalan Tun Razak, Kuala Lumpur  
Phone: +60-3-21611033 Fax: +60-3-21611036  
Email: jmgkll@jmg.gov.my Web: www.jmg.gov.my/

## Mali

Direction Nationale de la Géologie et des Mines (DNGM)  
BP 223, Bamako  
Phone: +223-221-5821 Fax: +223-221-7174  
Email: dngm@datatech.toolnet.org  
Web: www.datatech.toolnet.org/dngm/dngm.htm

## Malta

Environment Protection Directorate  
Malta Environment & Planning Authority  
P.O. Box 200 Valletta CMR 01  
Phone: +356-21-240976 Fax: +356-21-224846  
Email: enquiries@mepa.org.mt  
Web: www.environment.gov.mt/

## Marshall Islands

Marshall Islands Marine Resources Authority  
P. O. Box 860  
Phone: +692-625-8262 Fax: +692-625-5447  
Email: mimra@ntamar.com

## Mauritania

Ministère des Mines et de l'Industrie  
B.P.199, Nouakchott  
Phone: +222-53225 Fax: +222-53225

## Mexico

Consejo de Recursos Minerales (CRM)  
Blvd. Felipe angeles s/n, Carr. México-Pachuca Km 93.5,  
col. Venta Prieta, 42080, Pchuca, Hidalgo  
Phone: +52-771-7113501 Fax: +52-771-7113371  
Email: oci@coremisgm.gob.mx  
Web: www.coremisgm.gob.mx/

Fideicomiso de Fomento Minero (FIFOMI)  
Secretaria de Comercio y Fomento Industrial  
Puente de Tecamachalco No.26, Col. Lomas de Chapultepec,  
C.P. 11000  
Phone: +52-55-55403400 Fax: +52-55-55208196  
Web: www.fomentominero.gob.mx/

**Micronesia, Federated States of**

Department of Economic Affairs  
 P.O.Box PS-12, Palikir, Pohnpei, FM, 96941  
 Phone: +691-320-2646/5133 Fax: +691-320-5854  
 Email: fsmrd@mail.fm

**Moldova**

State Industrial Amalgamation on Geologic Exploration  
 "AgeoM"  
 156 Metropolitan Dosophtey Street, Kishinev 2004

**Mongolia**

Office of Geology  
 Mineral Resources Authority of Mongolia  
 State Property Building#5-Room310, Builders' Square 13,  
 Ulaanbaatar 211238  
 Phone: +976-11-322-940 Fax: +976-11-322-940  
 Email: chuluun@magicnet.mn Web: www.mram.mn/

Bureau of Geological Investigation  
 Geological Survey of Mongolia  
 P.O.Box 318, Tolgoid, Ulaanbaatar 37  
 Phone: +976-1-632895 Fax: +976-1-633497

Central Geological Laboratory  
 Songino Khairhan district, Trade Union street, Post Box 55,  
 Ulaanbaatar 211137  
 Phone: +976-11-632904/632914/632979/632969  
 Fax: +976-11-632944  
 Email: cengeolab@mongol.net  
 Web: www.cengeolab.com/

Institute of Geology and Mineral Resources  
 Mongolian Academy of Sciences  
 P.O. Box 118, Ulaanbaatar 210351  
 Phone: +976-1-457858 Fax: +976-1-453857

**Morocco**

Geological Survey of Morocco  
 (Direction de la Géologie)  
 Ministère de l'Energie et des Mines  
 B.P. 6208, Rabat - Instituts  
 Phone: +212-7-688700 Fax: +212-7-688713  
 Email: sadipui@mem.gov.ma

Bureau de Recherches et de Participations Minières  
 (BRPM)  
 Rue My El Hassane, Rabat  
 Phone: +212-7-705005 Fax: +212-7-709411

Office National de Recherches et d'Exploitations Pétrolières  
 (ONAREP)  
 Quartier Industriel, Charii El Majid, C.Y.M., Rabat  
 Phone: +212-7-281634 Fax: +212-7-281626

**Mozambique**

Direcção Nacional de Geologia  
 P.O. Box 217, Maputo  
 Phone: +258-1-420797 Fax: +258-1-429216  
 Email: geologia@zebra.uem.mz

**Myanmar**

Department of Geological Survey & Mineral Exploration  
 Ministry of Mines  
 Kanbe Road, Yangon  
 Phone: +95-1-52099 Fax: +95-1-577455

Department of Meteorology and Hydrology  
 PO 11061, Kava-aye, Yangon

**Namibia**

Geological Survey of Namibia  
 Ministry of Mines & Energy  
 P.O. Box 2168, 9000 Windhoek  
 Phone: +264-61-2085111 Fax: +264-61-249144  
 Email: dir\_gsn@mme.gov.na Web: www.gsn.gov.na/

**Nepal**

Department of Mines and Geology  
 Ministry of Industry  
 Lainchour, Kathmandu  
 Phone: +977-1-414740/411396 Fax: +977-1-414806  
 Email: dmg@most.gov.np

Royal Nepal Academy of Science & Technology  
 P.O. Box 3323, Khumaltar Lalitpur, Kathmandu  
 Phone: 977-1-547722 Fax: +977-1-547713  
 Email: ronast@mos.com.np

**Netherlands**

Netherlands Institute of Applied Geoscience TNO  
 P.O. Box 80015, 3508 TA Utrecht  
 Phone: +31-302564400 Fax: +31-302564405  
 Email: info@nitg.tno.nl Web: www.nitg.tno.nl/

International Institute for Geo-Information Science and  
 Earth Observation (ITC)  
 Hengelosestraat 99, P.O.Box 6, 7500 AA Enschede  
 Phone: +31-53-4874444 Fax: +31-53-4874400  
 Web: www.itc.nl/

## New Caledonia

Service des Mines et de l'Energie  
BP 465, 98 845 Noumea Cedex  
Phone: +687-273944 Fax: +687-272345  
Email: mines@territoire.nc

## New Zealand

Institute of Geological and Nuclear Sciences Ltd. (GNS)  
PO Box 30-368, Lower Hutt  
Phone: +64-4-5701444 Fax: +64-4-5704600  
Web: www.gns.cri.nz/

National Institute of Water and Atmospheric Research Ltd.  
(NIWA)  
Private Bag 99940, Auckland  
Phone: +64-9-3752090 Fax: +64-9-3752091  
Web: www.niwa.co.nz/

## Nicaragua

Ministerio del Ambiente y los Recursos Naturales  
(MARENA)  
Km 12 1/2 Carretera Norte, Frente a zona Franca, Apartado  
5123, Managua  
Phone: +505-2632615/2632831  
Fax: +505-2632615/2632831  
Email: sinia@sdnnic.org.ni Web: www.marena.gob.ni

## Niger

Bureau de Recherches Géologiques et Minières, Direction  
des Mines et de la Géologie  
Ministère des Mines et de l'Hydraulique  
B.P. 11458, Niamey

## Nigeria

Geological Survey Department of Nigeria  
Federal Ministry of Mines and Power  
P.M.B. 2007, Kaduna South, Kaduna State  
Phone: +234-62-232828

## Norway

Geological survey of Norway (NGU)  
(Norges geologiske undersøkelse)  
7491 Trondheim  
Phone: +47-73-904000 Fax: +47-73-921620  
Email: ngu@ngu.no Web: www.ngu.no/

Norwegian Petroleum Directorate  
Professor Olav Hanssens vei 10, Postboks 600, N-4003  
Stavanger  
Phone: +47-51876000 Fax: +47-51551571/51871935  
Email: postboks@npd.no Web: www.npd.no/

Norwegian Geotechnical Institute  
Sognsveien 72, P.O.Box 3930 Ullevaal Hageby, N-0806 Oslo  
Phone: +47-22023000 Fax: +47-22230448  
Email: ngi@ngi.no Web: www.ngi.no/

PETRAD-International Program for Petroleum  
Management and Administration  
c/o Norwegian Petroleum Directorate, P.O. Box 600, N-4003  
Stavanger  
Phone: +47-51876000 Fax: +47-51-876428  
Email: petrad@petrad.no Web: www.petrad.no/

## Oman

Ministry of Petroleum and Minerals  
P.O. Box 551, Muscat 113  
Phone: +968-603333

## Pakistan

Geological Survey of Pakistan (GSP)  
P.O. Box No. 15, Sariab Road, Quetta  
Phone: +92-81-9211032/9211045 Fax: +92-81-9211018  
Email: gsp@gsp.gov.pk, dg@gsp.sdnpk.undp.org  
Web: www.gsp.com.pk/,  
www.panasia.org.sg/tcdc/pakistan/geo\_survey\_qta/,  
www.mprn.gov.pk/

Geoscience Laboratory  
Geological Survey of Pakistan  
P.O. Box 1461, Shahzad Town, Islamabad  
Phone: +92-51-241328 9 Fax: +92-51-240428  
Email: geolab@sdnpk.undp.org

Hydrocarbon Development Institute of Pakistan  
230-Nazimuddin Road, F-7/4, P.O.Box 1308, Islamabad  
Phone: +92-51-920-3958/3588 Fax: +92-51-920-4902  
Email: hdip@apollo.net.pk, hdip@isb.compol.com  
Web: www.hdip.com.pk

## Panama

Dirección General de Recursos Minerales  
Ministerio de Comercio e Industria  
Apartado Postal 8515, Panama 5  
Phone: +507-36-1825/1823 Fax: +507-36-3173

## Papua New Guinea

Geological Survey of Papua New Guinea  
Department of Mining  
Private Mail Bag, Port Moresby  
Phone: +675-3212422 Fax: +675-3211360  
Email: cggspng@daltron.com.pg  
Web: www.mineral.gov.pg/, www.petroleum.gov.pg/

## Paraguay

Dirección de Recursos Minerales  
Ministerio de Obras Públicas y Comunicaciones  
Calle Alberdi y Oliva, Asuncion

## Peru

Instituto Geológico Minero y Metalúrgico (INGEMMET)  
Av. Canadá No. 1470, San Borja, Apartado 889, Lima, 41  
Phone: +51-1-2242965/2253128  
Fax: +51-1-2254540/2253063  
Email: informacion@ingemmet.gob.pe,  
postmaster@ingemmet.gob.pe  
Web: www.ingemmet.gob.pe/

## Philippines

Mines and Geosciences Bureau (MGB)  
Department of Environment and Natural Resources  
2/F J. Fernandez Bldg., MGB Comp. North Ave., Diliman,  
Quezon City 1100  
Phone: +63-2-928-8544/8819 Fax: +63-2-928-8544  
Email: mgbcentral@mines-denr.ph  
Web: www.mines-denr.ph/

National Mapping and Resource Information Authority  
(NAMRIA)

Department of Environment and Natural Resources  
NAMRIA Bldg., Lawton Ave., Fort Andres Bonifacio 1201,  
Makati City  
Phone: +63-2-810-4831~4844  
Fax: +63-2-810-5468/2891  
Web: www.psdn.org.ph/namria/

