



IUGG/UGGI 2002



Annuaire U.G.G.I. Janvier 2002

Published by Secretary General
J. A. Joselyn

I.U.G.G. Yearbook January 2002

Dr. Jo Ann JOSELYN
IUGG Secretary General
CIRES Campus Box 216
University of Colorado
US-Boulder, CO 80309-0216
USA
Telephone: (1) 303 497 5147
Fax: (1) 303 497 3645
E-mail: jjoselyn@cires.colorado.edu

Web site: <http://www.IUGG.org>

\$30.00 USD

**UNION GÉODÉSIQUE ET GÉOPHYSIQUE INTERNATIONALE
INTERNATIONAL UNION GEODESY AND GEOPHYSICS**

N° ISSN : 1028-3846

Janvier 2002

**Annuaire U.G.G.I.
Janvier 2002**

**Published by Secretary General
J.A. Joselyn**

**I.U.G.G. Yearbook
January 2002**

**Union Géodésique et Géophysique Internationale
International Union Geodesy and Geophysics**

No ISSN: 1028-3846

Avec les compliments du secrétariat de l'UGGI

L'Annuaire de l'UGGI est destiné à constituer le répertoire des membres, des structures administratives et des responsables de l'UGGI et de ses corps constituants. Il comprend aussi quelques données historiques, particulièrement en ce qui concerne les anciens responsables et les anciennes assemblées.

La préparation de l'Annuaire 2002 de l'UGGI a débuté en septembre dernier, lorsque nous avons commencé à adresser lettres et messages aux Associations et aux Comités nationaux, en leur demandant des mises à jour. Les perturbations des services postaux du monde entier qui ont suivi les événements du 11 septembre 2001 ont retardé le retour d'information, et nous vous prions de nous excuser pour les données manquantes ou inexactes. Nous sommes reconnaissants aux Comités nationaux et aux Secrétaires généraux des Associations pour nous avoir fourni les informations les plus récentes, qui sont changeantes par nature.

Avec cette édition de l'Annuaire de l'UGGI, nous faisons un nouveau pas vers une base de données dynamique des informations sur l'UGGI disponible à chaque instant sur la toile [<http://www.IUGG.org>]. Bientôt, il ne sera plus nécessaire de répéter les données historiques déjà affichées, et nous pourrions être plus efficaces dans notre ambition de favoriser la communication entre toutes nos unités de travail. Vos suggestions concernant les informations qui pourraient être introduites ou qui auraient pu être omises seront toujours les bienvenues. Tout particulièrement nous vous demandons instamment de nous signaler tout changement d'adresse. Faites en part au secrétariat de l'UGGI (par courrier électronique à l'adresse sg@iugg.org ou par télécopie au 1 303 497 3645) dès que possible.

Nous voudrions enfin remercier PWT Communications, et tout particulièrement Patricia Weis-Taylor et Becky Campbell-Howe, pour le difficile travail qu'elles ont accompli en mettant à jour la base de données, en modifiant la présentation de l'Annuaire, en acceptant toutes les corrections et en préparant la version définitive. Ce n'était pas une tâche aisée.

Tous nos vœux pour une heureuse nouvelle année!

Tamara Palmer, Assistante de la Secrétaire générale
Jo Ann Joselyn, Secrétaire générale

Greetings from the IUGG Secretariat

The IUGG Yearbook is intended to be a directory of the membership, administrative structures and officers of IUGG and its component parts. It also includes some historical material, especially regarding past officers and past Assemblies.

Preparations for the 2002 IUGG Yearbook began last September, when we began to send letters and messages to the Associations and Adhering Body National Committees, seeking updates. Disruptions to postal services worldwide following the events of September 11, 2001, have delayed receipt of information, and we apologize for missing or incorrect entries. We are grateful to the National Committees and Association Secretaries-General for their work to supply the latest information, which inevitably changes often.

With this edition of the IUGG Yearbook, we are moving ever closer to a dynamic data base of IUGG Information always available on the IUGG web site [<http://www.IUGG.org>]. Soon, it will not be necessary to repeat the historical information already posted, and we can be more efficient in our objective to promote communication among our working components. We welcome your suggestions on material that could be included, or could be omitted. And most especially, we solicit your address changes. Please send them to the IUGG Secretariat (sg@iugg.org or fax 1 303 497 3645) as soon as possible.

Finally, we wish to thank PWT Communications, especially Patricia Weis-Taylor and Becky Campbell-Howe, for their hard work to devise the IUGG data base, revise the Yearbook format, accept revisions, and prepare the final copy. It is not a trivial task.

Best Wishes for a Happy New Year!

Tamara Palmer, Assistant Secretary General
Jo Ann Joselyn, IUGG Secretary General

TABLE OF CONTENTS

TABLE DES MATIÈRES

YEAR 2001

I. International Union of Geodesy and Geophysics Union Géodésique et Géophysique Internationale	6
Table of Member Adhering Bodies	18
Table of Regional Distribution of Members	21
Table of General Assemblies	21
Current Officials of IUGG	22
IUGG Liaison Officers and Representatives	23
Past Officers of IUGG and Associations Since 1919	25
Inter Association Committees and Commissions	28
II. International Associations Associations Internationale	31
Table of Scientific Assemblies	32
III. International Association Of Geodesy (IAG); Association Internationale De Géodésie (AIG)	34
IV. International Association of Geomagnetism and Aeronomy (IAGA) Association Internationale de Géomagnétisme et d'Aéronomie (AIGA)	40
V. International Association of Hydrological Sciences (IAHS) Association Internationale des Sciences Hydrologiques (AISH)	45
VI. International Association of Meteorology and Atmospheric Sciences (IAMAS) Association Internationale de Météorologie et des Sciences de l'Atmosphère (AIMSA)	48
VII. International Association of the Physical Sciences of the Ocean (IAPSO) Association Internationale des Sciences Physiques de l'Océan (AISPO)	51
VIII. International Association of Seismology and Physics of the Earth's Interior (IASPEI) Association Internationale de Séismologie et de Physique de l'Intérieur de la Terre (AISPIT)	53

IX. International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) Association Internationale de Volcanologie et de Chimie de l'Intérieur de la Terre (AIVCIT)	58
X. National Committees Comités Nationaux	61
XI. Addresses Adresses	95
XII. Definitions of Acronyms	211

I. UNION GÉODÉSIQUE ET GÉOPHYSIQUE INTERNATIONALE (U.G.G.I.)

HISTORIQUE

L'Union Géodésique et Géophysique Internationale (U.G.G.I.) est un organisme international non gouvernemental à but non lucratif fondé à Bruxelles le 28 juillet 1919. L'U.G.G.I. se consacre à l'étude scientifique de la Terre et à l'utilisation au profit de la société des connaissances acquises grâce à cette étude. L'U.G.G.I. est l'une des trois Unions scientifiques ayant participé en 1931 à l'Assemblée constitutive du Conseil International des Recherches, connu aujourd'hui sous le nom de Conseil international pour la science (C.I.U.S.). Le C.I.U.S. est un forum planétaire des scientifiques. Il leur permet d'échanger des idées et des informations, et de définir des méthodes et procédures normalisées dans tous les domaines de recherche. L'U.G.G.I., l'une des 25 Unions scientifiques actuellement réunies dans le C.I.U.S., fournit son savoir-faire concernant les études terrestres effectuées par les chercheurs dans ses Associations internationales et Commissions inter-associations.

Les neuf premiers pays membres de l'U.G.G.I. étaient l'Australie, la Belgique, le Canada, la France, l'Italie, le Japon, le Portugal, le Royaume-Uni et les États-Unis. En 1925, l'U.G.G.I. comptait 31 pays membres. En 2001, elle en compte 66.

Au début, l'Union chapeautait six sections : Géodésie, Séismologie, Météorologie, Magnétisme et électricité terrestre, Océanographie physique et Volcanologie. Une septième section, « Hydrologie Scientifique », fut créée en 1922. Le terme « Section » a été remplacé par celui d'« Association » lors de la cinquième Assemblée générale tenue à Lisbonne, en 1933. En 2001, l'U.G.G.I. compte sept Associations internationales semi-autonomes.

Les langues officielles de l'U.G.G.I. sont l'anglais et le français.

I. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS (I.U.G.G.)

BACKGROUND

The International Union of Geodesy and Geophysics (IUGG) is an international, non-governmental, non-profit organisation established in Brussels on July 28, 1919. IUGG is dedicated to the scientific study of the Earth and the application of knowledge gained by such studies to benefit society. IUGG was one of the first three Scientific Unions established during the Constitutive Assembly of the International Research Council, the predecessor of the International Council of Scientific Unions (ICSU) created in 1931. ICSU provides a global forum for scientists to exchange ideas and information and to develop standard methods and procedures for all fields of research. IUGG, one of the 25 scientific Unions presently grouped within ICSU, brings expertise on Earth studies from researchers in its International Associations and Inter-Association Commissions.

The first nine member countries of IUGG were Australia, Belgium, Canada, France, Italy, Japan, Portugal, the United Kingdom, and the United States. By 1925, there were 31 Member Countries, and in 2001, IUGG had 66 member countries.

The original Union encompassed six Sections: Geodesy, Seismology, Meteorology, Magnetism and Terrestrial Electricity, Physical Oceanography, and Volcanology. A seventh section "Scientific Hydrology" was created in 1922. The term "Section" was replaced by "Association" at the 5th General Assembly held in Lisbon in 1933. In 2001, there were seven semi-autonomous International Associations within IUGG.

The official languages of IUGG are English and French.

OBJECTIFS ET ACTIVITÉS DE L'U.G.G.I.

L'U.G.G.I. est une organisation purement scientifique, qui a été fondée afin de promouvoir et de coordonner les études sur les propriétés physiques, chimiques et mathématiques de la Terre et sur son environnement spatial. Ces études concernent la forme de la Terre; la nature de ses champs gravitationnel et magnétique; la dynamique de la Terre en tant qu'entité et de celle de ses composants; la structure interne, la composition et la tectonique de la Terre; la formation des magmas; la volcanologie et la genèse des roches; le cycle hydrologique, dont la neige et la glace; la physique et la chimie des océans; l'atmosphère, l'ionosphère, la magnétosphère et les relations Soleil-Terre; ainsi que les problèmes analogues propres à la Lune et aux autres planètes. Les activités de l'U.G.G.I. comprennent l'observation de la Terre par satellite et par d'autres techniques de mise en place d'instruments à haute altitude.

Programmes de recherche interdisciplinaire

L'U.G.G.I. a inauguré et activement soutenu les efforts de collaboration qui ont permis de mettre en œuvre des programmes de recherche interdisciplinaire internationaux de grande valeur, dont l'Année géophysique internationale (1957-1958), le Projet du manteau supérieur (1964-1970), le Projet géodynamique (1972-1979), le Programme international de recherche atmosphérique (1967-1980), le Programme international d'étude de la lithosphère (1981-), le Programme mondial de recherches climatiques, le Programme Géosphère-Biosphère et la Décennie internationale de prévention des catastrophes naturelles. Ces programmes ont servi de modèle de coopération internationale et interdisciplinaire. L'une des contributions majeures de l'U.G.G.I. a été la création, par l'entremise du C.I.U.S., du système de la Banque de données mondiale, qui a fourni aux chercheurs du monde entier l'information recueillie dans le cadre de ces grands programmes et de la mettre à la disposition des chercheurs du monde entier.

Recherche internationale en coopération

L'U.G.G.I. collabore avec U.N.E.S.C.O. à l'étude des catastrophes naturelles. Elle attache aussi une grande importance aux problèmes scientifiques des pays en voie de développement, en parrainant des activités liées aux besoins scientifiques du tiers monde (par exemple, Géodésie en Afrique, Ressources hydrauliques, etc.). L'U.G.G.I. co-parraine également la Fédération des Services d'analyse des données astronomiques et géodésiques (FAGS). Elle est un partenaire d'autres Unions du CIUS, par le biais des Commissions inter-unions.

OBJECTIVES AND ACTIVITIES OF IUGG

IUGG is a purely scientific organisation established to promote and co-ordinate studies of physical, chemical, and mathematical properties of the Earth and its environment in space. These studies include the shape of the Earth; the nature of its gravitational and magnetic fields; the dynamics of the Earth as a whole and of its component parts; the Earth's internal structure, composition, and tectonics; the generation of magmas; volcanism and rock formation; the hydrological cycle including snow and ice; the physics and chemistry of the oceans; the atmosphere, ionosphere, magnetosphere and solar-terrestrial relations; and analogous problems associated with the Moon and other planets. IUGG activities embrace studies of the Earth by artificial satellites and other techniques for deploying instruments at high altitude.

Interdisciplinary Research Programmes

IUGG has initiated and vigorously supported collaborative efforts that have led to highly productive world-wide interdisciplinary research programmes, such as the International Geophysical Year (1957-58), the Upper Mantle Project (1964-70), the Geodynamics Project (1972-79), the Global Atmospheric Research Programme (1967-80), the International Lithosphere Programme (1981-), the World Climate Research Programme, the Geosphere- Biosphere Programme and the International Decade for Natural Disaster Reduction. These programmes have set a model for international, interdisciplinary co-operation. One major contribution has been the creation, through ICSU, of the World Data Centre system, from which the data gathered during these major programmes are available to research workers everywhere.