Philippine Institute of Volcanology and Seismology

Department of Science and Technology  
PHIVOLCS Bldg., C. P. Garcia Avenue, U. P. Campus,  
Diliman, Quezon City  
Phone: +63-2-426-1468~1479  
Fax: +63-2-926-3225  
Email: phivolcs@x5.phivolcs.dost.gov.ph  
Web: www.phivolcs.dost.gov.ph/

## Poland

Polish Geological Institute

(Państwowy Instytut Geologiczny)  
ul. Rakowiecka 4, 00-975 Warszawa  
Phone: +48-22-8495096/8495351 Fax: +48-22-8495342  
Web: www.pgi.waw.pl/

## Portugal

Instituto Geológico e Mineiro

R. Almirante Barroso, 38, 1049-025 Lisboa  
Phone: +351-21-3118700 Fax: +351-21-3537709  
Email: igmsede@igm.pt Web: www.igm.pt/

## Qatar

Department of Industrial Development  
Ministry of Energy and Industry  
P.O. Box 2599, Doha  
Phone: +974-832121 Fax: +974-832024

## Romania

Geological Institute of Romania  
(Institutul Geologic al României)  
Caransebes Street, RO-78 344 Bucharest  
Phone: +40-1-224-2091/2093/1530  
Fax: +40-1-224-0404  
Email: geol@igr.ro Web: www.igr.ro/

## Russia

All-Russian Research Institute for Hydrogeology and  
Engineering Geology (VSEGINGEO)  
142452, Zeleny-village, Noginsk district, Moscow region  
Phone: +7-095-521-2000 Fax: +7-095-913-5126  
Email: gvertany@sovam.com

Department of Geology, Geophysics, Geochemistry and  
Mining Sciences

Russian Academy of Sciences (RAS)  
6-25, 32a, Leninsky ave., Moscow 117993  
Phone: 7-095-938-5544 Fax: 7-095-938-1928  
Email: geodep@ipsun.ras.ru  
Web: www.ras.ru.RAS/oggggn.html

All-Russian Research Institute of Geological, Geophysical  
and Geochemical Systems (VNIIGeosistem)

Russian Academy of Sciences (RAS)  
8, Varshavskoye Highway, Moscow 113115  
Phone: +7-095-954-5350

All-Russian Research Institute of Mineral Resources (VIMS)  
Ministry of Natural Resources, Russian Academy of Sciences  
(RAS)

31, Staromonetny Lane, Moscow 109017  
Phone: +7-095-951-1907 Fax: +7-095-959-3447  
Email: vims@dataforce.net Web: www.rsoft.ru/vims/

Central Research Institute of Geological Prospecting for  
Base and Precious Metals (TSNIGRI)

Ministry of Natural Resources  
Varshavskoye sh., 129 B, 113545 Moscow  
Phone: +7-095-313-1818/315-0610  
Fax: +7-095-315-2874  
Email: tsnigri@pol.ru

All-Russian Research Institute for Geology and Mineral Resources of the World Ocean (VNIIOkeangeologia)  
Ministry of Natural Resources, Russian Academy of Sciences (RAS)  
1, Angliiskiy ave., St-Petersburg 190121  
Phone: +7-812-113-8379 Fax: +7-812-114-1470  
Email: VNIIO@g-ocean.spb.su Web: www.vniio.nw.ru/

All-Russian Research Institute of Exploration Geophysics (VNIIGeofizika)  
Ministry of Natural Resources, Russian Academy of Sciences (RAS)  
22 Pokrovka Str., Moscow 101000  
Phone: +7-095-925-4513 Fax: +7-095-956-3938

Logachev All-Russian Research Institute of Exploration Geophysics (VIRG-Rudgeofizika)  
Ministry of Natural Resources, Russian Academy of Sciences (RAS)  
20, Fayansovaya Street, St-Petersburg 193019  
Phone: +7-812-567-6803 Fax: +7-812-567-8741  
Email: root@virg.ru Web: www.virg.ru

Siberian Institute of Geology, Geophysics and Mineral Resources (SNIIGGIMS)  
Ministry of Natural Resources, Russian Academy of Sciences (RAS)  
67, Krasny Prospekt, Novosibirsk 630091  
Phone: +7-3832-21-3895 Fax: +7-3832-22-5740  
Email: pvb@sniiggims.nsk.ru

A.E. Fersman Mineralogical Museum  
Russian Academy of Sciences (RAS)  
18, Leninsky Prospekt, Bldg. 2, V-71 Moscow 117071  
Phone: +7-095-952-0067/954-3900  
Fax: +7-095-952-4850  
Email: mineral@fmm.ru Web: www.fmm.ru/

A.P. Karpinsky All-Russian Institute of Geological Research (VSEGEI)  
Russian Academy of Sciences (RAS)  
74, Srednii Prospekt, St-Petersburg 199026  
Phone: +7-812-213-4418 Fax: +7-812-213-5738  
Web: www.vsegei.ru/

All-Russian Research Institute of Economy and Exploration of Mineral Resources (VIEMS)  
Russian Academy of Sciences (RAS)  
38, 3-d Magistralnaya Street, Moscow 123853  
Phone: +7-095-259-6988

All-Russia Petroleum Research Exploration Institute (VNIGRI)  
Ministry of Natural Resources, Russian Academy of Sciences (RAS)  
39, Liteiny Prospekt, St-Petersburg 191104  
Phone: +7-812-273-4383/275-2305  
Fax: +7-812-275-5756  
Email: ins@vnigri.spb.su Web: www.vnigri.spb.ru/

Daghestan Scientific Centre, Institute of Geology (DRC)  
Russian Academy of Sciences (RAS)  
75, M. Yaragsky Str., 30 Makhachkala 357030  
Phone: +7-8722-62-9395 Fax: +7-8722-62-0363

Institute of Geosphere Dynamics (IDG)  
Russian Academy of Sciences (RAS)  
38, Leninsky Prospekt, Bild. 6, Moscow 117979  
Phone: +7-095-1376611/9397924 Fax: +7-095-1376511  
Email: dir@idg.chph.ras.ru Web: idg.chph.ras.ru/

Goelectromagnetic Research Institute  
Russian Academy of Sciences (RAS)  
142092 Troitsk, P.O.Box 30, Moscow Region  
Phone: +7-095-1376951 Fax: +7-095-1376951  
Email: V.Spichak@g23.relcom.ru

Geoinformation Research Centre (NGIC)  
Russian Academy of Sciences (RAS)  
19, Novy Arbat Street, G-19 Moscow 121019, P.O. Box 168  
Phone: +7-095-202-1149

Geophysical Centre (GC)  
Russian Academy of Sciences (RAS)  
3, Molodezhnaya Street, GSP-1 Moscow-296 117296  
Phone: +7-095-930-0546 Fax: +7-095-930-5509  
Email: tyupkin@wdbc.rssi.ru  
Web: www.wdbc.rssi.ru/

Institute of Complex Mining Exploration Problems (IPKON)  
Russian Academy of Sciences (RAS)  
4, Kryukovsky Alley, E-20 Moscow 111020  
Phone: +7-095-360-8960 Fax: +7-095-360-8960

Institute of Environmental Geoscience (IEG)  
Russian Academy of Sciences (RAS)  
13, Ulansky Per., Bldg. 2, Centre, Moscow 101000  
Phone: +7-095-923-3111 Fax: +7-095-923-1886  
Email: direct@geoenv.ru Web: www.geoenv.ru

Institute of Experimental Mineralogy (IEM)  
Russian Academy of Sciences (RAS)  
Chernogolovka, Institutskaya ulitsa, Moscow Region, 142432  
Phone: +7-096-524-6205 Fax: +7-096-524-6205  
Email: dima@iem.ac.ru Web: www.iem.ac.ru/

Institute of Geology and Exploitation of Combustible Resources (IGIRGI)  
Russian Academy of Sciences (RAS)  
50, Fersman Street, V-312 Moscow 117312  
Phone: +7-095-121-9155

## Institute of Geology (GIN)

Russian Academy of Sciences (RAS)  
7, Pyzhevsky Lane, G-17 Moscow 109017  
Phone: +7-095-230-8029/8039

Institute of Geology of Ore Deposits, Petrography,  
Mineralogy and Geochemistry (IGEM)

Russian Academy of Sciences (RAS)  
Staromonetny per 35, Moscow 119017  
Phone: +7-095-9517270 Fax: +7-095-2302179  
Email: web@igem.ru Web: www.igem.ru

## Institute of Lithosphere (ILS)

Russian Academy of Sciences (RAS)  
22, Staromonetny per., Moscow 109180  
Phone: +7-095-953-5588/959-0168  
Fax: +7-095-953-5590

## All-Russian Research Institute of Oil Geology (VNIGNI)

Russian Academy of Sciences (RAS)  
36, Entuziastov Highway, Moscow 105118  
Phone: +7-095-273-2651

Institute of Precambrian Geology and Geochronology  
(IGGD)

Russian Academy of Sciences (RAS)  
2, Makarov Embankment, V-34, St-Petersburg 199034  
Phone: +7-095-218-4701/4801

International Institute of Earthquake Prediction Theory and  
Mathematical Geophysics (MITPAN)

Russian Academy of Sciences (RAS)  
79, Varshavskoye Highway, Bldg. 2, Moscow 113556  
Phone: +7-095-110-7795 Fax: +7-095-310-7032  
Email: mitpan@mitp.ru Web: www.mitp.ru/

## Karelian Research Centre, Institute of Geology

Russian Academy of Sciences (RAS)  
11 Pushkinskaya str., Republic of Karelia, Petrozavodsk  
185610  
Phone: +7-8142-784316/786039 Fax: +7-8142-780602  
Web: geoserv.karelia.ru/

## Kola Science Centre, Geological Institute (KSC)

Russian Academy of Sciences (RAS)  
14, Fersman Str., Apatity, Murmansk region, 184200  
Phone: +7-81555-76567 Fax: +7-81555-76481  
Email: root@geo.ksc.apatity.ru  
Web: geoksc.apatity.ru

## Kola Science Centre, Mining Institute (KSC)

Russian Academy of Sciences (RAS)  
24 Fersman Str., Apatity, Murmansk region 184200  
Phone: +7-81555-30589 Fax: +7-81555-74625  
Email: root@goi.kolasc.net.ru Web: www.ksc.ru/goi

## Kola Science Centre, Polar Geophysical Institute (KSC)

Russian Academy of Sciences (RAS)  
15, Khalturin Str., Murmansk 183010  
Phone: +7-8152-565829 Fax: +7-8152-560337  
Email: general@pgi.ru Web: www.ksc.ru

## O.J.Shmidt United Institute of Earth Physics (UIPE)

Russian Academy of Sciences (RAS)  
10, B. Gruzinskaya Street, D-242, GSP Moscow 123810  
Phone: +7-095-254-2710/252-0726  
Fax: +7-095-255-6040/254-9088  
Email: strakhov@dir.iephys.msk.su, wws@uipe-ras.scgis.ru  
Web: www.scgis.ru/

## Oil and Gas Research Institute

Russian Academy of Sciences (RAS)  
3 Gubkin street 117701 GSP1 Moscow  
Phone: +7-095-135-73-71 Fax: +7-095-135-54-65

Seismological Coordination and Research-Engineering  
Centre

Russian Academy of Sciences (RAS)  
51, Ulyanovskaya Street, V-71 Moscow 109004  
Phone: +7-095-272-3618

St-Peterburg State Institute of Mining, Laboratory of  
Hydrogeology and Mining Technologies on Nature  
Protection

Russian Academy of Sciences (RAS)  
2, 21-st Line, St-Petersburg 199026  
Phone: +7-812-218-8421

## Geophysical Survey (GS)

Russian Academy of Sciences (RAS)  
189 Lenin str., Obninsk, Kaluzhski region, 249020  
Phone: +7-084-393-1405, +7-095-912-6872  
Fax: +7-095-334-2002  
Email: ceme@gsras.ru Web: www.gsras.ru

Kola Regional Seismological Centre, Geophysical Survey  
(KRSC)

Russian Academy of Sciences (RAS)  
14, Fersman Str., Apatity 184200, Murmansk Region  
Phone: +7-81555-79663 Fax: +7-81555-76590  
Email: admin@krsc.ru Web: www.krsc.ru

The National Mining Research Center - A.A. Skochinsky  
Institute of Mining (IGD)

Russian Academy of Sciences (RAS)  
140004 Lyubertsy-4, Moscow Region  
Phone: +7-095-554-8513 Fax: +7-095-554-5247

## Ufa Scientific Centre, Institute of Geology

Russian Academy of Sciences (RAS)  
16/2 K Marks Str., Ufa 450000  
Phone: +7-3472-22-8256 Fax: +7-3472-23-0368  
Email: ig@anrb.ru Web: www.anrb.ru/geol/Main.htm

V.I. Vernadskii State Geological Museum

Russian Academy of Sciences (RAS)  
11, bld.2, Mokhovaya Street, Moscow 103009  
Phone: +7-095-203-5387 Fax: +7-095-203-4798  
Email: webmaster@sgm.ru Web: www.sgm.ru/

V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry (GEOKHI)

Russian Academy of Sciences (RAS)  
Kosygin str., 19, V-334, GSP-1 Moscow 117975  
Phone: +7-095-137-4127  
Fax: +7-095-938-2054/137-4329  
Email: galimov@geokhi.msk.su

Buryat Science Centre, Geological Institute

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
6-a, Sakhyanova Str., Ulan-Ude 670047  
Phone: +7-3012-33-0955 Fax: +7-3012-33-6024  
Email: burgin@east sib.ru

Institute of the Earth's Crust

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
128, Lermontov Str., Irkutsk , 664033  
Phone: +7-3952-46-4000 Fax: +7-3952-46-2900  
Email: skl@gpg.crust.irk.ru, drf@earth.crust.irk.ru  
Web: www.crust.irk.ru

Vinogradov Institute of Geochemistry

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
1a, Favorsky Str., Irkutsk , 664033  
Phone: +7-3952-46-0500 Fax: +7-3952-46-4050  
Email: root@igc.irk.ru

Institute of Mining

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
54, Krasny Prospect, Novosibirsk, 630091  
Phone: +7-3832-17-0337 Fax: +7-3832-17-0678  
Email: admin@misd.nsc.ru Web: www.misd.nsc.ru/

Trofimuk United Institute of Geology, Geophysics and Mineralogy (UIGGM)

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
3, Koptyug Ave., Novosibirsk , 630090  
Phone: +7-3832-33-2600 Fax: +7-3832-33-2792  
Web: www.uiggm.nsc.ru/

Institute of Geology

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
3, Koptyug Ave., Novosibirsk, 630090  
Phone: +7-3832-33-2600 Fax: +7-3832-33-2792  
Email: dobr@uiggm.nsc.ru  
Web: geology.uiggm.nsc.ru/, (www.uiggm.nsc.ru/)

Institute of Mineralogy and Petrography

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
3, Koptyug Ave., Novosibirsk, 630090  
Phone: +7-3832-33-2406/39-6445  
Fax: +7-3832-33-2792  
Email: sobolev@uiggm.nsc.ru  
Web: imp.uiggm.nsc.ru/, (www.uiggm.nsc.ru/)

Institute of Geophysics

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
3, Koptyug Ave., Novosibirsk, 630090  
Phone: +7-3832-33-2513 Fax: +7-3832-33-3432  
Email: goldin@uiggm.nsc.ru  
Web: igp.uiggm.nsc.ru/, (www.uiggm.nsc.ru/)

Institute of Petroleum Geology (IPG)

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
3, Koptyug Ave., Novosibirsk, 630090  
Phone: +7-3832-33-2128 Fax: +7-3832-33-2301  
Email: alex@petrol.uiggm.nsc.ru  
Web: petrol.uiggm.nsc.ru/

Mining Institute of the North

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
43, Lenin Prospekt, Yakutsk, 677018  
Phone: +7-4112-44-5930 Fax: +7-4112-44-5930  
Email: igds@sci.yakutia.ru

Yakut Institute of Geological Sciences

Siberian Branch of the Russian Academy of Sciences (SB RAS)  
39, Lenin Prospekt, Yakutsk 677891  
Phone: +7-4112-44-5872/6241 Fax: +7-4112-44-5708  
Email: geo@yacc.yakutia.su

Amur Integrated Research Institute

Far Eastern Branch of the Russian Academy of Sciences (FEB RAS)  
1, Relochny Lane, Blagoveshchensk-on-Amur 675000  
Phone: +7-4162-42-7232 Fax: +7-4162-42-5931  
Email: aurum@amur.ru  
Web: www.febras.ru/, amur.febras.ru/

Branch of Regional Geology and Hydrogeology, Amur Scientific Center

Far Eastern Branch of the Russian Academy of Sciences (FEB RAS)  
2, Khmelnitsky St., Blagoveshchensk 675000  
Phone: +7-4162-42-5522 Fax: +7-4162-42-3454  
Email: orgig@amur.ru  
Web: www.febras.ru/, amur.febras.ru/



**Institute of Volcanic Geology and Geochemistry (IVGG)**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

9, Piip Blvd., Petropavlovsk-Kamchatski 683006

Phone: +7-41522-5-9195/9577

Fax: +7-41522-5-9195/9577/9130

Email: ivgg@mail.kamchatka.ru

Web: kcs.iks.ru/ivgig/

**Institute of Volcanology (IV)**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

9, Piip Blvd., Petropavlovsk-Kamchatski 683006

Phone: +7-41522-5-0603/9175 Fax: +7-41522-5-4723

Email: volcan@kcs.iks.ru Web: kcs.iks.ru/iv/

**Institute of Tectonics and Geophysics**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

65, Kim Yu Chen Street, Khabarovsk 680063

Phone: +7-4212-22-7499 Fax: +7-4212-22-7684

Email: tectonic@itig.fe.ru Web: www.febras.ru/

**Mining Institute**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

51, Turgenev Street, Khabarovsk 680000

Phone: +7-4212-32-7927 Fax: +7-4212-32-7927

Email: mamaev@igd.khv.ru Web: igd.khv.ru/

**North-Eastern Scientific Center**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

16, Portovaya Street, Magadan 685000

Phone: +7-41322-3-0051 Fax: +7-41322-3-0442

Email: nesc@neisri.magadan.ru

Web: gw.neisri.magadan.ru/

**Far Eastern Geological Institute**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

159 Pr-t 100-letiya Vladivostoka, Vladivostok, 690022

Phone: +7-4232-31-8750 Fax: +7-4232-31-7847

Email: fegi@online.marine.su Web: www.fegi.ru/

**Pacific Institute of Geography**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

7, Radio Street, Vladivostok 690041

Phone: +7-4232-32-0672 Fax: +7-4232-31-2159

Email: geogr@tigdvo.marine.su Web: www.febras.ru/

**Pacific Oceanological Institute (POI)**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

43, Baltiyskaya Str., Vladivostok 690041

Phone: +7-4232-31-1400/2600 Fax: +7-4232-31-2573

Email: pacific@online.marine.su

Web: www.febras.ru/, poi.febras.ru/

**Institute of Marine Geology and Geophysics**

Far Eastern Branch of the Russian Academy of Sciences  
(FEB RAS)

5, Nauka Street, Yuzhno-Sakhalinsk 693022

Phone: +7-42422-79-1517 Fax: +7-42422-79-1517

Email: nauka@sakhalin.ru Web: imgg.febras.ru/

**A.N. Zavaritsky Institute of Geology and Geochemistry (IGG)**

Ural Branch of the Russian Academy of Sciences (UB RAS)

7, Pochtovy Lane, Ekaterinburg 620151

Phone: +7-3432-711997 Fax: +7-3432-715252

Email: root@igg.e-burg.su

**Institute of Mineralogy**

Ural Branch of the Russian Academy of Sciences (UB RAS)

Miass, Chelyabinsk Region, 456301

Phone: +7-35135-5-4632 Fax: +7-35135-5-0286

Email: imin@ural.telecom.chel.su

**Institute of Geophysics (IGF)**

Ural Branch of the Russian Academy of Sciences (UB RAS)

100, Amundsen Str., Yekaterinburg 620016

Phone: +7-3432-678-868/888 Fax: +7-3432-678872

Email: dir@igeoph.mplik.ru, outkin@nexcom.ru

**Institute of Mining (IGD)**

Ural Branch of the Russian Academy of Sciences (UB RAS)

58, Mamin-Sibiriyak St., Ekaterinburg 620219

Phone: +7-3432-55-5051 Fax: +7-3432-55-2111

**Institute of Geology (IG)**

Ural Branch of the Russian Academy of Sciences (UB RAS)

54, Pervomaiskaya Str., Syktyvkar, Komi Republic, 167610

Phone: +7-8212-42-0037 Fax: +7-8212-42-5346

Email: common@geo.komi.ru

**Institute of Mining**

Ural Branch of the Russian Academy of Sciences (UB RAS)

78a Sibirskaya St., Perm 614007

Phone: +7-3422-16-7502 Fax: +7-3422-16-0969

Email: arc@mine.perm.su

**Rwanda**

Direction des Mines et de la Géologie

Ministère du Commerce, de l'Industrie et de l'Artisanat

B.P.73 Kigali

Phone: +250-73504 Fax: +250-75465

**Samoa**

Lands and Survey Department

Main Beach Road, P. O. Box 63, Apia

Apia Observatory  
Samoa Meteorology Division  
P.O.Box 3020, Apia  
Web: [www.meteorology.gov.ws/](http://www.meteorology.gov.ws/)

## Saudi Arabia

Saudi Geological Survey  
P.O.Box 54141, Jeddah-21514  
Phone: +966-2-6198000 Fax: +966-2-6198906  
Web: [www.sgs.org.sa/](http://www.sgs.org.sa/)