Worldwide Co-operative Research

IUGG co-operates with UNESCO in the study of natural catastrophes. It also gives particular emphasis to the scientific problems of Developing Countries by sponsoring activities relevant to the scientific needs of the Third World (e.g. Geodesy in Africa, Water Resources, etc.). IUGG also co-sponsors the Federation of Astronomical and Geophysical Data Analysis Services (FAGS) and is a partner with other Unions of ICSU in inter-Union Commissions.

STRUCTURE

De par leur nature même, les études géodésiques et géophysiques requièrent une importante coopération internationale, de même qu'une coordination efficace. L'U.G.G.I., heureusement, compte 66 pays membres (Tableau 1). Les pays membres sont répartis dans le monde entier, comme le montre le Tableau 2.

Comités nationaux

La grande majorité des pays membres participent aux activités de l'U.G.G.I. à travers leur Comité National de l'U.G.G.I., mis en place par l'Académie nationale ou une autre institution officielle du pays adhérant à l'Union (il existe d'autres méthodes d'adhésion). Chaque Comité national de l'U.G.G.I. est représenté aux Assemblées Générales de l'U.G.G.I. par un délégué nommé par l'entité adhérente.

Assemblées générales

Les Assemblées générales de l'U.G.G.I. ont lieu tous les quatre ans et elles utilisent la numérotation romaine. La prochaine Assemblée générale de l'U.G.G.I. sera la XXIII^e (23^e). Elle se tiendra à Sapporo, au Japon, en 2003. L'U.G.G.I. tient des Assemblées Générales depuis 1922. Depuis 1963, elles ont lieu tous les quatre ans. Le Tableau n 3 indique les années et les localisations des Assemblées générales de l'U.G.G.I.

Au cours de ces Assemblées générales, on adopte les politiques régissant l'U.G.G.I. et on définit et coordonne les programmes nécessitant une participation internationale. De plus, on élabore les plans d'exécution de ces programmes de recherche. Les résultats scientifiques des programmes en cours font l'objet de discussions lors d'un grand nombre de symposiums, de réunions de commissions, de groupes de travail ou de rencontres réunissant les scientifiques assistant aux Assemblées.

Le Conseil, le Bureau et les Comités de l'U.G.G.I.

L'U.G.G.I. est dirigée par le Conseil de l'U.G.G.I., lequel est régi par les statuts et le règlement intérieur de l'Union. Le Conseil de l'U.G.G.I. est composé des délégués accrédités des pays membres. Le Conseil de l'U.G.G.I. se réunit lors de l'Assemblée Générale de l'U.G.G.I., où il est procédé à l'élection des membres du Bureau de l'U.G.G.I. et du Comité des finances de l'U.G.G.I.. Les membres du Conseil de l'U.G.G.I. qui ont assistés à la XXII^e Assemblée Générale, en 1999, seront présentés ci-dessous.

Le Bureau de l'U.G.G.I. traite des affaires administratives entre les rencontres du Conseil. Ses membres, élus par le Conseil, sont au nombre de sept – quatre responsables (Président, Vice-président, Secrétaire général et Trésorier) et trois membres associés. Les membres du Bureau doivent provenir de pays membres dont les cotisations sont à jour.

STRUCTURE

By their very nature, geodetic and geophysical studies require a high degree of international co-operation as well as effective central co-ordination. IUGG is fortunate in having 66 Member Adhering Bodies (Table 1). The Members are distributed throughout the world as shown in Table 2.

National Committees

The great majority of Member Countries participate through IUGG National Committees set up by the national academy or another body in their country that adheres to the Union (other methods of adherence do occur). Each IUGG National Committee is represented at the IUGG General Assemblies by a Delegate appointed by its Adhering Body.

General Assemblies

IUGG General Assemblies are held every four years and are numbered with Roman numerals. The next IUGG General Assembly will be number XXIII (23rd) in Sapporo, Japan, in 2003. IUGG General Assemblies have been held since 1922. Since 1963, they are held every four years. Table 3 lists the years and locations of IUGG General Assemblies.

During these General Assemblies, policies governing IUGG are adopted, research programmes requiring international participation are formulated and coordinated. In addition, plans are drawn for the execution of research programmes. The scientific results of programmes in progress are discussed at the numerous Symposia, Commission and Working Group meetings, and other gatherings of scientists that are convened during these assemblies.

The IUGG Council, Bureau, and Committees

IUGG's affairs are directed by the IUGG Council governed by the Statutes and By-laws of the Union. The IUGG Council is composed of one credentialed delegate from each Member Country. The IUGG Council meets during the IUGG General Assembly and elects the IUGG Bureau and the IUGG Finance Committee. The IUGG Council delegates attending the 22nd General Assembly in 1999 are listed below.

The IUGG Bureau handles administrative affairs between Council meetings. It is elected by the Council and consists of seven members - four officers (President, Vice President, Secretary-General, and Treasurer) and three members at large. Bureau members must represent countries with dues paid in full.

Le Comité directeur de l'U.G.G.I. travaille en vue d'atteindre les objectifs scientifiques de l'Union et des Associations internationales grâce à une coordination et une définition efficace des politiques générales. Il regroupe les membres du Bureau de l'U.G.G.I., le président sortant de l'Union et les présidents des Associations internationales.

Le Comité des finances de l'U.G.G.I. traite des affaires budgétaires avec le Trésorier de l'U.G.G.I.. Il regroupe cinq personnes élues par le Conseil de l'U.G.G.I.. Les membres du Comité des finances ne peuvent être membres ni du Bureau de l'U.G.G.I., ni du Comité directeur de l'U.G.G.I..

Les Associations internationales

Les sept Associations internationales semi-autonomes de l'U.G.G.I. assument, chacune, les responsabilités relatives à une série de sujets ou de thèmes spécifiques, relevant des activités générales de l'Union. Chaque Association possède sa propre sous-structure, comme il sera expliqué ci-dessous. Les Associations internationales définissent des normes de recherche et conviennent de définitions et d'algorithmes, tels que le *Manual of Seismological Observatory Practice* ou le *Guide for Magnetic Repeat Station Surveys*. Pour les sujets importants les résolutions doivent être adoptées à l'unanimité. Ils transmettent dans le cadre de leur mission éducative les résultats de leurs recherches à la communauté scientifique internationale, aux agences gouvernementales, aux entreprises et au grand public. Les sept Associations internationales sont les suivantes :

Association Internationale de Géodésie (AIG)
International Association of Geodesy (IAG)

Association Internationale de Géomagnétisme et d'Aéronomie (AIGA)
International Association of Geomagnetism and Aeronomy (IAGA)

Association Internationale des Sciences Hydrologiques (AISH)
International Association of Hydrological Sciences (IAHS)

Association Internationale de Météorologie et des Sciences de l'Atmosphère (AIMSA)
International Association of Meteorology and Atmospheric Sciences (IAMAS)

Association Internationale des Sciences Physiques de l'Océan (AISPO)
International Association of the Physical Sciences of the Ocean (IAPSO)

Association Internationale de Séismologie et de Physique de l'Intérieur de la Terre (AISPIT)
International Association of Seismology and Physics of the Earth's Interior (IASPEI)

Association Internationale de Volcanologie et de Chimie de l'intérieur de la Terre (AIVCIT)
International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)

The IUGG Executive Committee works to further the scientific objectives of the Union and International Associations by effective co-ordination and formulation of general policies. It consists of the IUGG Bureau, the retiring president of the Union, and the Presidents of the International Associations.

The IUGG Finance Committee interacts with the IUGG Treasurer regarding budgetary matters. It consists of five persons elected by the IUGG Council. The members of the Finance Committee are not members of the IUGG Bureau or the IUGG Executive Committee.

The International Associations

The seven semi-autonomous International Associations within IUGG are each responsible for a specific range of topics or themes within the overall scope of the Union's activities. Each has a sub-structure as discussed below. The International Associations work to set standards for research and agree on definitions and algorithms, such as the Manual of Seismological Observatory Practice or the Guide for Magnetic Repeat Station Surveys. Participants pass resolutions on important issues where all agree. They make research visible to the international scientific community, to governmental agencies, to industry, and to the general public through their education activities. These seven International Associations are as follows.

International Association of Geodesy (IAG)
Association Internationale de Géodésie (AIG)

International Association of Geomagnetism and Aeronomy (IAGA)
Association Internationale de Géomagnétisme et d'Aéronomie (AIGA)

International Association of Hydrological Sciences (IAHS)
Association Internationale des Sciences Hydrologiques (AISH)

International Association of Meteorology and Atmospheric Sciences (IAMAS)
Association Internationale de Météorologie et des Sciences de l'Atmosphère (AIMSA)

International Association of the Physical Sciences of the Ocean (IAPSO)
Association Internationale des Sciences Physiques de l'Océan (AISPO)

International Association of Seismology and Physics of the Earth's Interior (IASPEI)
Association Internationale de Séismologie et de Physique de l'Intérieur de la Terre (AISPIT)

International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) Association Internationale de Volcanologie et de Chimie de l'Intérieur de la Terre (AIVCIT)

Les Associations internationales jouent également un rôle particulier en faisant bénéficier tous les pays du monde des dernières avancées scientifiques, grâce à des rencontres, des ateliers et des assemblées. Les Associations internationales tiennent leurs propres Assemblées scientifiques tous les quatre ans environ, généralement deux ans avant la tenue de l'Assemblée générale de l'U.G.G.I.. En 2001, six des sept Associations internationales ont tenu une Assemblée scientifique, la dernière ayant tenu son assemblée à la fin de 2000. Lors des Assemblées scientifiques, les Associations internationales parrainent des symposiums sur des sujets particuliers, souvent en partenariat.

Les géodésiens et les géophysiciens de tous les pays du monde sont invités à participer aux nombreux symposiums et ateliers des Associations internationales et des Assemblées générales de l'U.G.G.I.. Lors de ces rencontres, les scientifiques ont l'occasion de discuter de leurs méthodologies, résultats et hypothèses respectifs, et de planifier des projets de recherche en collaboration.

Les symposiums ont vocation à s'adresser tout particulièrement aux jeunes scientifiques des pays en voie de développement. L'U.G.G.I. a prévu un budget particulier pour assurer leur participation aux symposiums organisés sous l'égide de l'Union et de ses Associations.

Comme l'U.G.G.I., les Associations internationales sont gérées par un Bureau et un Comité directeur, dont les membres sont élus pendant leurs Assemblées générales. Dans son domaine respectif, chaque Association est responsable de la définition de son propre programme et de soutenir les activités de ses propres composantes.

Commissions et Comités inter-associations

En raison de la nature interdisciplinaire des domaines traités par les Associations internationales, trois Commissions inter-associations ont été créées pour assister l'Union et la communauté géophysique internationale par la promotion de l'étude de problèmes interdisciplinaires particuliers. Ces organisations sont habilitées par le Comité directeur de l'U.G.G.I. à mener des recherches conjointes entre les Associations. Les commissions inter-associations font l'objet d'un examen et d'un remaniement lors de chaque Assemblée générale de l'U.G.G.I.. En 2001, les trois Commissions ci-dessous étaient actives :

- Géophysique mathématique; Mathematical Geophysics (CMG)
- Étude des profondeurs terrestres; Study of the Earth's Deep Interior (SEDI)
- Commission sur les risques géophysiques et le développement durable; Geophysical Risk and Sustainability (GEORISK)

En outre, deux ou plusieurs Associations internationales peuvent créer et soutenir des groupes de travail conjoints chargés de sujets scientifiques spécifiques.

Par l'entremise de l'U.G.G.I., des représentants d'une Association internationale participent à la direction de projets interdisciplinaires internationaux comme le *ICSU Scientific Committee on the Lithosphere / International Lithosphere Program (SCL/ILP)*. La structure et les représentants de ces projets particuliers seront présentés ci-dessous.

The International Associations also play a special role in bringing state-of-the-art science to all the countries of the world through meetings, workshops, and assemblies. The International Associations convene their own Scientific Assemblies approximately every four years, generally two years following the IUGG General Assembly. In 2001, six of the seven International Associations held scientific assemblies. The other held a scientific assembly at the end of 2000. At Scientific Assemblies the International Associations sponsor Symposia on a particular topic, often in partnership with one another.

Geodesists and geophysicists from all countries of the world are encouraged to attend the numerous Symposia and Workshops of the International Associations and the General Assemblies of IUGG. At these meetings scientists have the opportunity to discuss their respective methodologies, results, and hypotheses and to plan collaborative research projects.

The Symposia are intended to be particularly helpful to younger scientists from developing countries of the world. The IUGG has made special financial provision for them to participate in the Symposia organised under the aegis of the Union and its Associations.

Like IUGG, International Associations, are managed by a Bureau and Executive Committee whose members are elected during their General Assemblies. Within its own discipline each Association is responsible for determining its own programme of investigations and for supporting the activities of its own component parts.

Inter-Association Commissions and Committees

Owing to the interactive nature of the subject fields managed by the International Associations, three Inter-Association Commissions have been established which serve the Union and the international geophysical community by promoting the study of particular interdisciplinary problems. These bodies are chartered by the IUGG Executive Committee to conduct inter-association science. Inter-association commissions are reviewed and renewed at each IUGG General Assembly. In 2001 the following three Commissions were active.