Deputy Ministry of Mineral Resources  
Ministry of Petroleum and Mineral Resources  
P.O. Box 345, Jeddah 21191  
Phone: +966-2-6671096 Fax: +966-2-6672265  
Web: [www.mopm.gov.sa/](http://www.mopm.gov.sa/)

## Senegal

Bureau de Recherches Géologiques et Minières (BRGM)  
B.P.268, Dakar

## Sierra Leone

Geological Survey Division  
Ministry of Lands, Mines and Labour  
New England, Freetown

## Singapore

Chief Civil Engineer's Office  
Public Works Department  
5 Maxwell Road #07-00, Tower Block MND Complex 069110  
Phone: +65-325-8939 Fax: +65-325-8957

## Slovak Republic

Geological Survey of Slovak Republic  
(Státny Geologický ústav Dionýza Stúra)  
Mlynska dolina 1, 817 04 Bratislava  
Phone: +421-2-59375147 Fax: +421-2-54771940  
Email: [secretary@gssr.sk](mailto:secretary@gssr.sk) Web: [www.gssr.sk/](http://www.gssr.sk/)

## Slovenia

Geological Survey of Slovenia (GeoZS)  
(Geoloski zavod Slovenije)  
Dimiceva 14, 1000, Ljubljana  
Phone: +386-1-2809-700 Fax: +386-1-2809-753  
Email: [www@geo-zs.si](http://www@geo-zs.si) Web: [www.geo-zs.si/](http://www.geo-zs.si/)

Geophysical Survey of Slovenia  
Dunajska 47, 1000, Ljubljana  
Phone: +386-1-4787250 Fax: +386-1-4327067  
Email: [bojan.uran@gov.si](mailto:bojan.uran@gov.si) Web: [www.sigov.si/ugf/](http://www.sigov.si/ugf/)

## Solomon Islands

Ministry of Energy, Mines & Minerals  
P.O. Box G37, Honiara  
Phone: +677-21521 Fax: +677-25811

## Somalia

Geological Survey Department  
Ministry of Minerals and Water Resources  
P.O. Box 744, Mogadishu

## South Africa

Council for Geoscience  
Privat Bag X112, Pretoria 0001  
Phone: +27-12-841-1911 Fax: +27-12-841-1203/1221  
Email: [cfrick@geoscience.org.za](mailto:cfrick@geoscience.org.za)  
Web: [www.geoscience.org.za/](http://www.geoscience.org.za/)

Council for Scientific and Industrial Research (CSIR)  
P.O. Box 395, Pretoria 0001  
Phone: +27-12 841-2911/2000 Fax: +27-12 349-1153  
Web: [www.csir.co.za/](http://www.csir.co.za/)

CSIR Mining Technology  
P.O. Box 395, Pretoria 0001  
Phone: +27-11 358-0079  
Email: [ggurtunc@csir.co.za](mailto:ggurtunc@csir.co.za) Web: [www.csir.co.za/](http://www.csir.co.za/)

CSIR Environmentek  
P.O. Box 395, Pretoria 0001  
Phone: 27-21-8882576/8413680  
Email: [lbarwell@csir.co.za](mailto:lbarwell@csir.co.za), [pmanders@csir.co.za](mailto:pmanders@csir.co.za)  
Web: [www.csir.co.za/](http://www.csir.co.za/)

## Spain

Instituto Geológico y Minero de España (IGME)  
Rios Rosas, 23, 28003 Madrid  
Phone: +34-91 349 5700 Fax: +34-91 442 6216  
Email: [igme@igme.es](mailto:igme@igme.es) Web: [www.igme.es](http://www.igme.es)

Spanish Institute of Oceanography (IEO)  
(Instituto Español de Oceanografía)  
Avda. del Brazil, 31, 28020 Madrid  
Phone: +34-915-974443/914-175411  
Fax: +34-915-974770  
Email: [ieo@md.ieo.es](mailto:ieo@md.ieo.es) Web: [www.ieo.es/](http://www.ieo.es/)

## Sri Lanka

Geological Survey and Mines Bureau (GSMB)  
No.4, Galle Road, Senanayake Building, Dehiwala  
Phone: +94-1-739307/739308 Fax: +94-1-735752  
Email: [gsmb@slt.lk](mailto:gsmb@slt.lk) Web: [www.gsmb.slt.lk/](http://www.gsmb.slt.lk/)

## Sudan

Geological Research Authority of the Sudan (GRAS)  
 Ministry of Energy & Mining  
 P.O. Box 410, Khartoum 11111  
 Phone: +249-11-777939 Fax: +249-11-776681  
 Email: info@gras-sd.com, gras@sudanmail.net  
 Web: www.gras-sd.com/

## Suriname

Geological Mining Service  
 (Geologisch Mijmbouwkundige Dienst)  
 Kleine Waterstraat 2-6, Paramaribo

## Swaziland

Geological Survey and Mines Department  
 P.O. Box 9, Mbabane  
 Phone: +268-404-2411/4 Fax: +268-404-5215  
 Email: geoswz\_dir@realnet.co.sz

## Sweden

Geological Survey of Sweden (SGU)  
 (Sveringens Geologisk Undersökning)  
 Box 670, SE-751 28 Uppsala  
 Phone: +46-18-179000 Fax: +46-18-179210  
 Email: sgu@sgu.se Web: www.sgu.se/

International Geosphere-Biosphere Programme  
 The Royal Swedish Academy of Sciences (IGBP)  
 Box 50005, Lilla Frescativägen 4, S-104 05 Stockholm  
 Phone: +46-8-166448 Fax: +46-8-166405  
 Email: sec@igbp.kva.se Web: www.igbp.kva.se/

## Switzerland

Federal Office for Water and Geology (FOWG)  
 Swiss National Hydrological and Geological Survey  
 CH-3003 Bern-Lttenen  
 Phone: +41-31-3247758 Fax: +41-31-3247681  
 Email: info@bwg.admin.ch Web: www.bwg.admin.ch/

## Syria

General Establishment of Geology and Mineral Resources  
 Ministry of Petroleum & Mineral Resources  
 P.O. Box 7645, Khatib Street, Adawi, Damascus  
 Phone: +963-11-4451624/4455972  
 Fax: +963-11-4463942  
 Email: mopmr@net.sy  
 Web: www.mopmr-sy.org/geology\_mineral.htm

## Taiwan

Central Geological Survey [Taipei] (CGS)  
 P.O. Box 968, Taipei  
 Phone: +886-2-29462793 Fax: +886-2-29429291  
 Email: cgs@moeacgs.gov.tw  
 Web: www.moeacgs.gov.tw/ehome/Index10.htm

## Tanzania

Mineral Resources Department (MRD)  
 P.O. Box 903, Dodoma  
 Phone: +255-61-324943 Fax: +255-61-324943  
 Email: mrd@twiga.com  
 Web: www.africaonline.co.tz/madini/, tanzania.sgu.se/

## Thailand

Department of Mineral Resources  
 Rama VI Road, Bangkok 10400  
 Phone: +66-2-202-3735/3737/3743  
 Fax: +66-2-202-3754/3702  
 Web: www.dmr.go.th/

## Togo

Direction des Mines et de la Géologie  
 Ministère des Mines et Ressources Hydrauliques  
 B.P. 356, Lomé

## Tonga

Ministry of Lands, Survey and Natural Resources  
 P.O. Box 5, Nuku'alofa  
 Phone: +676-23611 Fax: +676-23216  
 Email: minlands@kalianet.to Web: pmo.gov.to/

## Trinidad and Tobago

Ministry of Energy and Energy Industries  
 Riverside Plaza, P.O. Box 96, Port-of-Spain  
 Phone: +1-868-623-6708/6719 Fax: +1-809-625-0306  
 Email: ttomener@undp.org Web: www.energy.gov.tt/

## Tunisia

Office National des Mines  
 24 rue 8601, Zone Industrielle Charguia, 2035 Tunis Carthage  
 Phone: +216-1-788 842 Fax: +216-1-794016  
 Email: Chefservice.onm@email.ati.tn

## Turkey

General Directorate of Mineral Research and Exploration  
(MTA)

(Moden Tetkik ve Arama Genel Müdürlüğü)

MTA 06520 Ankara

Phone: +90-312-287-3430 Fax: +90-312-287-9188

Email: mta@mta.gov.tr Web: www.mta.gov.tr/

Turkish Petroleum Company (TPAO)

(Türkiye Petrolleri Anonim Ortaklığı)

Mustafa Kemal Mah. 2. Cad. No: 86, 06520 Ankara

Phone: +90-312-286-9100

Fax: +90-312-286-9000/9001

Email: tpaocc@petrol.tpao.gov.tr

Web: www.tpao.gov.tr/

## Uganda

Geological Survey and Mines Department

P.O. Box 9, Entebbe

Phone: +256-42-20656 Fax: +256-42-20364

Email: gsurvey@starcom.co.ug

## Ukraine

Institute of Geological Sciences (IGS)

National Academy of Sciences of Ukraine (NASU)

55-b Olesya Gonchara str., Kiev-54, 01601

Phone: +380-44-216-9446 Fax: +380-44-216-9334

Email: ignnanu@geolog.freenet.kiev.ua

Web: http://www.nas.gov.ua/d/d5.nas\_d5i1.html

Institute of Geochemistry, Mineralogy and Ore Formations  
(IGMOF)

34, prosp. Palladina, 34, Kiev-142, 03680

Phone: +380-44-444-1570/0305

Fax: +380-44-444-1270

Email: zhovin@geochem.kiev.ua

Ukrainian State Committee on Geology and Utilization of  
Mineral Resources

Volodymyrska 34, Kyiv 34, 252601

Phone: +380-44-228-6051/3243

Fax: +380-44-228-6051

Email: admin@brama.com

Web: http://www.brama.com/ua-geology/

## United Kingdom

British Geological Survey

Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

Phone: +44-115 936 3100 Fax: +44-115 936 3200

Email: enquiries@bgs.ac.uk Web: www.bgs.ac.uk/

British Antarctic Survey

High Cross, Madingley Road, Cambridge, CB3 0ET

Phone: +44-1223 221400 Fax: +44-1223 362616

Email: information@bas.ac.uk

Web: www.antarctica.ac.uk/

Centre for Ecology and Hydrology

CEH Directorate, Monks Wood, Abbots Ripton, Huntingdon,  
PE17 2LS

Phone: +44-1487 772400 Fax: +44-1487 773467

Email: director@ceh.ac.uk Web: www.ceh.ac.uk/

Plymouth Marine Laboratory

Prospect Place, The Hoe, Plymouth, PL1 3DH

Phone: +44-1752 633100 Fax: +44-1752 633101

Email: forinfo@pm.ac.uk Web: www.pml.ac.uk/

Proudman Oceanographic Laboratory

Bidston Observatory, Birkenhead, CH43 7RA

Phone: +44-151 6538633 Fax: +44-151 6536269

Email: polenquiries@pol.ac.uk Web: www.pol.ac.uk/

## United States of America

U. S. Geological Survey (USGS)

100 National Center, 12201 Sunrise Valley Drive, Reston, VA  
20192

Phone: +1-703-648-7411 Fax: +1-703-648-4454

Web: www.usgs.gov/

U. S. Geological Survey, International Programs

911 National Center, 12201 Sunrise Valley Drive, Reston, VA  
20192

Phone: +1-703-648-6600 Fax: +1-703-648-7031/4227

U. S. Geological Survey, Central Region

Denver Federal Center., Bldg. 810, MS-150, Denver CO  
80225

Phone: +1-303-202-4740 Fax: +1-303-202-4742

Email: tcasadev@usgs.gov

U. S. Geological Survey, Eastern Region

150 National Center, 12201 Sunrise Valley Drive, Reston, VA  
20192

Phone: +1-703-648-4538 Fax: +1-703-648-4588

U. S. Geological Survey, Western Region

345 Middlefield Road, Menlo Park, CA 94025

Phone: +1-650-853-8300

National Oceanic and Atmospheric Administration (NOAA)

14th Street and Constitution Ave., N.W. Washington, D.C.  
20230

Phone: +1-202-482-6090 Fax: +1-202-482-3154

Email: answers@noaa.gov Web: www.noaa.gov/

National Geophysical Data Center (NGDC)

325 Broadway, E/GC, Boulder, CO 80305-3328

Phone: +1-303-497-6826 Fax: +1-303-497-6513

Email: ngdc.info@noaa.gov Web: www.ngdc.noaa.gov/

National Aeronautics and Space Administration (NASA)  
300 E Street, S.W. Washington, DC 20546  
Phone: +1-202-358-0000 Fax: +1-202-358-0071  
Web: [www.nasa.gov/](http://www.nasa.gov/)

Vietnam Oil & Gas Corporation (PETROVIETNAM)  
22 Ngo Quyen Street, Hoan Kiem District, Hanoi  
Phone: +84-4-8252526 Fax: +84-4-8265942  
Email: [intercoop1@hn.pv.com.vn](mailto:intercoop1@hn.pv.com.vn), [intercoop2@hn.pv.com.vn](mailto:intercoop2@hn.pv.com.vn)  
Web: [www.petrovietnam.com.vn/](http://www.petrovietnam.com.vn/)

## Uruguay

Dirección Nacional Minería y Geología (DINAMIGE)  
Hervidero 2861, C.P.11800, Montevideo  
Phone: +598-2-2001951/2001952  
Fax: +598-2-2094905/2091120  
Email: [secretaria@dinamige.miem.gub.uy](mailto:secretaria@dinamige.miem.gub.uy)  
Web: [www.dinamige.gub.uy/](http://www.dinamige.gub.uy/)

## Yemen

Geological Survey and Mineral Resources Board  
P.O. Box 297, Sanaa  
Phone: +967-1-266733 Fax: +967-1-669698  
Email: [GSMRB@Y.Net.Ye](mailto:GSMRB@Y.Net.Ye)

## Uzbekistan

State Committee for Geology and Mineral Resources  
11 Shevchenko St., Tashkent 700060  
Phone: +998-71-1327206 Fax: +998-71-560283

## Yugoslavia

Geological Survey  
(Geozavod)  
Karadordeva St. 48, Belgrade  
Phone: +381-11-461344  
Email: [unabojan@EUnet.yu](mailto:unabojan@EUnet.yu) Web: [www.gemini.co.yu/](http://www.gemini.co.yu/)

## Vanuatu

Department of Geology, Mines and Water Resources  
Private Mail Bag 1, GPO, Port Vila  
Phone: +678-22423 Fax: +678-22213

Geoinstitut  
Rovinska 12, 11000 Beograd  
Phone: +381-11-4889966 Fax: +381-11-4885296

## Venezuela

Dirección General Sectorial de SERVICIOMIN  
Ministerio de Energía y Minas  
Torre Oeste, Parque Central, Piso 8, Caracas D.F. 1010  
Phone: +58-2-576-3217 Fax: +58-2-576-3217

Geophysical Institute  
Dimitrija Avramovica 38, 11030 Beograd  
Phone: +381-11-3917005  
Email: [komsne@yahoo.com](mailto:komsne@yahoo.com)

Centro de Análisis de Información, Geológica-Minera  
Torre Oeste, Parque Central, Piso 8, Caracas D.F. 1010

## Zambia

Geological Survey Department (GSD)  
Ministry of Mines  
P.O. Box 50135, Lusaka  
Phone: +260-1-250174/227947~8  
Fax: +260-1-251973

## Vietnam

Department of Geology and Minerals of Vietnam (DGMV)  
Ministry of Natural Resources and Environment  
6 Pham Ngu Lao Street, Hanoi  
Phone: +84-4-8260671/8256212 Fax: +84-4-8254734  
Email: [dungnt@dgm.gov.vn](mailto:dungnt@dgm.gov.vn)

## Zimbabwe

Zimbabwe Geological Survey  
P.O. Box 210, Causeway, Harare  
Phone: +263-4-726342~3/252016/252017  
Fax: +263-4-739601  
Email: [zimgeosv@africaonline.co.zw](mailto:zimgeosv@africaonline.co.zw)  
Web: [www.geosurvey.co.zw/](http://www.geosurvey.co.zw/)

Institute of Geological Sciences  
Nghia Do, Cau Giay, Hanoi  
Phone: +84-475644160 Fax: +84-48362886  
Email: [Geoins@ncst.ac.vn](mailto:Geoins@ncst.ac.vn), [tthue@ncst.ac.vn](mailto:tthue@ncst.ac.vn)

Institute of Geophysics  
Hoang Quoc Viet Str., Cau Giay, Ha Noi  
Phone: +84-48352380 Fax: +84-48352483/48364696  
Web:  
[www.vista.gov.vn/VistaEnglish/VistaWeb/caccoquan/wwldce.htm](http://www.vista.gov.vn/VistaEnglish/VistaWeb/caccoquan/wwldce.htm)

## International Organizations

### ASEAN Council on Petroleum (ASCOPE)

c/o PERTAMINA, Jl.H.R. Rasuna Said Blok X Kav.B-9,  
Kuningar, Jakarta 12950, Indonesia  
Phone: +62-21-2523377 Fax: +62-21-2520551

### Asian Disaster Preparedness Center

P.O. Box 4, Klong Luang, Pathumthani 12120, Thailand  
Phone: +66-2-524 5378/5354 Fax: +66-2-524 5360  
Email: adpc@ait.ac.th

### Bureau Hydrographique International

7, aye President Keunely, Bp-345, Monte Carlo Mc-98000,  
Monaco

### Central Africa Mineral Resources Development Centre (CAMRDC)

P.O.Box 579, Brazzaville, Republic of the Congo  
Phone: +242-83 19 16 Fax: +242-83 62 43

### Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP)

24th Fl., Suite 244-5, Thai CC Tower, Sathorn Tai Road,  
Sathorn, Bangkok 10120, Thailand  
Phone: +66-2-672-3080/3081 Fax: +66-2-672-3082  
Email: ccopts@ccop.or.th Web: www.ccop.or.th/

### Commission for the Geological Map of the World (CGMW)

77, rue Claude Bernard, 75005 Paris, France  
Phone: +33-1-47-072284 Fax: +33-1-43-369518  
Email: ccgm@club-internet.fr  
Web: perso.club-internet.fr/ccgm

### Division of Earth Sciences

7, Place de Fontenoy, 75352, Paris, France  
Phone: +33-1-45 68 41 15 Fax: +33-1-45 68 58 22  
Email: earthsciences@unesco.org

### Environment and Sustainable Development Division

Economic and Social Development in Asia and the Pacific  
(ESCAP)  
UN Building, Rajadamnern Avenue, Bangkok 10200, Thailand  
Phone: +66-2-2829617 Fax: +66-2-2829602

### European Space Agency

8-10, rue Mario-Nikis, 75738 Paris Cedex 15, France  
Phone: +33-1-53697550 Fax: +33-1-53697735

### International Centre for Training and Exchanges in the Geosciences (CIFEG)

B.P. 6517, 45065 Orleans Cedex 2, France  
Phone: +33-2-38643367 Fax: +33-2-38643472  
Email: c.mcculloch@brgm.fr Web: www.cifeg.org/

### Mining & Industry Unit

The World Bank  
1818 H Street, N.W., Washington, DC 20433, U. S. A.  
Phone: +1-202-473-4242 Fax: +1-202-522-0396  
Email: Pvanderveen@worldbank.org

### South Pacific Applied Geoscience Commission (SOPAC)

Private Mail Bag, GPO, Suva, Fiji Islands  
Phone: +679-338 1377 Fax: +679-337 0040  
Email: director@sopac.org Web: www.sopac.org

### Southern and Eastern Africa Mineral Centre (SEAMIC)

P.O.Box 9573, Dar es Salaam, Tanzania  
Phone: +255-51-650321/47 Fax: +255-51-650319

### Euro Geo Surveys (EGS)

Rue de Luxembourg 3, B-1000 Brussels, Belgium  
Phone: +32-2-5015332/5015330 Fax: +32-2-5015333  
Email: e.elewaut@eurogeosurveys.org,  
s.shibura@eurogeosurveys.org  
Web: www.eurogeosurveys.org

## Index

- A.E. Fersman Mineralogical Museum, 18  
A.N. Zavaritsky Institute of Geology and Geochemistry, 21  
A.P. Karpinsky All-Russian Institute of Geological Research, 18  
Academia de Ciencias de Cuba, 8  
Academy of Mineral Resources of the Republic of Kazakhstan, 13  
Academy of Sciences of the Czech Republic, 8  
Aero Geophysical Survey and Remote Sensing Center, 4  
Afghanistan, 1  
Albania, 1  
Alfred Wegener Institute for Polar and Marine Research, 9  
Algeria, 1  
All-Russian Petroleum Research Exploration Institute, 18  
All-Russian Research Institute for Geology and Mineral Resources of the World Ocean, 18  
All-Russian Research Institute for Hydrogeology and Engineering Geology, 17  
All-Russian Research Institute of Economy and Exploration of Mineral Resources, 18  
All-Russian Research Institute of Exploration Geophysics, 18  
All-Russian Research Institute of Geological, Geophysical and Geochemical Systems, 17  
All-Russian Research Institute of Mineral Resources, 17  
All-Russian Research Institute of Oil Geology, 19  
Amur Integrated Research Institute, 20  
Angola, 1  
Apia Observatory, 22  
Argentina, 1  
Armenia, 1  
Armenian Academy of Sciences, 1  
ASCOPE, 26  
ASEAN Council on Petroleum, 26  
Asian Disaster Preparedness Center, 26  
Australia, 1  
Austria, 2  
Azerbaijan, 2  
Azerbaijan National Academy of Sciences, 2  
  
Bahamas, 2  
BAKOSURTANAL, 11  
Bangladesh, 2  
Beijing General Research Institute of Nonferrous Metals, 7  
Belarus, 2  
Belgian Geological Survey, 2  
Belgian Nuclear Research Centre, 2  
Belgium, 2  
Benin, 2  
BGR, 9  
Bhutan, 2  
Biblioteca, Centro de Investigaciones del Petróleo, 8  
BMG, 11  
Bolivia, 2  
Bosnia-Herzegovina, 2  
Botswana, 2  
Branch of Regional Geology and Hydrogeology, Amur Scientific Center, 20  
  