- Mathematical Geophysics (CMG) ; Géophysique mathématique
- Study of the Earth's Deep Interior (SEDI) ; Etude de l'Intérieur profond de la terre
- Geophysical Risk and Sustainability (GEORISK) ; Commission sur les risques géophysiques et développement durable

In addition, two or more International Associations may set up and support joint working groups to address specific scientific topics.

Through IUGG, International Association representatives help direct worldwide interdisciplinary projects such as the ICSU Scientific Committee on the Lithosphere International Lithosphere Program (SCL/ILP). The structure and officers of these special projects are listed below.

FINANCES

L'U.G.G.I. collecte les cotisations annuelles pour financer les projets scientifiques inter-unions, les initiatives inter-associations et les activités administratives de l'U.G.G.I., y compris les publications de l'U.G.G.I.. La moitié du revenu net de l'U.G.G.I. pour l'exercice précédent est remis aux Associations internationales qui peuvent décider de l'utilisation de ces fonds.

Le revenu de l'Union provient des contributions annuelles des pays membres. Les pays membres ont le choix entre le statut de membre régulier ou de membre associé (ne payant pas de cotisation). Les pays membres peuvent envoyer un délégué aux rencontres quadriennales du Conseil de l'U.G.G.I. et voter sur les affaires administratives. Les scientifiques des pays membres peuvent occuper un poste de responsabilité dans les Associations internationales et ils ont un droit de vote lors des séances de travail. Les membres associés ne versent pas de cotisation, n'ont pas de droit de vote et leurs scientifiques ne peuvent pas occuper de poste de responsabilité. Les scientifiques des pays membres associés sont toutefois les bienvenus aux activités scientifiques et sociales tenues lors de toutes les rencontres de l'U.G.G.I. et des Associations internationales. Les données scientifiques collectées et les recherches effectuées par les pays membres associées sont prises en considération par les autres scientifiques, et nombreuses sont les occasions de rencontres et de collaboration avec d'autres participants de l'U.G.G.I.. Si la situation économique d'un pays ne lui permet pas l'adhésion de plein droit à l'U.G.G.I., le statut de membre associé peut être une étape vers l'adhésion de plein droit.

Les cotisations qu'un pays membre régulier paye sont calculées selon un barème (en fonction de la 'catégorie - Table 1') défini par le Comité des finances de l'U.G.G.I.. Les catégories reflètent la situation économique du pays et à sa participation aux Assemblées Générales de l'U.G.G.I.. Les détails figurent dans le titre III des statuts et le titre III du règlement intérieur de l'U.G.G.I.. Chaque catégorie correspond à un nombre d'unités permettant de calculer la cotisation. En 2001 la valeur d'une unité de cotisation était de 1.400 dollars. Le Comité des finances utilise un algorithme pour déterminer le montant de l'unité. Le Comité des finances examine également la catégorie d'adhésion de chaque pays membre au moins une fois tous les quatre ans.

Tout défaut de paiement d'une cotisation par un pays entraîne son passage dans une catégorie particulière de membres sans droit de vote, dits « observateurs ». Le défaut prolongé de paiement des cotisations peut entraîner l'expulsion d'un pays de l'U.G.G.I..

FINANCES

IUGG collects annual contributions to carry out its support for Inter-union science, Inter-association initiatives, and IUGG administration, including IUGG publications. One half of IUGG's net income from the previous year is passed to the International Associations to use as they see fit.

The income of the Union comes from annual contributions of the Members. Member Adhering Bodies can choose to be regular paying Members or Associate (non-paying) Members. Members may send a delegate to quadrennial meetings of the IUGG Council and vote on matters of business. Scientists from regular Members may hold office in the International Associations and vote at their business meetings. Associate Members pay no contributions, have no voting rights, and their scientists may not hold offices. However, scientists from Associate Member countries are welcome to attend all scientific and social activities at all IUGG and International Association meetings. The scientific data collected and research performed within Associate Member countries is valued by other scientists and the opportunities for networking and collaboration with other IUGG participants are abundant. Associate Membership can be a first step toward regular membership, if a country's economic condition does not currently permit the payment of annual dues.

A regular Member Adhering Body pays dues according to a scale ("the category number - See Table 1") established by the IUGG Finance Committee. Categories are related to the economic condition of the country and its participation in IUGG General Assemblies. Details are specified in Statute III and by-Law III of IUGG. Each category has an associated number of Units used to determine the dues to be paid. The value of a single Unit of membership in 2001 was \$1,400. The Finance Committee uses an algorithm to determine the price of a Unit. The Finance Committee also reviews the category of membership for each Member Adhering Body at least every four years.

Failure to pay fees in a timely manner places a country into a special class of non-voting membership known as "observers." Continued failure to pay fees is grounds for expulsion from IUGG.

Table 1: Member Adhering Bodies of IUGG

Category A denotes Associate Membership as defined by the IUGG Statutes and By Laws adopted at the XXII IUGG General Assembly in Birmingham, U.K., 1999.

MEMBERS	Dates of ADMISSION & TERMINATION	CATEGORY	UNITS
ALBANIA	1997	A	0
ALGERIA	1971	1	1
ARGENTINA	1927	4	5
ARMENIA	2000	A	0
AUSTRALIA	1919	5	7
AUSTRIA	1948	3	3
BELGIUM	1919	4	5
<i>BOLIVIA</i>	<i>1960-2000</i>		
BRAZIL	1922	3	3
BULGARIA	1930	1	1
<i>BURUNDI</i>	<i>1987-1995</i>		
CANADA	1919	6	10
CHILE	1924	2	2
CHINA	1977	6	10
COLOMBIA	1938-1971, 2000	1	1
CROATIA	1992	1	1
<i>CUBA</i>	<i>1960-1996</i>		
CZECH REPUBLIC	1993	2	2
<i>CZECHOSLOVAKIA</i>	<i>1924-1993</i>		
DENMARK	1923	4	5
<i>DOMINICAN REP.</i>	<i>1957-1971</i>		
EGYPT	1924	2	2
ESTONIA	1991	1	1
<i>ETHIOPIA</i>	<i>1952-2000</i>		
FEDERAL REPUBLIC OF YUGOSLAVIA	1996	1	1
FINLAND	1927	3	3
FRANCE	1919	8	20
<i>GERMANY /DEM.REP./</i>	<i>1964-1990</i>		
GERMANY F.R.	1951	8	20
<i>GHANA</i>	<i>1957-1987</i>		
GREECE	1922	3	3
<i>GUATEMALA</i>	<i>1957-2000</i>		

Table 1: Member Adhering Bodies of IUGG (continued)

MEMBERS	Dates of ADMISSION & TERMINATION	CATEGORY	UNITS
<i>GUINEA</i>	<i>1987-1995</i>		
<i>HAITI</i>	<i>1956-1971</i>		
HUNGARY	1930	2	2
ICELAND	1967	1	1
INDIA	1947	5	7
INDONESIA	1951	1	1
IRAN	1957	1	1
<i>IRAQ</i>	<i>1983-1996</i>		
IRELAND	1946	2	2
ISRAEL	1951	1	1
ITALY	1919	6	10
<i>IVORY COAST</i>	<i>1975-1996</i>		
JAPAN	1919	8	20
JORDAN	1979	1	1
<i>KENYA</i>	<i>1975-1997</i>		
KOREA	1960	2	2
<i>KOREA /DEM.REP./</i>	<i>1967-2000</i>		
LEBANON	1967	1	1
<i>LIBYA</i>	<i>1979-1996</i>		
LUXEMBOURG	1971	1	1
<i>EX-YUGOSLAVIAN REPUBLIC OF MACEDONIA</i>	<i>1995-2001</i>		
<i>MADAGASCAR</i>	<i>1967-1995</i>		
MALAYSIA	1967	1	1
MEXICO	1922	2	2
MONACO	1967	1	1
<i>MONGOLIA</i>	<i>1995-2001</i>		
MOROCCO	1924	A	0
MOZAMBIQUE	1983	1	1
MYANMAR (BURMA)	1957	1	1
<i>NEPAL</i>	<i>1975-1987</i>		
NETHERLANDS	1925	4	5
NEW ZEALAND	1927	1	1
NIGERIA	1971	2	2
NORWAY	1923	4	5
PAKISTAN	1952	2	2
PERU	1925-1979, 2000	A	0
PHILIPPINES	1951	3	3

Table 1: Member Adhering Bodies of IUGG (continued)

MEMBERS	Dates of ADMISSION & TERMINATION	CATEGORY	UNITS
POLAND	1924	2	2
PORTUGAL	1919	2	2
ROMANIA	1930	1	1
RUSSIA	1992	6	10
<i>SAUDI ARABIA</i>	<i>1971-2001</i>		
<i>SENEGAL</i>	<i>1960-1995</i>		
<i>SIERRA LEONE</i>	<i>1967-1983</i>		
SLOVAK REPUBLIC	1993	1	1
SLOVENIA	1994	1	1
SOUTH AFRICA	1924	3	3
SPAIN	1922	5	7
<i>SUDAN</i>	<i>1955-2000</i>		
SWEDEN	1923	4	5
SWITZERLAND	1923	3	3
<i>SYRIA</i>	<i>1948-1995</i>		
TAIPEI - Acad. of Sciences	1995	4	5
<i>TANZANIA</i>	<i>1975-2000</i>		
THAILAND	1923	2	2
<i>TUNISIA</i>	<i>1927-2001</i>		
TURKEY	1949	2	2
U.K.	1919	8	20
<i>URUGUAY</i>	<i>1924-2000</i>		
U.S.A.	1919	11	35
<i>U.S.S.R.</i>	<i>1954-1992</i>		
VENEZUELA	1975	1	1
VIETNAM	1931	1	1
<i>YUGOSLAVIA (*)</i>	<i>1924-1991</i>		
<i>ZAIRE</i>	<i>1991-1997</i>		
<i>ZIMBABWE</i>	<i>1967-2000</i>		

(*) *Adhesion in 1924 under the name of « Royaume des Serbes Croates et Slovènes » becoming Yugoslavia in 1929. Membership terminated in 1991 considering the geo-political changes.*

Table 2: Regional Distribution of Members

REGION	# OF MEMBERS
Africa	5
Asia	17
Europe	33
North and Central America	4
Oceania	2
South America	5

Table 3: IUGG General Assemblies

	Assembly	Year	National	Foreigners	Total
IV.*	Stockholm	1930	91	240	331
V.	Lisbon	1933	40	160	200
VI.	Edinburgh	1936	80	264	344
VII.	Washington	1939	580	225	805
VIII.	Oslo	1948	46	322	368
IX.	Bruxelles	1951	60	858	918
X.	Rome	1954	163	760	923
XI.	Toronto	1957	293	872	1165
XII.	Helsinki	1960	121	1254	1375
XIII.	Berkeley	1963	1124	814	1938
XIV.	Zurich	1967	151	2049	2200
XV.	Moscow	1971	1070	1507	2577
XVI.	Grenoble	1975	413	2151	2564
XVII.	Canberra	1979	469	1475	1944
XVIII.	Hamburg	1983	495	2709	3204
XIX.	Vancouver	1987	539	3400	3939
XX.	Vienna	1991	162	4169	4331
XXI.	Boulder	1995	2066	2415	4481
XXII.	Birmingham	1999	647	3405	4052
XXIII.	Sapporo	2003			

*The figures given do not take into account the accompanying persons.

CURRENT OFFICIALS OF IUGG

Bureau of the Union

President: M. Kono (Japan)
Vice-President: U. Shamir (Israel)
Secretary General: J.A. Joselyn (U.S.A.)
Treasurer: A.W. Hansen (Denmark)
Members: J. Chen (China), H.K. Gupta (India), T. Beer (Australia)

The following Officers are not voting Members of the Bureau:

Assistant Secretary General: T. Palmer (U.S.A.)
Assistant Treasurer: A. Svensson (Denmark)
Honorary Secretary General: Baron P. Melchior (Belgium)

Executive Committee of the Union

According to Article 10 of the Statutes of IUGG the Executive Committee consists of:

- the Bureau (see above),
- the Retiring President of the Union, P.J. Wyllie (U.S.A.)
- the Presidents of the International Associations:

IAG: F. Sanso (Italy)
IAGA: D.J. Kerridge (U.K.)
IAHS: J.C. Rodda (U.K.) - 95-01
K. Takeuchi (Japan) - 01-05
IAMAS: H. Davies (Switzerland)
IAPSO: P. Rizzoli (U.S.A.)
IASPEI: B.L.N. Kennett (Australia)
IAVCEI: R.S.J. Sparks (U.K.)

Finance Committee of the Union

President: A.F. Spilhaus (U.S.A.)
Members: V.K. Gaur (India), E. Groten (Germany), M.J. Hamlin (U.K.)
Secretary: P. Pinet (France)

IUGG Advisory Board on Scientific Policy

President: U. Shamir (Israel)
The Associations Presidents

IUGG Electronic Bulletin Board

Webmaster: J. McKie (U.S.A.)

IUGG Liaison Officers With Intergovernmental Organizations

Cartographic Office of the United Nations: J. Kakkuri (Finland).

United Nations Educational, Scientific and Cultural Organization (UNESCO):
Solid Earth and Geodesy: R.D. Adams (U.K.): International Oceanographic
Commission: P. Rizzoli (U.S.A.).