Brazil, 2  
Brazilian Geological Survey, 2  
BRGM, 9, 22  
British Antarctic Survey, 24  
British Geological Survey, 24  
BRPM, 15  
Brunei Darussalam, 3  
BU.MI.GE.B, 3  
Bulgaria, 3  
Bulgarian Academy of Sciences, 3  
Bundesanstalt für Geowissenschaften und Rohstoffe, 9  
Bureau de Recherches et de Participations Minières, 15  
Bureau de Recherches Géologiques et Minières, 9, 22  
Bureau de Recherches Géologiques et Minières, Direction des Mines et de la Géologie, 16  
Bureau des Mines et de la Géologie du Burkina, 3  
Bureau Hydrographique International, 26  
Bureau of Geological Investigation, 15  
Bureau of Meteorology and Geophysics, 11  
Bureau of Mines and Energy, 10  
Burkina Faso, 3  
Burundi, 3  
Buryat Science Centre, Geological Institute, 20  
Byelorussian Academy of Sciences, 2  
  
C.R.G.M., 7  
CAGS, 5  
Cambodia, 3  
Cameroon, 3  
CAMRDC, 26  
Canada, 3  
Canada Centre for Remote Sensing, 4  
Canadian Space Agency, 4  
CAREERI, 6  
CAS, 6  
CCII, 7  
CCOP, 26  
CCRI, 7  
CEINPET, 8  
CENAI, 8  
Center for Research and Development for Oil and Gas Technology, 11  
Center for Seismic Data and Information, 6  
Central 7, National Institute of Advanced Industrial Science and Technology, 12  
Central Africa Mineral Resources Development Centre, 26  
Central African Republic, 4  
Central Geological Laboratory, 15  
Central Geological Survey [Taipei], 23  
Central Research Institute of Geological Prospecting for Base and Precious Metals, 17  
Centre de Recherches Géologiques et Minières, 7  
Centre for Ecology and Hydrology, 24  
Centro de Análisis de Información, Geológica-Minera, 25  
Centro de Investigaciones Geotécnicas, 9  
Centro Nacional de Investigaciones Sismológicas, 8  
Ceské Geologické Služby, 8  
CGMW, 26  
CGS, 8, 23  
Chad, 4

## Index

- Chengdu Institute of Geology and Mineral Resources, 5  
Chengdu Institute of Multipurpose Utilization of Mineral Resources, CAGS, 5  
Chief Civil Engineer's Office, 22  
Chile, 4  
China, 4  
China Coal Information Institute, 7  
China Coal Research Institute, 7  
China Geological Survey, 4–6  
China Institute of Geo-Environmental Monitoring, 5  
China National Nonferrous Metals Industry Corporation, 7  
China National Offshore Oil Corporation, 7  
China Seismological Bureau, 6, 7  
Chinese Academy of Geological Sciences, 5  
Chinese Academy of Sciences, 6  
CIFEG, 26  
Climate Change Impacts and Adaptation Directorate, 4  
CNOOC, 7  
CODELCO, 4  
Cold and Arid Regions Environmental and Engineering Research Institute, 6  
Colombia, 7  
Comissariado dos Recursos Naturais, 10  
Commission for the Geological Map of the World, 26  
Complex Processing of Mineral Stuff National Centre, 13  
Congo, Democratic Republic of the, 7  
Congo, Republic of the, 7  
Consejo de Recursos Minerales, 14  
Cook Islands, 7  
Coordinating Committee for Geoscience Programmes in East and Southeast Asia, 26  
Corporación Nacional del Cobre, 4  
Costa Rica, 7  
Cote d'Ivoire, 7  
Council for Geoscience, 22  
Council for Scientific and Industrial Research, 22  
CPRM, 2  
CRM, 14  
Croatia, 8  
CSIR, 22  
CSIR Environmentek, 22  
CSIR Mining Technology, 22  
CSIRO Energy Technology, 1  
CSIRO Exploration & Mining, 1  
CSIRO Land and Water, 1  
CSIRO Minerals, 1  
CSIRO Petroleum Resources, 1  
Cuba, 8  
Cyprus, 8  
Cyprus Geological Survey Department, 8  
Czech, 8  
Czech Geological Survey, 8  
Daghestan Scientific Centre, Institute of Geology, 18  
Denmark, 8  
Department of Economic Affairs, 15  
Department of Environment and Natural Resources, 17  
Department of Geological Survey & Mineral Exploration, 15  
Department of Geology and Mineral Survey, 1  
Department of Geology and Minerals of Vietnam, 25  
Department of Geology and Mines, 2, 13  
Department of Geology, Geophysics, Geochemistry and Mining Sciences, 17  
Department of Geology, Mines and Water Resources, 25  
Department of Industrial Development, 17  
Department of Meteorology and Hydrology, 15  
Department of Mineral Resources, 23  
Department of Mines, 11  
Department of Mines and Geology, 14, 15  
Department of Mining, 16  
Department of Science and Technology, 17  
Department of Survey and Physical Planning, 7  
Deputy Ministry of Mineral Resources, 22  
Development and Research Center, 4  
DGMV, 25  
DINAGE, 8  
DINAMI, 8  
DINAMIGE, 25  
Direcção Nacional de Geologia, 15  
Direcção de Serviços de Geologia, 1  
Direcção Geral, Geología e Minas, 10  
Dirección de Geología y Minas, 7  
Dirección de Recursos Minerales, 17  
Dirección General de Minas e Hidrocarburos, 10  
Dirección General de Minería, 8  
Dirección General de Recursos Minerales, 16  
Dirección General Sectorial de SERVICEOMIN, 25  
Dirección Nacional de Geología, 8  
Dirección Nacional de Minería, 8  
Dirección Nacional Minería y Geología, 25  
Direction de la Géologie, 7, 15  
Direction des Mines et de la Géologie, 4, 7–9, 21, 23  
Direction Générale des Mines, 1  
Direction Generale des Mines et Géologie, 10  
Direction Nationale de la Géologie et des Mines, 14  
Directorate General of Geology and Mineral Resources, 11  
Directorate General of Geology and Mines, 3  
Directorate General of Mines, 8  
Directorate of Environmental Geology, 11  
Directorate of Geology and Protection of Subsurface, 3  
Directorate of Mineral Resources, 11  
Directorate of Volcanology and Geological Hazard Mitigation, 11  
Direktorat Jenderal Geologi dan Sumber daya Mineral, 11  
Direktorat Tata Lingkungan Geologi dan Kawasan Pertambangan, 11  
Direktorat Vulkanologi dan Mitigasi Bencana Geologi, 11  
Division du Service Géologique de l'Algérie, 1  
Division of Earth Sciences, 26  
DJGSM, 11  
Djibouti, 8  
DMR, 11  
DNGM, 14  
Dominican Republic, 8  
DRC, 18  
DTLGKP, 11  
Eötvös Loránd Geophysical Institute of Hungary, 10  
Earth Sciences Informatin Centre, 4  
Earth Sciences Sector, 4  
Economic and Social Development in Asia and the Pacific, 26



- Ecuador, 8  
 Eesti Geoloogiakeskus, 9  
 EGS, 26  
 EGSMA, 9  
 Egypt, 9  
 Egyptian Geological Survey and Mining Authority, 9  
 El Salvador, 9  
 ELGI, 10  
 Empresa Nacional de Minería, 4  
 ENAMI, 4  
 Environment and Sustainable Development Division, 26  
 Environment Protection Directorate, 14  
 ESCAP, 26  
 Estonia, 9  
 Ethiopia, 9  
 Ethiopian Institute of Geological Surveys, 9  
 Euro Geo Surveys, 26  
 European Space Agency, 26  
  
 Far Eastern Branch of the Russian Academy of Sciences, 20, 21  
 Far Eastern Geological Institute, 21  
 FEB RAS, 20, 21  
 Federal Institute of Geoscience and Natural Resources, 9  
 Federal Ministry of Mines and Power, 16  
 Federal Office for Water and Geology, 23  
 Fideicomiso de Fomento Minero, 14  
 FIFOMI, 14  
 Fiji Islands, 9  
 Finland, 9  
 FOWG, 23  
 France, 9  
 French Research Institute for Exploitation of the Sea, 9  
  
 Gabon, 9  
 GBA, 2  
 GC, 18  
 General Bureau of Geology and Exploration, 7  
 General Department of Mineral Resources, 3  
 General Directorate of Mineral Research and Exploration, 24  
 General Establishment of Geology and Mineral Resources, 23  
 GeoConnections Secretariat, 4  
 Geodetic Survey Division, 4  
 Geoelectromagnetic Research Institute, 18  
 GeoForschungsZentrum Potsdam, 9  
 Geographical Survey Institute, 12  
 Geoinformation Research Centre, 18  
 Geoinstitut, 25  
 GEOKHI, 20  
 Geologian Tutkimuskeskus, 9  
 Geological Bureau, 7  
 Geological Department, 14  
 Geological Institute, 9  
 Geological Institute "Acad. Strashimir Dimitrov", 3  
 Geological Institute of Hungary, 10  
 Geological Institute of Romania, 17  
 Geological Mining Service, 23  
 Geological Research and Development Centre, 11  
 Geological Research and Mining Department, 14  
 Geological Research Authority of the Sudan, 23  
 Geological Survey, 14, 25  
 Geological Survey and Mineral Resources Board, 25  
 Geological Survey and Mines Bureau, 22  
 Geological Survey and Mines Department, 23, 24  
 Geological Survey Department, 14, 22, 25  
 Geological Survey Department of Nigeria, 16  
 Geological Survey Division, 22  
 Geological Survey of Albania, 1  
 Geological Survey of Austria, 2  
 Geological Survey of Bangladesh, 2  
 Geological Survey of Bosnia & Herzegovina, 2  
 Geological Survey of Botswana, 2  
 Geological Survey of Canada, 3  
 Geological Survey of Canada, Atlantic Division, 3  
 Geological Survey of Canada, Calgary Division, 3  
 Geological Survey of Canada, Pacific Division-Sidney, 3  
 Geological Survey of Canada, Pacific Division-Vancouver, 3  
 Geological Survey of Canada, Québec Division, 3  
 Geological Survey of Denmark and Greenland, 8  
 Geological Survey of Estonia, 9  
 Geological Survey of Finland, 9  
 Geological Survey of India, 10  
 Geological Survey of India, Central Region, 10  
 Geological Survey of India, Eastern Region, 10  
 Geological Survey of India, North Eastern Region, 10  
 Geological Survey of India, Northern Region, 10  
 Geological Survey of India, Southern Region, 11  
 Geological Survey of India, Western Region, 11  
 Geological Survey of Iran, 11  
 Geological Survey of Ireland, 12  
 Geological Survey of Israel, 12  
 Geological Survey of Italy, 12  
 Geological Survey of Japan, 12  
 Geological Survey of Lithuania, 14  
 Geological Survey of Mongolia, 15  
 Geological Survey of Morocco, 15  
 Geological Survey of Namibia, 15  
 Geological survey of Norway, 16  
 Geological Survey of Pakistan, 16  
 Geological Survey of Papua New Guinea, 16  
 Geological Survey of Slovak Republic, 22  
 Geological Survey of Slovenia, 22  
 Geological Survey of Sweden, 23  
 Geologisch Mijmbouwkundige Dienst, 23  
 Geologische Bundesanstalt, 2  
 Geologiski Zavod, 14  
 Geoloski zavod Slovenije, 22  
 GEOMAR Research Center for Marine Geosciences, 9  
 Geomatics Canada, 3, 4  
 Geophysical Centre, 18  
 Geophysical Institute, 3, 8, 25  
 Geophysical Survey, 19  
 Geophysical Survey of Slovenia, 22  
 Georgia, 9  
 Georgian Academy of Sciences, 9  
 Geoscience Australia, 1  
 Geoscience Laboratory, 16  
 Geozavod, 25  
 GeoZS, 22  
 Germany, 9  
 GEUS, 8

## Index

- GFZ, 9  
GGMC, 10  
Ghana, 9  
Ghana Geological Survey, 9  
GIGCAS, 6  
GIN, 19  
GNS, 16  
GRAS, 23  
GRDC, 11  
Greece, 10  
GS, 19  
GSD, 25  
GSE, 9  
GSI, 12  
GSJ, 12  
GSMB, 22  
GSP, 16  
GTK, 9  
Guangzhou Institute of Geochemistry, 6  
Guangzhou Marine Geological Survey, 5  
Guatemala, 10  
Guinea, 10  
Guinea-Bissau, 10  
Guyana, 10  
Guyana Geology and Mines Commission, 10  
  
Haiti, 10  
Honduras, 10  
Hungarian Geological Survey, 10  
Hungary, 10  
Hydrocarbon Development Institute of Pakistan, 16  
Hydrographic and Oceanographic Department, 12  
  
Iceland, 10  
Icelandic Museum of Natural History, 10  
IDG, 18  
IEG, 18  
IEM, 18  
IEO, 22  
IFREMER, 9  
IG, 21  
IGBP, 23  
IGD, 19, 21  
IGEM, 19  
IGF, 21  
IGG, 21  
IGGCAS, 6  
IGGD, 19  
IGIRGI, 18  
IGME, 10, 22  
IGMOF, 24  
IGS, 24  
IGSNRR, 6  
IIRG, 12  
ILS, 19  
India, 10  
Indonesia, 11  
Indonesian Institute of Sciences, 11  
Industrial Research Center, 14  
INGEMMET, 17  
INGEOMINAS, 7  
Institut Français de Recherche pour l'Exploitation de la Mer, 9  
  
Institut Supérieur d'Études et de Recherches Scientifiques et Technique, 8  
Institute for Geological and Mining Research, 3  
Institute of Complex Mining Exploration Problems, 18  
Institute of Engineering Mechanics, 7  
Institute of Environmental Geoscience, 18  
Institute of Experimental Mineralogy, 18  
Institute of Exploration Engineering, CAGS, 5  
Institute of Exploration Technique, CAGS, 5  
Institute of Exploration Technology, CAGS, 5  
Institute of Geochemistry, Mineralogy and Ore Formations, 24  
Institute of Geographic Sciences and Natural Resources Research, 6  
Institute of Geological and Nuclear Sciences Ltd., 16  
Institute of Geological Sciences, 1, 24, 25  
Institute of Geology, 2, 6, 8, 13, 14, 19–21  
Institute of Geology - Croatian Geological Society, 8  
Institute of Geology and Exploitation of Combustible Resources, 18  
Institute of Geology and Geophysics, North Area, 6  
Institute of Geology and Geophysics, South Area, 6  
Institute of Geology and Mineral Exploration, 10  
Institute of Geology and Mineral Resources, 15  
Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry, 19  
Institute of Geology, CAGS, 5  
Institute of Geomechanics, CAGS, 5  
Institute of Geophysical and Geochemical Exploration, CAGS, 5  
Institute of Geophysics, 7, 20, 21, 25  
Institute of Geophysics and Engineering Seismology, 1  
Institute of Geosphere Dynamics, 18  
Institute of Hydrogeology and Engineering Geology Techniques, CAGS, 5  
Institute of Hydrogeology and Environmental Geology, CAGS, 5  
Institute of Karst Geology, CAGS, 5  
Institute of Lithosphere, 19  
Institute of Marine Geology and Geophysics, 21  
Institute of Metallurgy and Enrichment, 13  
Institute of Mineral Resources, CAGS, 5  
Institute of Mineralogy, 21  
Institute of Mineralogy and Petrography, 20  
Institute of Mining, 20, 21  
Institute of Oceanology, 3, 6  
Institute of Petroleum Exploration and Development, 7  
Institute of Petroleum Geology, 20  
Institute of Physics and Mechanics of Rocks, 13  
Institute of Precambrian Geology and Geochronology, 19  
Institute of Remote Sensing Applications, 6  
Institute of Rock and Mineral Analysis, CAGS, 5  
Institute of Rock and Solid Mechanics, 6  
Institute of Seismology, 6, 13  
Institute of Soil Science, 6  
Institute of Tectonics and Geophysics, 21  
Institute of the Earth's Crust, 20  
Institute of Uranium Geology, 7  
Institute of Volcanic Geology and Geochemistry, 21  
Institute of Volcanology, 21  
Instituto de Geofísica y Astronomía, 8  
Instituto de Geología, 8

- Instituto de Geología y Paleontología, 8  
 Instituto de Investigaciones en Geociencias, Minería y Química,  
 7  
 Instituto Español de Oceanografía, 22  
 Instituto Geográfico Nacional, "Ingeniero Alfredo Obiols  
 Gómez", 10  
 Instituto Geológico e Mineiro, 17  
 Instituto Geológico Minero y Metalúrgico, 17  
 Instituto Geológico y Minero de España, 22  
 Instituto Internazionale per le Ricerche Geotermiche, 12  
 Instituto Nacional de Investigación de las Ciencias Natu-  
 rales, 1  
 Instituto Nazionale di Geofisica e Vulcanologia, 12  
 Institutul Geologic al României, 17  
 International Centre for Training and Exchanges in the  
 Geosciences, 26  
 International Division, 4  
 International Geosphere-Biosphere Programme, 23  
 International Institute for Geo-Information Science and  
 Earth Observation, 15  
 International Institute of Earthquake Prediction Theory  
 and Mathematical Geophysics, 19  
 International Institute of Geothermal Research, 12  
 IPG, 20  
 IPKON, 18  
 Iran, 11  
 Iraq, 11  
 Ireland, 12  
 IRSA, 6  
 IRSM, 6  
 ISERST, 8  
 Israel, 12  
 Italy, 12  
 ITC, 15  
 IV, 21  
 IVGG, 21  
  
 Jamaica, 12  
 JAMSTEC, 12  
 Japan, 12  
 Japan Coast Guard, 12  
 Japan Marine Science and Technology Center, 12  
 Japan National Oil Corporation, 12  
 JNOC, 12  
 Jordan, 13  
  
 Karelian Research Centre, Institute of Geology, 19  
 Kazakhstan, 13  
 Kenya, 13  
 KIGAM, 13  
 Kiribati, 13  
 Kola Regional Seismological Centre, Geophysical Survey,  
 19  
 Kola Science Centre, Geological Institute, 19  
 Kola Science Centre, Mining Institute, 19  
 Kola Science Centre, Polar Geophysical Institute, 19  
 KORDI, 13  
 Korea Institute of Geoscience and Mineral Resources, 13  
 Korea Ocean Research and Development Institute, 13  
 Korea, Democratic People's Republic of, 13  
 Korea, Republic of, 13  
 KRSC, 19  
  
 KSC, 19  
 Kuwait, 13  
 Kuwait Institute for Scientific Research, 13  
 Kyrgyz Geological Survey, 13  
 Kyrgyz Republic, 13  
  
 Lands & Surveys Department, 2  
 Lands and Survey Department, 21  
 Lanzhou Institute of Geology, 6  
 Lao People's Democratic Republic, 13  
 LAPAN, 11  
 Latvia, 13  
 Legal Surveys Division and International Boundary Com-  
 mission, 4  
 Lembaga Penerbangan dan antariksa Nasional, 11  
 LEMIGAS, 11  
 Lesotho, 14  
 LGT, 14  
 Liberia, 14  
 Liberian Geological Survey, 14  
 Libya, 14  
 Lietuvos Geologijos Tarnyba, 14  
 LIPI, 11  
 Lithuania, 14  
 Logachev All-Russian Research Institute of Exploration  
 Geophysics, 18  
 Luxembourg, 14  
  
 Macedonia, 14  
 Madagascar, 14  
 MAFI, 10  
 Magyar Geológiai Szolgálat, 10  
 Malawi, 14  
 Malaysia, 14  
 Mali, 14  
 Malta, 14  
 Malta Environment & Planning Authority, 14  
 Mapping Services Branch, 3  
 MARENA, 16  
 Marine Geological Institute, 11  
 Marshall Islands, 14  
 Marshall Islands Marine Resources Authority, 14  
 Mauritania, 14  
 MEM, 1  
 Metal Mining Agency of Japan, 12  
 Meteorological Research Institute, 12  
 Mexico, 14  
 MGB, 17  
 MGD, 12  
 MGI, 11  
 MGSz, 10  
 Micronesia, Federated States of, 15  
 Mineral Resources Authority of Mongolia, 15  
 Mineral Resources Department, 9, 23  
 Minerals and Geoscience Department, 14  
 Minerals and Regional Geoscience Branch, 3  
 Mines and Geological Department, 13  
 Mines and Geology Division, 12  
 Mines and Geosciences Bureau, 17  
 Mines Informations, 4  
 Mining & Industry Unit, 26  
 Mining Institute, 21