World Meteorological Organization (WMO): R. List (Canada). IAHS President
or Secretary for Hydrology affairs.

IUGG Representatives on ICSU Committees

Committee on Space Research (COSPAR): E. Friis-Christensen (Denmark).

Committee on Science and Technology in Developing Countries - incorporating
International Biosciences and other Scientific Networks (COSTED/IBN):
V.K. Gaur (India).

Federation of Astronomical and Geophysical Data Analysis Services (FAGS):
M. Feissel (France), D.T. Pugh (U.K.).

Scientific Committee for the International Geosphere-Biosphere Programme
(IGBP): C.J.E. Schuurmans (The Netherlands).

Scientific Committee on Antarctic Research (SCAR): R. Schlich (France).

Scientific Committee on the Problems of the Environment (SCOPE): N.J. Peters
(U.S.A.).

Scientific Committee on Oceanic Research (SCOR): P. Rizzoli (President,
IAPSO); H.C. Davies (President, IAMAS)

Scientific Committee on Solar-Terrestrial Physics (SCOSTEP): W. Baumjohann
(Austria).

Committee on Water Research (SCOWAR): J. Rodda (U.K.)

World Climate Research Programme (WCRP): R. List (Canada).

IUGG Representatives on Inter-Union Commissions

Inter-Union Scientific Committee on the Lithosphere (SCL): S. Gregersen (Denmark).

IUGG Representatives on Other Bodies

International Civil Aviation Organization (IOCA): G. Heiken (U.S.A.)

Instituto Panamericano de Geografia e Historia (IPGH): W. Torge (Germany)

NATIONAL REPRESENTATIVES ACCREDITED TO THE COUNCIL OF THE IUGG

22nd G.A., Birmingham (United Kingdom), July 18-30, 1999

A.K. Yelles-Chaouche (Algeria), K. Lambeck (Australia), H. Suenkel (Austria), B. Ducarme (Belgium), P. Paquet (Belgium), D. Blitzkow (Brazil), R. Stewart (Canada), Chen Yun-Tai (China), V. Cermak (Czech Republic), A. Hansen (Denmark), C.C. Tscherning (Denmark), R. Room (Estonia), A. A. Ashour (Egypt), J. Kakkuri (Finland), P. Hubert (France), R. Schlich (France), E. Grafarend (Germany), E. Groten (Germany), J. Adam (Hungary), A. Snorrason (Iceland), R.N. Singh (India), J. Kahar (Indonesia), A.W.B. Jacob (Ireland), F. Mariani (Italy), C. Morelli (Italy), S. Aramaki (Japan), C. Baag (Korea, South), N. D'Oreye (Luxembourg), V. Mihailov (Ex-Yugoslavian Rep. of Macedonia), C. Van den Akker (Netherlands), F.C. Zuidema (Netherlands), D. Rhoades (New Zealand), O. Coker (Nigeria), T.A. Blix (Norway), B. J. Harsson (Norway), L. W. Baran (Poland), L. Mendes-Victor (Portugal), A. Torres (Portugal), C. S. Sava (Romania), G. Sobolev (Russia), P. Moczo (Slovak Republic), M. Brilly (Slovenia), C. L. Merry (South Africa), F. Vidal (Spain), O. Kulhanek (Sweden), H.C. Davies (Switzerland), H. Lang (Switzerland), Cheng-Hong Chen (Taipei, Acad. of Sciences), Yih-Hsiung Yeh (Taipei, Acad. of Sciences), T. Thambumroong (Thailand), H. Meteris (Turkey), C. Mooers (United States), M. Hamlin (United Kingdom), T.K.T Nguyen (Vietnam), D.L. Jones (Zimbabwe), F. Podmore (Zimbabwe)

Past Officers of IUGG and Associations Since 1919

PAST IUGG PRESIDENTS

1919-1933	C. Lallemand (France)
1933-1936	W. Bowie (U.S.A.)
1936-1942	D. La Cour (Denmark)
1946-1948	B. Helland-Hansen (Norway)
1948-1951	F.A. Vening-Meinesz (Netherlands)
1951-1954	S. Chapman (U.K.)
1954-1957	K.R. Ramanathan (India)
1957-1960	J.T. Wilson (Canada)
1960-1963	V.V. Belousov (U.S.S.R.)
1963-1967	J. Kaplan (U.S.A.)
1967-1971	J. Coulomb (France)
1971-1975	H. Charnock (U.K.)
1975-1979	A. Ashour (Egypt)
1979-1983	G.D. Garland (Canada)
1983-1987	D. Lal (India)
1987-1991	V.I. Keilis-Borok (U.S.S.R.)
1991-1995	H. Moritz (Austria)
1995-1999	P.J. Wyllie (U.S.A.)
1999-2003	M. Kono (Japan)

PAST IUGG GENERAL SECRETARIES

1919-1930	Sir Henry Lyons (U.K.)
1930-1946	H. St. J.L. Winterbotham (U.K.)
1946-1951	J.M. Stagg (U.K.)
1951-1963	G.R. Laclavère (France)
1963-1973	G.D. Garland (Canada)
1973-1991	P. Melchior (Belgium)
1991-1999	G. Balmino (France)
1999-	J.A. Joselyn (U.S.A.)

PAST IUGG TREASURERS

1960-1971	E. Andersen (Denmark)
1971-1979	E. Kejlso (Denmark)
1979-1987	O. Bedsted Andersen (Denmark)
1987-1999	S. Gregersen (Denmark)
1999-	A.W. Hansen (Denmark)

PAST IUGG VICE-PRESIDENTS

1919-1922	S.A.S. Prince Albert Ie de Monaco, W. Bowie (U.S.A.), Sir Napier Shaw (U.K.), M. Tanakadate (Japan)
1922-1948	The Presidents of the Associations
1948-1951	S. Chapman (U.K.), L.H. Adams (U.S.A.)
1951-1954	G. Cassinis (Italy), J. Bjercknes (U.S.A.)
1954-1957	J.T. Wilson (Canada)
1957-1960	V.V. Belousov (U.S.S.R.), W. Heiskanen (Finland)
1960-1963	J. Bartels (F.R.G.), J. Kaplan (U.S.A.)
1963-1967	K.E. Bullen (Australia), J. Coulomb (France)
1967-1969	H. Kuno (Japan)
1969-1971	L. Constantinescu (Romania)
1971-1975	A. Ashour (Egypt)
1975-1979	G.D. Garland (Canada)
1979-1983	N.V. Shebalin (U.S.S.R.)
1983-1991	C. Kisslinger (U.S.A.)
1991-1995	P.J. Wyllie (U.S.A.)
1995-2003	U. Shamir (Israel)

PAST MEMBERS OF THE IUGG BUREAU

1957-1960	G. Deacon (U.K.), J.W. Joyce (U.S.A.), C. Tsuboi (Japan)
1960-1963	M.S. Krishnan (India), T. Nagata (Japan)
1963-1967	B. Bolin (Sweden), V.A. Troitskaya (U.S.S.R.)
1967-1971	L. Constantinescu, T. Malone (U.S.A.), A.M. Oboukhov (U.S.S.R.)
1971-1975	W.C. Ackermann (U.S.A.), L. Constantinescu (Romania), N.V. Shebalin (U.S.S.R.)
1975-1979	N.V. Shebalin (U.S.S.R.), H. Lacombe (France), C. Kisslinger (U.S.A.)
1979-1983	J.C.I. Dooge (Ireland), H. Lacombe (France), C. Kisslinger (U.S.A.)
1983-1987	J.C.I. Dooge (Ireland), V.I. Keilis-Borok (U.S.S.R.), H. Moritz (Austria)
1987-1991	G. McBean (Canada), H. Moritz (Austria), Ye Duzheng (China)
1991-1995	G. McBean (Canada), Ye Duzheng (China), A.S. Monin (Russia)
1995-1999	J. Chen (China), A.S. Monin (Russia), S. Uyeda (Japan)
1999-2001	J. Chen (China), H.K. Gupta (India), L.V. Shannon (South Africa)
2001-2003	T. Beer (Australia), J. Chen (China), H.K. Gupta (India)

PAST IUGG FINANCE COMMITTEE PRESIDENTS

1948-1954	J.T. Wilson (Canada)
1957-1957	A.T. Doodson (U.K.)
1957-1963	K.H. Beij (U.S.A.)
1963-1967	M. Doportto (Ireland)
1967-1971	T.J. Kukkamäki (Finland)
1971-1975	J.M. Stagg (U.K.)
1975-1979	C.A. Whitten (U.S.A.)
1979-1983	H.I.S. Thirlaway (U.K.)
1983-1995	J.O. Cardus (Spain)
1995-1999	A.A. Ashour (Egypt)
1999-2003	A.F. Spilhaus (U.S.A.)

PAST IUGG FINANCE COMMITTEE SECRETARIES

1948-1957	K.H. Beij (U.S.A.)
1957-1960	M. Goldschmidt (Israel)
1960-1967	T.J. Kukkamäki (Finland)
1967-1975	C.A. Whitten (U.S.A.)
1975-1979	H.I.S. Thirlaway (U.K.)
1979-1987	A.E. Maxwell (U.S.A.)
1987-1991	J. Somogyi (Hungary)
1991-1999	A.F. Spilhaus (U.S.A.)
1999-	P. Pinet (France)

PAST IUGG FINANCE COMMITTEE MEMBERS

1948-1951	G. Dianderas (Peru), A.T. Doodson (U.K.), J. Vignal (France)
1951-1954	A.T. Doodson (U.K.), M. Goldschmidt (Israel), J. Vignal (France)
1954-1957	M.J. Goldschmidt (Israel), J. Vignal (France), F. Gassmann (Switzerland)
1957-1960	J.M. Rayner (Australia), A. Romana (Spain), J. Vignal (France)
1960-1963	M. Doportto (Ireland), J.M. Rayner (Australia), A. Romana (Spain)
1963-1967	C.A. Whitten (U.S.A.), S. Krynski (Poland), A. Romana (Spain)
1967-1971	S. Krynski (Poland), J.M. Stagg (U.K.), E. Walzer (Switzerland)
1971-1975	S. Krynski (Poland), E. Walzer (Switzerland), G. Yamamoto (Japan)
1975-1979	S. Krynski (Poland), G. Yamamoto (Japan), P.K. Das (India)
1979-1983	J.O. Cardus (Spain), J. Rais (Indonesia), J. Somogyi (Hungary)
1983-1987	A. Ashour (Egypt), J. Rais (Indonesia), J. Somogyi (Hungary)
1987-1991	A. Ashour (Egypt), J. Rais (Indonesia), A.F. Spilhaus (U.S.A.)
1991-1995	A. Ashour (Egypt), A.F. Spilhaus (U.S.A.), M.J. Hamlin (U.K.)
1995-1999	V.K. Gaur (India), E. Groten (Germany), M.J. Hamlin (U.K.)
1999-2003	V.K. Gaur (India), E. Groten (Germany), M.J. Hamlin (U.K.)

INTER ASSOCIATION COMMITTEES AND COMMISSIONS

Inter Associations Committee on Mathematical Geophysics

<i>Chair:</i>	Daniel H. Rothman (U.S.A.)
<i>Vice-Chair– Russia:</i>	George Molchan (Russia)
<i>Vice-Chair – North America:</i>	Ray Pierrehumbert (U.S.A.)
<i>Vice-Chair– Europe:</i>	Antonello Provenzale (Italy)
<i>Vice-Chair – Middle East:</i>	Eli Tziperman (Israel)
<i>Secretary:</i>	Marc Spiegelman (U.S.A.)

Inter Associations Committee on the Study of Earth's Deep Interior (SEDI)

www.sediggroup.org

<i>Chair:</i>	David Gubbins (U.K.)
<i>Vice-Chair:</i>	Henri-Claude Nataf (France)
<i>Secretary General:</i>	Michael I. Bergman (U.S.A.)
<i>Website:</i>	http://www.sediggroup.org
<i>Advisory Committee:</i>	Reini Boehler (Germany), Bruce Buffett (Canada), Cathy Constable (U.S.A.), Ivan Cupal (Czech Republic), Ibrahim Eltayeb (Oman), Rongshan Fu (China), K. Kurita (Japan), Philippe Gillet (France), Gary Glatzmaier (U.S.A.), H.K. Gupta (India), François Guyot (France), S.-I. Karato (U.S.A.), Ban-Yuan Kuo (Taiwan), Kurt Lambeck (Australia), David Loper (U.S.A.), Guy Masters (U.S.A.), Jerry Mitrovica (Canada), Andrew Soward (U.K.), Satoru Tanaka (Japan), Lev Vinnik (Russia), Kathy Whaler (U.K.), Vladimir Zharkov (Russia)

Inter Associations Commission on Geophysical Risk and Sustainability (GeoRisk)

www.mitp.ru/georisk

<i>Chair:</i>	Tom Beer (Australia)
<i>Vice-Chairs:</i>	Kuniyoshi Takeuchi (Japan), Alik Ismail-Zadeh (Russia)
<i>Secretary:</i>	Grant Heiken (U.S.A.)

Scientific Committee on the Lithosphere and the International Lithosphere Program (SCL/ILP)

SCL/ILP EXECUTIVE AND BUREAU MEMBERS

- President:* A. Taira (Japan)
Secretary General: K.M. Shedlock (U.S.A.)
Bureau Members: H. Drewes (Germany)
C.M.R. Fowler (U.K.)
J. Percival (Canada)
Sun Shu (China)
Past President: A.G. Green (Switzerland)
- Chair - Committee of National Representatives:* A.K. Sinha (India)
- IUGG Representative:* S. Gregersen (Denmark)
IUGS Representative: A. Boriani (Italy)
UNESCO Representative: F.W. Eder (France)

SCL/ILP Project Themes, Chairs and Vice-Chairs

Theme I: The Geoscience of Global Change

Theme II: Contemporary Dynamics and Deep Processes

II-5: Earthquake Recurrence Through Time

Chair: D. Pantosti (Italy)
Vice-Chair: A. Hull (New Zealand)

II-6: Mantle Plumes, Hot Spots and the Geodynamics of Continental Rifting and Break-Up

Chair: U. Achauer (France)
Vice-Chair: M. Wilson (U.K.)

II-7: Earthquakes and Megacities Initiative (EMI)

Chair: Fouad Bendimerad (U.S.A.)
Vice-Chair: F. Wenzel (Germany)

II-8: Global Strain Rate Map

Chair: W.E. Holt (U.S.A.)
Vice-Chairs: A.J. Haines (UK), G. Blewitt (U.S.A.)

Theme III: Continental Lithosphere

III-2: Origin of Sedimentary Basins

Chair: S. Cloetingh (The Netherlands)
Vice-Chair: W. Sassi (France)

III-7: Global Impact Studies Project (GISP)

Chair: V.L. Sharpton (U.S.A.)

Vice-Chairs: D. Stöffler (Germany)

III-8: Processes and Geodynamics in the Formation and Exhumation of Ultrahigh-Pressure Metamorphic Terrain

Chair: C. Bolin (China)

Vice Chairs: J.G. Liou (U.S.A.)

Shigenori Maruyama (Japan)

Theme IV: Oceanic Lithosphere

IV-3: Hydrogeology of the Oceanic Lithosphere

Chair: H. Elderfield (UK)

Vice-Chair: E. Davis (Canada)

SCL/ILP Coordinating Committees (CC)

CC-1: Regional Committees

Himalayas

Chair: Quasim Jan (Pakistan)

Vice-Chair: Xia Xuachang (China), J.P. Burg (Switzerland)

Andean

Chair: V.A. Ramos (Argentina)

Vice-Chair: M. Strecker (Germany)

EUROPROBE

Chair: D.G. Gee (Sweden)

CC-4: Continental Drilling

Chair: M. Zoback (U.S.A.)

Vice-Chair: R. Emmermann (Germany)

CC-7: International Commission for Earth Sciences In Africa (ICESA)

Chair: A.B. Kampunzu (Botswana)

Vice-Chair: S. Muhongo (Tanzania)

CC-8: Committee On Interdisciplinary Lithospheric Surveys (COILS)

Chair: L.D. Brown (U.S.A.)

Vice-Chairs: B. Drummond (Australia), O. Oncken (Germany)

II. INTERNATIONAL ASSOCIATIONS

IUGG comprises seven semi-autonomous International Associations, each responsible for a specific range of topics or themes within the overall scope of the Union's activities and each with a sub-structure discussed below. The International Associations hold Scientific Assemblies such as those since 1969 listed in Table 4.

The seven International Associations are:

International Association of Geodesy (IAG)
Association Internationale de Géodésie (AIG)

International Association of Geomagnetism and Aeronomy (IAGA)
Association Internationale de Géomagnétisme et d'Aéronomie (AIGA)

International Association of Hydrological Sciences (IAHS)
Association Internationale des Sciences Hydrologiques (AISH)

International Association of Meteorology and Atmospheric Sciences (IAMAS)
Association Internationale de Météorologie et des Sciences de l'Atmosphère (AIMSA)

International Association of the Physical Sciences of the Ocean (IAPSO)
Association Internationale des Sciences Physiques de l'Océan (AISPO)

International Association of Seismology and Physics of the Earth's Interior (IASPEI)
Association Internationale de Séismologie et de Physique de l'Intérieur de la Terre (AISPIT)

International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) Association Internationale de Volcanologie et de Chimie de l'Intérieur de la Terre (AIVCIT)

Table 4 Scientific Assemblies of the International Associations

International Association	Year	Meeting Location	Number of Participants
IASPEI	1969	Madrid, Spain	NA
IAGA	1969	Madrid, Spain	475
IAPSO	1970	Tokyo, Japan	602
IASPEI	1973	Lima, Peru	250
IAGA	1973	Kyoto, Japan	613
IAMAP	1974	Melbourne, Australia	596
IAPSO	1974	Melbourne, Australia	596
IAG	1975	Grenoble, France	398
IASPEI	1977	Durham, U.K.	500
IAVCEI	1977	Durham, U.K.	500
IAGA	1977	Seattle, U.S.A.	950
IAMAP	1977	Seattle, U.S.A.	950
IASPEI	1981	London, Canada	448
IAGA	1981	Edinburgh, U.K.	747
IAMAP	1981	Hamburg, Germany	921
IAG	1982	Tokyo, Japan	200
IAVCEI	1982	Reykjavik, Iceland	190
IAHS	1982	Exeter, U.K.	530
IAPSO	1982	Halifax, Canada	759
IASPEI	1984	Hyderabad, India	285
IASPEI	1985	Tokyo, Japan	651
IAGA	1985	Praha, Czechoslovakia	994
ISMAP*	1985	Hawaii, U.S.A.	450
IAPSO*	1985	Hawaii, U.S.A.	450
IAHS	1986	Budapest, Hungary	310
IAPSO	1988	Acapulco, Mexico	543
IAG	1989	Edinburgh, U.K.	NA
IASPEI	1989	Istanbul, Turkey	611
IAGA	1989	Exeter, U.K.	1200
IAMAP*	1989	Reading, U.K.	1020
IAPSO*	1989	Reading, U.K.	1020
IAHS	1989	Baltimore, U.S.A.	440
IASPEI	1990	Nairobi, Kenya	132
IAVCEI	1991	Naples, Italy	800
IAG	1993	Bejing, China	350
IAVCEI	1993	Canberra, Australia	600
IAMAP/S*	1993	Yokohama, Japan	450
IAHS*	1993	Yokohama, Japan	450

**Table 4 Scientific Assemblies of the International Associations
(continued)**

International Association	Year	Meeting Location	Participants
IAGA	1993	Buenos Aires, Argentina	505
IASPEI	1994	Wellington, New Zealand	483
IAPSO	1995	Hawaii, U.S.A.	700
IAG	1997	Rio de Janeiro, Brazil	350
IASPEI	1997	Thessaloniki, Greece	1040
IAVCEI	1997	Puerto Vallarta, Mexico	600
IAGA	1997	Uppsala, Sweden	1200
IAHS	1997	Rabat, Morocco	500
IAMAS/IAPSO	1997	Melbourne, Australia	1100
IAG	2001	Budapest, Hungary	461
IASPEI/IAGA	2001	Hanoi, Vietnam	1078
IAVCEI	2000	Bali, Indonesia	490
IAMAS	2001	Innsbruck, Austria	851
IAHS	2001	Maastricht, Netherlands	400
IAPSO**	2001	Mar del Plata, Argentina	430
IAG	2005		
IAGA	2005	Toulouse, France	
IAHS*	2005	Beijing, China	
IAMAS*	2005	Beijing, China	
IAPSO	2005		
IASPEI	2005	Chile	
IAVCEI	2004	Chile	

* Joint Scientific Assemblies

** With International Association for Biological Oceanography (IABO)

III. International Association Of Geodesy (IAG) Association Internationale De Géodésie (AIG)

<http://www.gfy.ku.dk/~iag>

The International Association of Geodesy (IAG) was created in 1864 under the name of Europäische Gradmessung. In 1886 it became the Association Géodésique Internationale. At the first General Assembly of IUGG (Rome, 2-10 May 1922) it became one of the five constituent sections of the Union. It took its present name at the Stockholm General Assembly of IUGG (1930).

IAG BUREAU 1999 - 2003

<i>President:</i>	Fernando Sanso (Italy)
<i>First Vice-President:</i>	Gerhard Beutler (Switzerland)
<i>Secretary-General:</i>	Carl Chr. Tscherning (Denmark)
<i>Second Vice-President:</i>	Denizar Blitzkow (Brazil)

IAG EXECUTIVE COMMITTEE 1999 - 2003

The Bureau and the Second Vice-President

<i>The Past President:</i>	Klaus-Peter Schwarz (Canada)
<i>The Section Presidents:</i>	I. Alan Dodson (U.K.)
	II. C.K. Shum (U.S.A.)
	III. Michael G. Sideris (Canada)
	IV. Bernhard Heck (Germany)
	V. Clark Wilson (U.S.A.)

OTHER IAG OFFICERS 1999 - 2003

Editor in Chief of the Journal of Geodesy: P.J.G. Teunissen (The Netherlands)
Assistant Secretaries of the Association: Ole Baltazar Andersen (Denmark),
Kristian Keller (Denmark)

Honorary Presidents: H. Moritz (Austria), P.V. Angus-Leppan (Australia), I.I. Mueller (U.S.A.), W. Torge (Germany), K.-P. Schwarz (Canada)

Honorary Secretary General: M. Louis (France)

[The Secretaries of the Sections and the other officers may attend any meeting of the Executive Committee of the Association in an advisory capacity].

IAG SECTIONS

IAG Section I: Positioning

www.lareg.ensg.iqn.fr/grgn

President: Alan Dodson (U.K.)

Secretary: Chris Rizos (Australia), Claude Boucher (France)

Commission X: Global and Regional Geodetic Networks
President: Claude Boucher (France)

Special Commissions:

SC4: Applications of Geodesy to Engineering
President: Heribert Kahmen (Austria)

Special Study Groups

SSG1.179: Wide area Modeling for Precise Satellite Positioning
Chairman: S. Han (Australia)

SSG1.180: GPS as an Atmospheric Remote Sensing Tool
Chairman: H. Van der Marel (The Netherlands)

SSG1.181: Regional Permanent Arrays
Chairman: R. Weber (Austria)

SSG1.182: Multipath Mitigation
Chairman: M.P. Stewart (Australia)

IAG Section II: Advanced Space Technology

http://geodesy.eng.ohio-state.edu/iag_sectionII/

President: C.K. Shum (U.S.A.)

Secretary: Pascal Willis (France)

Commission VIII: International Coordination of Space Techniques for Geodesy and Geodynamics (CSTG)
President: Hermann Drewes (Germany)

Special Commission

SC7: Satellite Gravity Field Missions
President: K.-H. Ilk (Germany)

Special Study Groups

SSG2.162: Precise Orbits Using Multiple Space Techniques
Chairman: Remko Scharroo (The Netherlands)

SSG2.183: Spaceborne Interferometry Techniques
Chairman: R. Hanssen (The Netherlands)

SSG2.192: Spaceborne GNS Atmospheric Sounding
Chairman: R. Kursinski (U.S.A.)

SSG2.193: Gravity Field Missions: Calibration and Validation
Chairman: P. Visser (The Netherlands)

SSG2.194: GPS Water Level Measurements
Chairman: G. Mader (U.S.A.)

International Services

International GPS Service
Chairman: C. Reigber (Germany)
Director of the Central Bureau: R. Neilan (U.S.A.)

The International Laser Ranging Service – ILRS
Chair of the Governing Board: J. Degnan (U.S.A.)
Director of the Central Bureau: J. Bosworth (U.S.A.)

International VLBI Service for Geodesy and Astrometry – IVS
Chair of the Governing Board: W. Schlüter (Germany)

IAG Section III: Determination Of The Gravity Field

<http://www.ucalgary.ca/~sideris/IAG/sectionIII.html>

President: Michael G. Sideris (Canada)

Secretary: Gerd Boedecker (Germany)

Commission XIII: International Gravity and Geoid Commission

President: Martin Vermeer (Finland)

Special Study Groups

SSG3.167: Regional Land and Marine Geoid Modelling
Chairman: I. Tziavos (Greece)

SSG3.177: Synthetic Modelling of the Earth's Gravity Field
Chairman: W. Featherstone (Australia)

SSG3.184: Use of Remote Sensing Techniques for Validating Heights and Depths
Chairman: P. Berry (U.K.)

SSG3.185: Merging Data from Dedicated Satellite Missions with other Gravimetric Data
Chairman: N. Sneeuw (Germany)

SSG3.186: Altimetry Data Processing for Gravity, Geoid and Sea Surface Topography Determination
Chairman: C. Hwang (Taiwan)

International Services

International Gravimetric Bureau -BGI- (affiliated to FAGS)

Director: J.-P. Barriot (France)

International Geoid Service -IGeS

Director: F. Sanso (Italy)

IAG Section IV: General Theory And Methodology

President: Bernhard Heck (Germany)

Secretaries: Christopher Jekeli (U.S.A.), Yuanxi Yang (China)

Special Commission

SC1: Mathematical and Physical Foundations of Geodesy

President: Petr Holota (Czech Republic)

Special Study Groups

SSG4.187: Wavelets in Geodesy and Geodynamics

Chairman: W. Keller (Germany)

SSG4.188: Mass Density from Integrated Inverse Gravity Modelling

Chairman: G. Strykowski (Denmark)

SSG4.189: Dynamic Theories of Deformation and Gravity Field

Chairman: D. Wolf (Germany)

SSG4.190: Non-probabilistic Assessment in Geodetic Data Analysis

Chairman: H. Kutterer (Germany)

SSG4.191: Theory of Fundamental Height Systems

Chairman: C. Jekeli (U.S.A.)