## Index

- Mining Institute of the North, 20  
Ministère de l'Énergie et des Mines, 1, 15  
Ministère des Mines et de l'Énergie, 8  
Ministère des Mines et de l'Hydraulique, 16  
Ministère des Mines et de l'Industrie, 14  
Ministère des Mines et Ressources Hydrauliques, 23  
Ministère des Mines, de l'Énergie et du Pétrole, 9  
Ministère des Ressources Minières et Pétrolières, 7  
Ministère des Travaux Publics, des Mines et du Pétrole, 4  
Ministère du Commerce, de l'Industrie et de l'Artisanat, 21  
Ministerio de Comercio e Industria, 16  
Ministerio de Energía y Minas, 25  
Ministerio de Obras Públicas, 9  
Ministerio de Obras Públicas y Comunicaciones, 17  
Ministerio del Ambiente y Energía, 7  
Ministerio del Ambiente y los Recursos Naturales, 16  
Ministry of Environment and Natural Resources, 13  
Ministry of Agriculture, Natural Resources and Environment, 8  
Ministry of Coal and Mines, 11  
Ministry of Development, 3  
Ministry of Ecology and Natural Resources, 2  
Ministry of Energy & Mining, 23  
Ministry of Energy and Energy Industries, 23  
Ministry of Energy and Industry, 17  
Ministry of Energy and Mineral Resources, 9, 11  
Ministry of Energy and Mines, 3  
Ministry of Energy and Mining, 1  
Ministry of Energy, Mines & Minerals, 22  
Ministry of Environment and Waters, 3  
Ministry of Industry, 15  
Ministry of Industry and Handicrafts, 13  
Ministry of Industry, Energy and Mines, 14  
Ministry of Industry, Mines and Energy, 3  
Ministry of Land, Infrastructure and Transport, 12  
Ministry of Lands, Mines and Labour, 22  
Ministry of Lands, Survey and Natural Resources, 23  
Ministry of Metallurgical Industry, 7  
Ministry of Minerals and Water Resources, 22  
Ministry of Mines, 15, 25  
Ministry of Mines & Energy, 15  
Ministry of Mines and Industries, 1  
Ministry of Mining and Energy, 12  
Ministry of National Infrastructures, 12  
Ministry of Natural Resources, 14, 17  
Ministry of Natural Resources, Russian Academy of Sciences, 18  
Ministry of Natural Resources and Environment, 25  
Ministry of Natural Resources Development, 13  
Ministry of Natural Resources, Russian Academy of Sciences, 17, 18  
Ministry of Nuclear Industry, 7  
Ministry of Petroleum & Mineral Resources, 23  
Ministry of Petroleum and Mineral Resources, 22  
Ministry of Petroleum and Minerals, 16  
Ministry of Petroleum Industry, 7  
Ministry of the Environment, 8  
Ministry of Trade and Industry, 2  
MITPAN, 19  
MMAJ, 12  
Moden Tetkik ve Arama Genel Müdürlüğü, 24  
Moldova, 15  
Mongolia, 15  
Mongolian Academy of Sciences, 15  
Morocco, 15  
Mozambique, 15  
MRD, 23  
MTA, 24  
Museo Argentino de Ciencias Naturales B. Rivadavia, 1  
Museo Nacional Historia Natural, 8  
Myanmar, 15  
Namibia, 15  
NAMRIA, 17  
Nanjing Institute of Geology and Mineral Resources, 5  
Nanjing Institute of Geology and Palaeontology, 6  
NASA, 25  
NASDA, 12  
NASU, 24  
National Academy of Sciences, 13  
National Academy of Sciences of Ukraine, 24  
National Aeronautics and Space Administration, 25  
National Center for Seismological Researches, 8  
National Energy Authority, 10  
National Geological Library, 6  
National Geological Museum of China, 5  
National Geology and Mining Survey, 2  
National Geophysical Data Center, 24  
National Institute for Environmental Studies, 12  
National Institute of Aeronautics and Space, 11  
National Institute of Water and Atmospheric Research Ltd., 16  
National Mapping and Resource Information Authority, 17  
National Oceanic and Atmospheric Administration, 24  
National Research Institute for Earth Science and Disaster Prevention, 12  
National Space Development Agency of Japan, 12  
National Survey for Seismic Protection, 1  
Natural Resources Authority, 13  
Natural Resources Canada, 4  
NEDO, 12  
Nepal, 15  
Netherlands, 15  
Netherlands Institute of Applied Geoscience TNO, 15  
New Caledonia, 16  
New Energy and Industrial Technology Development Organization, 12  
New Zealand, 16  
NGDC, 24  
NGIC, 18  
NGU, 16  
Nicaragua, 16  
Niger, 16  
Nigeria, 16  
NIWA, 16  
NOAA, 24  
Nordic Volcanological Institute, 10  
Norges geologiske undersøkelse, 16  
North-Eastern Scientific Center, 21  
Norway, 16  
Norwegian Geotechnical Institute, 16  
Norwegian Petroleum Directorate, 16  
NRA, 13

- O.J.Schmidt United Institute of Earth Physics, 19  
 OBRGM, 2  
 ODPEM, 12  
 Office Beninois des Recherches Géologiques et Minières, 2  
 Office National de la Recherche Géologique et Minière, 1  
 Office National de Recherches et d'Exploitations Pétrolières, 15  
 Office National des Mines, 23  
 Office of Disaster Preparedness and Emergency Management, 12  
 Office of Geology, 15  
 Oil and Gas Research Institute, 19  
 Oman, 16  
 ONAREP, 15  
 ONDRAF/NIRAS, 2  
 ORGM, 1  
 Orkustofnun, 10
- Państwowy Instytut Geologiczny, 17  
 Pacific Institute of Geography, 21  
 Pacific Oceanological Institute, 21  
 Pakistan, 16  
 Panama, 16  
 Papua New Guinea, 16  
 Paraguay, 17  
 Peru, 17  
 PETRAD-International Program for Petroleum Management and Administration, 16  
 PETROVIETNAM, 25  
 Philippine Institute of Volcanology and Seismology, 17  
 Philippines, 17  
 Plymouth Marine Laboratory, 24  
 POI, 21  
 Poland, 17  
 Polar Continental Shelf Project, 4  
 Polish Geological Institute, 17  
 Portugal, 17  
 Proudman Oceanographic Laboratory, 24  
 Public Works Department, 22  
 Public Works Research Institute, 13
- Qatar, 17  
 Qingdao Institute of Marine Geology, 5
- RAS, 17–20  
 Research and Development Centre for Geotechnology, 11  
 Romania, 17  
 Royal Belgian Institute of Natural Sciences, 2  
 Royal Nepal Academy of Science & Technology, 15  
 Russia, 17  
 Russian Academy of Sciences, 17–20  
 Rwanda, 21
- Samoa, 21  
 Samoa Meteorology Division, 22  
 Saudi Arabia, 22  
 Saudi Geological Survey, 22  
 SB RAS, 20  
 SBSM, 7  
 SEAMIC, 26  
 Secretaria de Comercio y Fomento Industrial, 14  
 Secretaria de Energía y Minería, 1
- Secretaria de Estado de Industria y Comercio, Edificio Gubernamental, 8  
 Sedimentary and Marine Geoscience Branch, 3  
 SEGEMAR, 1  
 Seismological Coordination and Research-Engineering Centre, 19  
 Seismology Research Centre, 1  
 Senegal, 22  
 SERGEOMIN, 2  
 SERNAGEOMIN, 4  
 Serviço Geológico do Brasil, 2  
 Service des Mines et de l'Énergie, 16  
 Service Géologique du Luxembourg, 14  
 Servicio Geológico Minero Argentino, 1  
 Servicio Nacional de Geología y Minería, 2, 4  
 Servizio Geologico d'Italia, 12  
 SGU, 23  
 Shenyang Institute of Geology and Mineral Resources, 4  
 Siberian Branch of the Russian Academy of Sciences, 20  
 Siberian Institute of Geology, Geophysics and Mineral Resources, 18  
 Sierra Leone, 22  
 Singapore, 22  
 Slovak Republic, 22  
 Slovenia, 22  
 SNIIGGIMS, 18  
 SOA, 7  
 Solomon Islands, 22  
 Somalia, 22  
 SOPAC, 26  
 South Africa, 22  
 South Pacific Applied Geoscience Commission, 26  
 Southern and Eastern Africa Mineral Centre, 26  
 Spain, 22  
 Spanish Institute of Oceanography, 22  
 Sri Lanka, 22  
 St-Peterburg State Institute of Mining, Laboratory of Hydrogeology and Mining Technologies on Nature Protection, 19  
 Státny Geologický ústav Dionýza Stúra, 22  
 State Academy of Sciences, 13  
 State Administration of Coal Industry, 7  
 State Agency on Geology and Mineral Resources, 13  
 State Bureau of Surveying and Mapping, 7  
 State Committee for Geology and Mineral Resources, 25  
 State Department of Geology of Georgia, 9  
 State Establishment of Geological Survey and Mining, 11  
 State Geological Survey of Latvia, 13  
 State Oceanic Administration, 7  
 Sudan, 23  
 Suriname, 23  
 Survey Department, 3  
 Sveriges Geologisk Undersökning, 23  
 Swaziland, 23  
 Sweden, 23  
 Swiss National Hydrological and Geological Survey, 23  
 Switzerland, 23  
 Syria, 23
- Türkiye Petrolleri Anonim Ortaklığı, 24  
 Taiwan, 23  
 Tanzania, 23

## Index

- Thailand, 23  
The Belgian Agency for Radioactive Waste and Enriched Fissile Materials, 2  
The National Coordination Agency for Survey and Mapping, 11  
The National Mining Research Center - A.A. Skochinsky Institute of Mining, 19  
The Royal Swedish Academy of Sciences, 23  
The World Bank, 26  
Tianjin Institute of Geology and Mineral Resources, 4  
Togo, 23  
Tonga, 23  
TPAO, 24  
Trinidad and Tobago, 23  
Trofimuk United Institute of Geology, Geophysics and Mineralogy, 20  
TSNIGRI, 17  
Tunisia, 23  
Turkey, 24  
Turkish Petroleum Company, 24  
  
U. S. Geological Survey, 24  
U. S. Geological Survey, Central Region, 24  
U. S. Geological Survey, Eastern Region, 24  
U. S. Geological Survey, International Programs, 24  
U. S. Geological Survey, Western Region, 24  
UB RAS, 21  
Ufa Scientific Centre, Institute of Geology, 19  
Uganda, 24  
UIGGM, 20  
UIPE, 19  
Ukraine, 24  
Ukrainian State Committee on Geology and Utilization of Mineral Resources, 24  
UNESCO, 26  
United Kingdom, 24  
United States of America, 24  
Ural Branch of the Russian Academy of Sciences, 21  
Uruguay, 25  
USGS, 24  
Uzbekistan, 25  
  
V.I. Vernadskii State Geological Museum, 20  
V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry, 20  
Vanuatu, 25  
Venezuela, 25  
VIEMS, 18  
Vietnam, 25  
Vietnam Oil & Gas Corporation, 25  
VIMS, 17  
Vinogradov Institute of Geochemistry, 20  
VIRG-Rudgeofizika, 18  
VNIGNI, 19  
VNIGRI, 18  
VNIIGeofizika, 18  
VNIIGeosistem, 17  
VNIIOkeangeologia, 18  
VNIITSVEMET, 13  
VSEGEI, 18  
VSEGINGEO, 17  
VSI, 11  
  
Xi'an Branch, 7  
Xian Institute of Geology and Mineral Resources, 5  
  
Yakut Institute of Geological Sciences, 20  
Yemen, 25  
Yichang Institute of Geology and Mineral Resources, 5  
Yugoslavia, 25  
  
Zambia, 25  
Zhengzhou Institute of Multipurpose Utilization of Mineral Resources, CAGS, 5  
Zimbabwe, 25  
Zimbabwe Geological Survey, 25