IAG Section V: Geodynamics

www.astro.oma.be/IAG/index.html

President: Clark Wilson (U.S.A.)

Secretary: Véronique Dehant (Belgium)

Commission V: Earth Tides

<http://www-geod.kugi.kyoto-u.ac.jp/iag-etc/>

President: Shuzo Takemoto (Japan)

Commission XIV: Crustal Deformation

<http://www.df.unibo.it/commXIV/>

President: Susanna Zerbini (Italy)

Special Commissions

SC3: Fundamental Parameters
President: Erwin Groten (Germany)

SC8: Sea Level and Ice Sheets
President: Michael Bevis (U.S.A.)

Working Group: IAG/IAPSO Working Group: Geodetic effects of Non-tidal Oceanic Processes

President: R.S. Gross (U.S.A.)

International Services

International Center of Earth Tides -ICET- (affiliated to FAGS)
www.oma.be/ICET/index.html
Director: B. Ducarme (Belgium)

International Earth Rotation Service -IERS- (affiliated to FAGS)
<http://www.iers.org>
Chairman of the Directing Board: C. Reigber (Germany)
Director of the Central Bureau: D. Gambis (France)

Permanent Service for Mean Sea Level -PSMSL- (affiliated to FAGS)
<http://www.pol.ac.uk>
Director: P. L. Woodworth (U.K.)

Bureau International des Poids et Mesures -BIPM- Time Section:
<http://www.bipm.org>
Director: E.F. Arias (Argentina)

Out of Section

Committee on Geodetic Aspects of the Law of the Sea (GALOS)
Chair: Bjorn Geirr Harsson (Norway)

Working Group on Education
Chair: C.C. Tscherning (Denmark)

PAST IAG OFFICERS

1864-1885	J.J. Baeyer (Prussia)
1886-1891	C. Ibanez de Ibero (Spain)
1892-1902	H. Faye (France)
1903-1918	L. Bassot (France)
1919-1933	W. Bowie (U.S.A.)
1933-1945	F.A. Vening Meinesz (Netherlands)
1945-1951	W.D. Lambert (U.S.A.)
1951-1954	C.F. Baeschlin (Switzerland)
1954-1957	J. de Graaf Hunter (U.K.)
1957-1960	G. Cassinis (Italy)
1960-1963	C.A. Whitten (U.S.A.)
1963-1967	G. Bomford (U.K.)
1967-1971	A. Marussi (Italy)
1971-1975	Y.D. Boulanger (U.S.S.R.)
1975-1979	T.J. Kukkamäki (Finland)
1979-1983	H. Moritz (Austria)
1983-1987	P.V. Angus-Leppan (Australia)
1987-1991	I.I. Mueller (U.S.A.)
1991-1995	W. Torge (F.R. Germany)
1995-1999	K.P. Schwarz (Canada)
1999-2003	F. Sanso (Italy)

PAST IAG GENERAL SECRETARIES

1886-1900	A. Hirsch (Switzerland)
1900-1918	H.G. Van de Sande-Bakhuysen (Netherlands)
1919-1945	G. Perrier (France)
1946-1960	P. Tardi (France)
1960-1975	J.J. Levallois (France)
1975-1991	M. Louis (France)
1991-1995	C. Boucher (France)
1995-	C.C. Tscherning (Denmark)

IV. International Association of Geomagnetism and Aeronomy (IAGA) **Association Internationale de Géomagnétisme et d'Aéronomie (AIGA)**

<http://www.ngdc.noaa.gov/IAGA>

At the First IUGG General Assembly (Rome, 1922), the *Section de Magnétisme et Electricité Terrestres* became one of the constituent *sections* of the Union. At the IV IUGG General Assembly (Stockholm, 1930), it became the *International Association of Terrestrial Magnetism and Electricity*. It took its present name at the X IUGG General Assembly (Rome, 1954).

IAGA EXECUTIVE COMMITTEE 1999-2003

<i>President:</i>	David Kerridge (Scotland, U.K.)
<i>Vice-Presidents:</i>	Charles Barton (Australia) Jan Lastovicka (Czech Republic)
<i>Secretary-General:</i>	Bengt Hultqvist (Sweden)
<i>Past-President:</i>	Masaru Kono (Japan)
<i>Members:</i>	E. Friis-Christensen (Denmark) Y. Kamide (Japan) Gurbax Lakhina (India) Michel Menvielle (France)

IAGA DIVISIONS

IAGA Division I - Internal Magnetic Fields

<i>Chair:</i>	Ibrahim A. Eltayeb (Sudan/Oman)
<i>Co-chair:</i>	Alan Jones (Canada)

Working Group I-1: Theory of Planetary Magnetic Fields and Geomagnetic Secular Variation

<i>Chair:</i>	Jeremy Bloxham (U.S.A.)
<i>Co-Chair:</i>	Ivan Cupal (Czech Republic)

Working Group I-2: Electromagnetic Induction and Electrical Conductivity

<i>Chair:</i>	Pascal Tarits (France)
<i>Co-Chair:</i>	Ana Osella (Argentina)

Working Group I-3: Palaeomagnetism

<i>Chair:</i>	Mark Dekkers (Netherlands)
<i>Co-Chair:</i>	H. Boehnel

Working Group I-4: Rock Magnetism

Chair: Barbara Maher (UK)

IAGA Division II - Aeronomical Phenomena

Chair: Shoichiro Fukao (Japan)

Co-Chair: Robert W. Schunk (U.S.A.)

Working Group II-A: Electrodynamics of the Middle Atmosphere

Chair: Richard A. Goldberg (U.S.A.)

Co-Chair: Tom A. Blix (Norway)

Working Group II-B: Thermospheric Dynamics

Chair: Alan D. Aylward (U.K.)

Co-Chairs: Timothy L. Killeen (U.S.A.)

R. Sridharan (India)

Working Group II-C: Meteorological Effects on the Ionosphere

Chair: Dora Pancheva (U.K.)

Co-Chairs: Werner Singer (Germany)

Antonina N. Fahrutdinova (Russia)

Working Group II-D: External Forcing of the Middle Atmosphere

Chair: E.S. Kazimirovsky (Russia)

Co-Chairs: C.H. Jackman (U.S.A.)

Peter Stauning (Denmark)

Working Group II-E: Ionospheric Irregularities, Fields, and Waves

Chair: Ray A. Greenwald (U.S.A.)

Co-Chair: Jean-Pierre St. Maurice (Canada)

**Working Group II-F: Long-term Trends in the Mesosphere,
Thermosphere and Ionosphere (IAGA/ICMA/SCOSTEP)**

Chair: Jan Lastovicka (Czech Republic)

Co-Chair: Gary Thomas [ICMA] (U.S.A.)

Working Group II-G Polar Research

Chair: Dr. A. Weatherwax (U.S.A.)

**IAGA/URSI Working Group: (VERSIM) VLF/ELF Remote Sensing of
the Ionosphere and Magnetosphere**

IAGA Chair: Andy J. Smith (U.K.)

URSI Co-Chair: M. Parrot (France)

IAGA Division III - Magnetospheric Phenomena

Chair: Mike Lockwood (U.K.)

Co-Chair: Brian Anderson (U.S.A.)

Working Group III-1: ULF Waves in Magnetospheres

Chair: Fred Menk (Australia)

Working Group III-5: Polar Research (joint with Division II Working Group II-G)

Chair: Dr. A. Weatherwax (U.S.A.)

IAGA Division IV - Solar Wind and Interplanetary Field

Chair: Steven Schwartz (U.K.)

Co-Chair: Rainer Schwenn (Germany)

IAGA Division V - Geomagnetic Observatories, Surveys and Analyses

Chair: Vladimir O. Papitashvili (U.S.A.)

Co-Chair: Toshihiko Iyemori (Japan)

Working Group V-1: Geomagnetic Observatories, Instruments and Standards

Chair: Jean L. J. Rason (Belgium)

Co-Chair: Hans-Joachim Linthe (Germany)

Working Group V-2: Geomagnetic Data, Indices and Applications

Chair: Susan McLean (U.S.A.)

Co-Chairs: Toyohisa Kamei (Japan)

Toby D.G. Clark (U.K.)

Working Group V-3: Analysis and Modeling of Geomagnetic Field Variations

Chair: Nils Olsen (Denmark)

Co-Chair: Alan W.P. Thomson (U.K.)

Working Group V-7: Earth and Planetary Magnetic Survey Satellites

Chair: Yves Cohen (France)

Co-Chair: Michael Purucker (U.S.A.)

Working Group V-8: Analysis of the Global and Regional Geomagnetic Field and Secular Variation

Chair: Mioara Manda (France)

Co-Chair: Susan Macmillan (U.K.)

Working Group V-9: Magnetic Anomalies (Land and Sea)

Chair: Monika Korte (U.S.A.)

Co-Chair: Mita Rajaram (India)

IAGA Interdivisional Commissions

History

Chair: Adolfo Orozco (Mexico)

Co-Chair: Wilfred Schröder (Germany)

Developing Countries

Chair: B. R. Arora (India)

Co-Chair: Polinaya Muralikrishna (Brazil)

International Services

International Service of Geomagnetic Indices, ISGI (affiliated to FAGS)

Director: Michel Menvielle (France)

International Space Environment Service, ISES (affiliated to FAGS)

President: K. Marubashi (Japan)

IAGA/IASPEI/IAVCEI Working Group on Electromagnetic Studies of Earthquakes and Volcanoes

Leader: S. Uyeda (Japan)

Secretary: T. Nagao (Japan)

IAGA Liaison: J. Zlotnicki (France)

IAGA WG I-2 Liaison: Y. Ogawa (Japan)

PAST IAGA PRESIDENTS

1919-1922	A. Tanakadate (Japan)
1922-1927	C. Chree (U.K.)
1927-1930	L.A. Bauer (U.S.A.)
1930-1948	J.A. Fleming (U.S.A.)
1948-1951	S. Chapman (U.K.)
1951-1954	J. Coulomb (France)
1954-1957	J. Bartels (F.R. Germany)
1957-1960	J. Kaplan (U.S.A.)
1960-1963	V. Laursen (Denmark)
1963-1967	M. Nicolet (Belgium)
1967-1971	T. Nagata (Japan)
1971-1975	V.A. Troitskaya (U.S.S.R.)
1975-1979	J. Roederer (U.S.A.)
1979-1983	K.D. Cole (Australia)
1983-1987	D.I. Gough (Canada)
1987-1991	R.E. Gendrin (France)
1991-1995	D. J. Williams (U.S.A.)
1995-1999	M. Kono (Japan)
1999-2003	D.J. Kerridge (U.K.)

PAST IAGA GENERAL SECRETARIES

1919-1927	L.A. Bauer (U.S.A.)
1927-1933	Ch. Maurain (France)
1933-1936	M.D. La Cour (Denmark)
1936-1939	A.H.R. Goldie (U.K.)
1939-1951	J.W. Joyce (U.S.A.)
1951-1957	V. Laursen (Denmark)
1957-1963	J.O. Cardus (Spain)
1963-1975	L. Alldredge (U.S.A.)
1975-1983	N. Fukushima (Japan)
1983-1995	M. Gadsden (U.K.)
1995-1999	J.A. Joselyn (U.S.A.)
1999-2001	H.W. Kroehl (U.S.A.)
2001-	B. Hultqvist (Sweden)

V. International Association of Hydrological Sciences (IAHS)

Association Internationale des Sciences Hydrologiques (AISH)

<http://www.cig.ensmp.fr/~iahs>

At the First IUGG General Assembly (Rome, 1922), the *Section d'Hydrologie Scientifique* became one of the constituent *sections* of the Union. At the IV IUGG General Assembly (Stockholm, 1930) it became the *International Association of Scientific Hydrology*. It took its present name at the XV IUGG General Assembly (Moscow, 1971).

IAHS OFFICERS, 1999-2003

<i>President:</i>	K. Takeuchi (Japan) (2001-2005)
<i>Vice-Presidents:</i>	L. Gottschalk (Norway)
<i>Secretary-General:</i>	P. Hubert (France)
<i>Past-President:</i>	U. Shamir (Israel)
<i>Treasurer:</i>	C. Onstad (U.S.A.)
<i>Editor:</i>	Z. Kundzewicz (Poland)
<i>Hon. President:</i>	A.I. Johnson (U.S.A.)
<i>Chair IAHS Ltd:</i>	D.E. Walling (U.K.)

IAHS INTERNATIONAL COMMISSIONS

International Commission on Surface Water (ICSW)

<i>President:</i>	A. Gustard (U.K.)
<i>Vice-Presidents:</i>	E. Servat (France), M. Shiiba (Japan), I. Shiklomanov (Russia)
<i>Secretary:</i>	S. Demuth (Germany)

International Commission on Groundwater (ICGW)

<i>President:</i>	E.A. Sudicky (Canada)
<i>President-elect:</i>	Y. Rubin (U.S.A.)
<i>Vice-Presidents:</i>	D. Lerner (U.K.) M. Bierkens (Netherlands), A. Fiore (Italy)
<i>Secretary:</i>	N. Tase (Japan)

International Commission on Continental Erosion (ICCE)

<i>President:</i>	B. Hasholt (Denmark)
<i>President-elect:</i>	W. Froelich (Poland)
<i>Vice-Presidents:</i>	J. Bogen (Norway), P. Stanciu (Romania), W. Summer (Austria)
<i>Secretary:</i>	D. de Boer (Canada)

International Commission on Snow and Ice (ICSI)

President: E.M. Morris (United Kingdom)
President-elect: G. Jones (Canada)
Vice-Presidents: E. Brun (France), J. Hagen (Norway),
Dia Qin (China)
Secretary: G. Kaser (Austria)

International Commission on Water Quality (ICWQ)

President: N.E. Peters (U.S.A.)
President-elect: J. Steenvoorden (The Netherlands)
Vice-Presidents: P.J. Ashton (South Africa), J.R. Davis (Australia),
V. Krysanova (Estonia)
Secretary: B. Webb (U.K.)

International Commission on Water Resources Systems (ICWRS)

President: S. Simonovic (Canada)
President-elect: D. Rosbjerg (Denmark)
Vice-Presidents: G. Bloschl (Austria), M. Marino (U.S.A.),
Xia Jun (China)
Secretary: A. Görgens (South Africa)

International Commission on Remote Sensing (ICRS)

President: A. Rango (U.S.A.)
President-elect: E. Barrett (U.K.)
Vice-Presidents: T. Koike (Japan), M. Menenti (Netherlands),
M. Lointier (France)
Secretary: A. Pietroniro (Canada)

International Commission on Atmosphere-Soil-Vegetation Relations (ICASVR)

President: K.H. Jensen (Denmark)
President-elect: C. Vörösmarty (U.S.A.)
Vice-Presidents: H. Dolman (Netherlands)
T. Illangasekare (U.S.A./Sri Lanka)
S. Franks (Australia)
Secretary: J. Simunek (Czech Rep.)

International Commission on Tracers (ICT)

President: A. Dassargues (Belgium)
President-elect: J. McDonnell (U.S.A.)
Vice-Presidents: T. Tanaka (Japan), A. Coudrain-Ribstein (France),
J. Turner (Australia)
Secretary: Ch. Leibundgut (Germany)

Joint Commission on Groundwater Seawater Interactions (with IAPSO)

President: E.A. Kontar (Russia)

Service

World Glacier Monitoring Service, WGMS (affiliated to FAGS, program administered by ICSI)

Director: W. Haeberli (Switzerland)

PAST IAHS PRESIDENTS

1922-1933	E. Wade
1933-1936	J. Smetana (Czechoslovakia)
1936-1947	O. Lütschg (Switzerland)
1947-1948	G. Slettenmark (Sweden)
1948-1951	M. Bernard (U.S.A.)
1951-1957	J. Th. Thijsse (Netherlands)
1957-1960	H.G. Wilm (U.S.A.)
1960-1963	W. Friedrich (F.R. Germany)
1963-1967	A. Volker (Netherlands)
1967-1970	K. Szeztay (Hungary)
1970-1971	W.C. Ackermann (U.S.A.)
1971-1975	J. Rodier (France)
1975-1979	J.C.I. Dooge (Ireland)
1979-1983	M.F. Meier (U.S.A.)
1983-1987	G. Kovacs (Hungary)
1987-1991	V. Klemes (Canada)
1991-1995	U. Shamir (Israël)
1995-2001	J.C. Rodda (U.K.)
2001-2005	K. Takeuchi (Japan)

PAST IAHS GENERAL SECRETARIES

1922-1933	G. Magrini (Italy)
1933-1947	F. Diénert (France)
1947-1948	A. Vibert (France)
1948-1971	L.J. Tison (Belgium)
1971-1975	G. Kovacs (Hungary)
1975-1979	J. Rodier (France)
1979-1987	J.G. Rodda (U.K.)
1987-1995	H.J. Colenbrander (Netherlands)
1995-2000	G.J. Young (Canada)
2000-	P. Hubert (France)

VI. International Association of Meteorology and Atmospheric Sciences (IAMAS) **Association Internationale de Météorologie et des Sciences de l'Atmosphère (AIMSA)**

<http://iamas.org>

At the First IUGG General Assembly (Rome, 1922), the *Section de Météorologie* became one of the constituent *sections* of the Union. At the IV IUGG General Assembly (Stockholm, 1930) it became the *International Association of Meteorology*. It took the name of *International Association of Meteorology and Atmospheric Physics* at the XI IUGG General Assembly (Toronto, 1957), which later became the *International Association of Meteorology and Atmospheric Sciences*, (Association Internationale de Météorologie et des Sciences Atmosphériques) in 1993.

IAMAS BUREAU, 1999-2003

President: H.C. (Huw) Davies (Switzerland)
Secretary-General: Roland List (Canada)
Vice-Presidents: R.A. Vincent (Australia)
Richard E. Carbone (U.S.A.)

IAMAS EXECUTIVE COMMITTEE AND BUREAU, COMMISSION PRESIDENTS, 1999-2003

Past-President: R.A. Duce (U.S.A.)
Members: Guoxiong Wu (China),
Akimasa Sumi (Japan),
Leonard Barrie (U.S.A.),
Igor Mokhov (Russia),
Past Secretary General: M. Kuhn (Austria)

IAMAS COMMISSIONS

Atmospheric Chemistry and Global Pollution (ICACGP)

President: H. Akimoto (Japan)
Vice President: Len Barrie (U.S.A.)
Secretary: Paulo Artaxo (Brazil)

Atmospheric Electricity (ICAE)

President: Pierre Laroche (France)
Secretary: Serge Chauzy (France)

Climate (ICCL)

President: Michael C. MacCracken (U.S.A.)

Secretary: Kendal McGuffie (Australia)

Clouds and Precipitation (ICCP)

President: George A. Isaac (Canada)

Vice-President: Zev Levin (Israel)

Secretary: David O'C. Starr (U.S.A.)

ICCP - Committee on Nucleation and Atmospheric Aerosols

Chairman: Markku Kulmala (Finland)

Dynamic Meteorology (ICDM)

President: N.O. Jensen (Denmark)

Secretary: M. Joan Alexander (U.S.A.)

Middle Atmosphere (ICMA)

<http://imina.soest.hawaii.edu/~kph/ICMA.html>

President: Kevin Hamilton (U.S.A.)

Secretary: Franz-Josef Luebken (Germany)

Planetary Atmospheres and Their Evolution (ICPAE)

President: Frederic W. Taylor (U.K.)

Secretary: Torrence Johnson (U.S.A.)

Polar Meteorology (ICPM)

President: John Turner (U.K.)

Secretary: Andrew Carleton (U.S.A.)

Ozone (IOC)

President: Robert D. Hudson (U.S.A.)

Vice President: Toshihiro Ogawa (Japan)

Secretary: Christos Zerefos (Greece)

Radiation (IRC)

<http://cimss.ssec.wisc.edu/irc/>

<http://www.ccsr.u-tokyo.ac.jp/~ishii/IRC/>

President: Herbert Fischer (Germany)

Vice President: Teruyuki Nakajima (Japan)

Secretary: Robert Ellingson (U.S.A.)

PAST IAMAS PRESIDENTS

1919-1930	N. Shaw (U.K.)
1930-1936	A. Wallen (Sweden)
1936-1948	S. Chapman (U.K.)
1948-1951	J. Bjerknes (U.S.A.)
1951-1954	K.R. Ramanathan (India)
1954-1957	C.G. Rossby (Sweden)
1957-1960	J. Van Mieghem (Belgium)
1960-1963	H.R. Byers (U.S.A.)
1963-1967	A.M. Oboukhov (U.S.S.R.)
1967-1971	R.C. Sutcliffe (U.K.)
1971-1975	S. Fritz (U.S.A.)
1975-1979	Ch. Junge (F.R.Germany)
1979-1983	W.L. Godson (Canada)
1983-1987	H.J. Bolle (Austria)
1987-1991	G.B. Tucker (Australia)
1991-1995	B.J. Hoskins (U.K.)
1995-1999	R.A. Duce (U.S.A.)
1999-2003	H.C. (Huw) Davies (Switzerland)

PAST IAMAS GENERAL SECRETARIES

1919-1922	M. Marvin
1922-1927	F. Eredia (Italy)
1927-1936	Ph. Werhlé (France)
1936-1948	J. Bjerknes (U.S.A.)
1948-1954	J. Van Mieghem (Belgium)
1954-1960	R.C. Sutcliffe (U.K.)
1960-1975	W.L. Godson (Canada)
1975-1987	S. Ruttenberg (U.S.A.)
1987-1995	M. Kuhn (Austria)
1995-	Roland List (Canada)

VII. International Association of the Physical Sciences of the Ocean (IAPSO)

Association Internationale des Sciences Physiques de l'Océan (AISPO)

<http://www.IUGG.org/IAPSO>

At the First IUGG General Assembly (Rome, 1922), the *Section d'Océanographie* became one of the constituent Sections of the Union. At the IV IUGG General Assembly (Stockholm, 1930) it became the *International Association of Physical Oceanography*. It took its present name at the XIV IUGG General Assembly (Zurich, 1967).

IAPSO EXECUTIVE BUREAU 1999-2003

President: Paola Rizzoli (U.S.A.)
Secretary-General: Fred E. Camfield (U.S.A.)

IAPSO EXECUTIVE COMMITTEE 1999-2003

Vice-Presidents: John A. Johnson (U.K.),
S. Krishnaswami (India)
Deputy Secretary General: Maria Cintia Piccolo (Argentina)
Members: Mario Astraldi (Italy)
Kentang Le (China)
Shiro Imawaki (Japan)
Andrzej Zielinski (Poland)
Eugene G. Morozov (Russia)
Denise Smythe-Wright (U.K.)
Past-President: L. Vere Shannon (South Africa)

IAPSO COMMISSIONS

Mean Sea-Level & Tides

President: Christian Le Provost (France)

Sea Ice

President: Peter Wadhams (United Kingdom)

Cooperation with Developing Countries

President: Subba Rao V. Durvasula (Canada)

JOINT COMMISSIONS

Tsunami Commission (Joint with IASPEI and IAVCEI)

President: Viacheslav K. (Slava) Gusiakov (Russia)

Liaison: F. Camfield (U.S.A.)

Commission on Groundwater Seawater Interactions (Joint with IAHS)

President: E.A. Kontar (Russia)

SERVICES

Permanent Service for Mean Sea Level (affiliated to FAGS)

Director: Philip L. Woodworth (U.K.)

IAPSO Standard Seawater Service

Director: Paul S. Ridout (U.K.)

PAST IAPSO PRESIDENTS

1919-1922	S.A.S. Prince Albert 1er (Monaco)
1924-1930	Odon de Buen (Spain)
1930-1936	M. Knudsen (Denmark)
1936-1946	B. Helland-Hansen (Norway)
1946-1951	H.U. Sverdrup (Norway)
1951-1954	J. Proudman (U.K.)
1954-1960	H. Mosby (Norway)
1960-1963	G.E.R. Deacon (U.K.)
1963-1967	R. Revelle (U.S.A.)
1967-1970	G. Dietrich (F.R. Germany)
1970-1975	H. Lacombe (France)
1975-1979	R.W. Stewart (Canada)
1979-1983	D. Lal (India)
1983-1987	W.M. Krauss (F.R. Germany)
1987-1991	J.-J. O'Brien (U.S.A.)
1991-1996	R.D. Muench (U.S.A.)
1996-1999	L.V. Shannon (South Africa)
1999-2003	P. Rizzoli (U.S.A.)

PAST IAPSO GENERAL SECRETARIES

1919-1930	G. Magrini (Italy)
1930-1948	J. Proudman (U.K.)
1948-1951	H. Mosby (Norway)
1951-1954	R.H. Fleming (U.S.A.)
1957-1963	B. Kullenberg (Sweden)
1963-1967	I. Hela (Finland)
1967-1970	A.E. Maxwell (U.S.A.)
1970-1987	E.C. LaFond (U.S.A.)
1987-1995	R.E. Stevenson (U.S.A.)
1995-	F. E. Camfield (U.S.A.)

VIII. International Association of Seismology and Physics of the Earth's Interior (IASPEI)

Association Internationale de Séismologie et de Physique de l'Intérieur de la Terre (AISPIT)

<http://www.iaspei.org>

At the Sixth International Congress of Geography (London, 1895), Professor G. Gerland (Germany) pointed out the necessity of an international cooperation in seismology. At the Seventh Congress (Berlin, 1899) a *Commission séismologique permanente* was created. The first meeting of the Commission was held in Strasbourg in 1901 under the name of *Première Conférence Séismologique Internationale*. Subsequent conferences were held in Strasbourg (1903) and Berlin (1905). The *Association Internationale de Séismologie* was created at the Strasbourg meeting. It consisted of a *Bureau* and of a *Commission Permanente*. The latter met in Rome (1906), The Hague (1907), Zermatt (1910), Manchester (1911), and Strasbourg (1922). General Assemblies were held jointly in The Hague, Manchester, and Strasbourg. The Association was dissolved by the Strasbourg General Assembly. At the first IUGG General Assembly (Rome, 1922), it became one of the constituent Sections of the Union. It changed its name to *International Association of Seismology* at the IV IUGG General Assembly (Stockholm, 1930). It took its present name at the IX IUGG General Assembly (Bruxelles, 1951). For a detailed account of the history of the International Association of Seismology and Physics of the Earth's Interior, see : J.H. Hodgson, *Our Association, its Past as a Guide to its Future*, published in *Comptes Rendus de l'AISPIT*, n 15, Première Partie, pp. 12-28, and *Fifty Years of the International Association of Seismology (1901-1951)* by J.-P. Rothé (18 pages).

IASPEI BUREAU 1999-2003

<i>President:</i>	Brian L.N. Kennett (Australia)
<i>First Vice-President:</i>	Domenico Giardini (Switzerland)
<i>Second Vice-President:</i>	Takehiko Yagi (Japan)
<i>SecretaryGeneral/Treasurer:</i>	E.R. Engdahl (U.S.A.)
<i>Associate Secretary General</i>	Peter Suhadolc (Italy)

IASPEI EXECUTIVE COMMITTEE 1999-2003

Members: Uli Christensen (Germany), Diana Comte (Chile), E.R. Engdahl (U.S.A.), Claude Froidevaux (France), Domenico Giardini (Switzerland), Brian L.N. Kennett (Australia), Barbara Romanowicz (U.S.A.), Takehiko Yagi (Japan), Wu, Zhongliang (China)

IASPEI REPRESENTATIVES TO OTHER GROUPS

IAGA/IASPEI Working Group on the Re-Use of Submarine Telephone Cables: J. Kasahara (Japan)

IAPSO/IASPEI/IAVCEI Joint Tsunami Commission: K. Satake (Japan)

IAU/IUGG Working Group on Non-Rigid Earth Mutations: B.A. Buffett (Canada)

ICSU Panel on World Data Centers: T. Ahern (U.S.A.)

ISC Executive Committee: O.E. Starovoit (Russia)

IUGG Committee for Mathematical Geophysics: R. Sneider (The Netherlands)

IUGS/IUGG Commission on the Lithosphere: S. Gregersen (Denmark)

SCAR (Solid Earth Geophysical Working Group): S.K. Verma (India)

IASPEI COMMISSIONS

Commission on Physics and Chemistry of Earth Materials (Joint with IAVCEI)

Chair: D.B. Dingwell (Germany)

Vice-Chair: S. Franck (Germany)

Secretary: S.L. Webb (Australia)

Commission on Volcano Seismology (Joint with IAVCEI)

Acting Co-Chairs: B. Chouet (U.S.A.), Y. Ida (Japan)

International Heat Flow Commission

Chair: I.T. Kukkonen (Finland)

Vice-Chair: D.S. Chapman (U.S.A.)

Past Chair: V. Cermak (Czech Republic)

Secretary: C. Clauser (Germany)

Vice-Secretary: J. Safanda (Czech Republic)

Commission on Tectonophysics

Acting Chair (to 2003): D. Comte (Chile)

Task Group on World Stress Map Project

Chair: K. Fuchs (Germany)

Commission on Earthquake Hazard, Risk and Strong Ground Motion

Chair: Wu, Zhongliang (China)

Members: Y.T. Chen (China), G.F. Panza (Italy), K. Shedlock (U.S.A.)

Commission on Earth Structure and Geodynamics

Co-Chairs: U. Christensen (Germany), B. Romanowicz (U.S.A.)

Working Group on Reference Earth Models

Chair: G. Laske (U.S.A.)

Working Group on Subduction Zones Located in Developing Countries

Chair: S. Widiyantoro (Indonesia)

Commission on Seismological Observation and Interpretation

Chair: J. Havskov (Norway)

Secretary: P. Bormann (Germany)

Working Group on Reference Events

Chair: E.R. Engdahl (U.S.A.)

Members: E.A. Bergman (U.S.A.), I. Bondar (U.S.A.), P. Firbas (CTBTO)

Working Group on Standard Phase Names

Chair: D.A. Storchak (ISC)

Members: P. Bormann (Germany), E.R. Engdahl (U.S.A.), J. Havskov (Norway), B.L.N. Kennett (Australia), J. Schweitzer (Norway)

Working Group on Magnitude Measurements

Chair: K. Shedlock (U.S.A.)

Members: P. Bormann (Germany), S. Gregersen (Denmark)

Working Group on Multiple Event Location

Chair: P.G. Richards (U.S.A.)

Members: E.R. Engdahl (U.S.A.), Ray Willemann (ISC)

Task Group on Scattering and Heterogeneity

Chair: R-S. Wu (U.S.A.)

Commission on Earthquake Sources - Prediction and Modelling

Acting Chair (to 2003): K. Satake (Japan)

Commission on Education and Outreach

Acting Chair D. Jackson (U.S.A.)

(to 2003):

Members: P. Bormann (Germany), G. Gibson (Australia), V.M. Hamza (Brazil)

International Commission on Earth Sciences in Africa

Chair: A. Kampunzu (Botswana)
Vice-Chair: S. Abdelsalaam (Sudan)
Secretary-General: F. Tembo (Zambia)
Treasurer: S. McCourt (South Africa)

Asian Seismological Commission

President: S. Balassanian (Armenia)
First Vice-President: D.A. Rhoades (New Zealand)
Second Vice-President: M.R. Gheitanchi (Iran)
Secretary-General: Zhu, Chuanzhen (China)

European Seismological Commission

President: L.A. Mendes-Victor (Portugal)
Vice-Presidents: D. Giardini (Switzerland), C. Eva (Italy)
Secretary-General: P. Suhadolc (Italy)
Assistant Secretary-General: A.B. Walker (UK)

Federation of Digital Broadband Seismograph Networks

Chair: Y. Fukao (Japan)
Secretary: T. Ahern (U.S.A.)
Ex Officio: K. Shedlock (U.S.A.)

International Ocean Network

Chair: B. Romanowicz (U.S.A.)

IAGA/IASPEI/IAVCEI Working Group on Electromagnetic Studies of Earthquakes and Volcanoes

Co-Leaders: S. Uyeda (Japan)
Secretary: Toshiyasu Nagao (Japan)
IASPEI Liaison: Malcolm Johnston (U.S.A.)

PAST IASPEI PRESIDENTS

1907	L. Palazzo (Italy)
1907-1911	A. Schuster (U.K.)
1911-1916	B. Galitzin (Russia)
1916-1922	G. Lecointe (Belgium)
1922-1930	H.H. Turner (U.K.)
1930-1936	E. Oddone (Italy)
1936-1940	N.H. Heck (U.S.A.)
1940-1951	R. Stoneley (U.K.)
1951-1954	B. Gutenberg (U.S.A.)
1954-1957	K.E. Bullen (Australia)
1957-1960	H. Jeffreys (U.K.)
1960-1963	P. Byerly (U.S.A.)
1963-1967	J. Hodgson (Canada)
1967-1971	K. Wadati (Japan)
1971-1975	V.A. Magnitsky (U.S.S.R.)
1975-1979	H. Berckhemer (F.R. Germany)
1979-1983	B.A. Bolt (U.S.A.)
1983-1987	Z. Suzuki (Japan)
1987-1991	St. Müller (Switzerland)
1991-1995	A.V. Nikolaev (Russia)
1995-1999	C. Froidevaux (France)
1999-2003	B.L.N. Kennett (Australia)

PAST IASPEI GENERAL SECRETARIES

1907-1922	R. de Kovesligethy (Hungary)
1922-1942	E. Rothé (France)
1942-1971	J.P. Rothé (France)
1971-1979	J.C. de Bremaecker (U.S.A.)
1979-1991	R.D. Adams (U.K.)
1991-	E.R. Engdahl (U.S.A.)

X. International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI); Association Internationale de Volcanologie et de Chimie de l'Intérieur de la Terre (AIVCIT)

<http://www.iavcei.org>

At the First General Assembly of IUGG (Rome, 2-10 May 1922), the *Section de Vulcanologie* became one of the constituent sections of the Union. This name was changed into *Association Internationale de Vulcanologie* at the Fourth General Assembly (Stockholm 1930). It took its present name at the Moscow General Assembly (1971).

IAVCEI BUREAU

<i>President:</i>	R.S.J. Sparks (U.K.)
<i>Vice-Presidents:</i>	Joerg Keller (Germany), Tadahide Ui (Japan)
<i>Secretary-General:</i>	Steve McNutt (U.S.A.)
<i>Members:</i>	Toshitsugu Fujii (Japan)
	Bruce Houghton (New Zealand)
	Jocelyn McPhie (Australia)
	Hugo Moreno (Chile)
	Raden Sukhar (Indonesia)
<i>Past-President:</i>	Grant Heiken (U.S.A.)
<i>Editor BV:</i>	Tim Druitt (France)
<i>Deputy Sec.-Gen.:</i>	Jim Gardner (U.S.A.)
<i>Membership Secretariat:</i>	Caroline Giddings (Australia)
<i>Administrative Assistant:</i>	Jean Chiu (U.S.A.)

IAVCEI COMMISSIONS

Commission on Physics and Chemistry of Earth Materials (joint with IASPEI)

<i>Co-Leaders:</i>	D. Dingwell (Germany)
<i>Vice-Chair</i>	S. Franck (Germany)
<i>Secretary:</i>	S.L. Webb (Australia)

Commission on Granites

<i>Leader:</i>	Nick Petford (UK)
<i>Secretary:</i>	Sandeep Singh (India)

Commission on Large-Volume Basaltic Provinces

Leader: Martin Menzies (U.K.)
Secretary: John R. Hopper (Denmark)

Commission on the Chemistry of Volcanic Gases

Leader: Marino Martini (Italy)
Secretary: Jun-ichi Hirabayashi (Japan)
Newsletter Editor: Hiroshi Shinohara (Japan)

Commission on Volcanic Lakes

Leader: Johan C. Varekamp (U.S.A.)
Secretary: Alain Bernard (Belgium)

Commission on Explosive Volcanism

Co-Leaders: Paul Cole (U.K.), Guido Giordano (Italy)

Commission on Volcanogenic Sedimentation

Co-Leaders: Ian Skilling (South Africa), James White (New Zealand)

Commission on Volcanism and the Earth's Atmosphere

Leader: Greg Zielinski (U.S.A.)
Secretary: Alan Robock (U.S.A.)

Commission on Remote Sensing

Leader: Dave Rothery (U.K.)
Secretary: Takayuki Kaneko (Japan)
Newsletter Editor: Scott K. Rowland (U.S.A.)

Commission on Volcanic Seismology

Co-Leaders: Bernard Chouet (U.S.A.), Yoshiaki Ida (Japan)
Secretary: Harley Benz (U.S.A.)

World Organization of Volcano Observatories

Leader: Chris Newhall (U.S.A.)

Commission on Mitigation of Volcanic Disasters

Leader: Giovanni Orsi (Italy)
Secretary: Claus Siebe (Mexico)

Commission on Ocean Island Volcanism

Co-Leaders: Jackie Dixon (U.S.A.), Joan Marti (Spain)

Commission on Arc Magmatism

Co-Leaders: Jon Davidson (U.S.A.), John Gamble (New Zealand)

International Heat Flow Commission (joint with IASPEI and IAPSO)

Leader: I.T. Kukkonen (Finland)

Secretary: Ch. Clauser (Germany)

Tsunami Commission (Joint with IAPSO and IASPEI)

President: V.K. Gusiakov (Russia)

Liaisons: Y. Nishimura (Japan)

IAGA/IASPEI/IAVCEI Working Group on Electromagnetic Studies of Earthquakes and Volcanoes

Leader: S. Uyeda (Japan)

Secretary: Toshiyasu Nagao (Japan)

IAVCEI Liaison: Malcolm Johnston (U.S.A.)

PAST IAVCEI PRESIDENTS

1919-1922	A. Ricco (Italy)
1922-1927	A. Lacroix (France)
1927-1933	A. Malladra (Italy)
1933-1936	C.A. Ktenas (Greece)
1936-1948	A. Michel-Lévy (France)
1948-1954	G.B. Escher (Netherlands)
1954-1963	A. Rittmann (Switzerland/Italy)
1963-1967	H. Kuno (Japan)
1967-1971	G.A. MacDonald (U.S.A.)
1971-1975	G.S. Gorshkov (U.S.S.R.)
1975-1979	R.W. Decker (U.S.A.)
1979-1983	S.A. Fedotov (U.S.S.R.)
1983-1987	I.G. Gass (U.K.)
1987-1991	S. Aramaki (Japan)
1991-1995	P. Gasparini (Italy)
1995-1999	G. Heiken (U.S.A.)
1999-2003	R.S.J. Sparks (U.K.)

PAST IAVCEI GENERAL SECRETARIES

1919-1936	A. Malladra (Italy)
1936-1960	F. Signore (Italy)
1960-1967	F. Penta (Italy)
1967-1975	P. Evrard (Belgium)
1975-1983	P.E. Baker (U.K.)
1983-1991	H.U. Schmincke (F.R. Germany)
1991-1999	R.W. Johnson (Australia)
1999-	S.R. McNutt (U.S.A.)

X. NATIONAL COMMITTEES, ADHERING ORGANIZATIONS, NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

ANNUAIRE 2002 YEARBOOK

The composition of the National Committees and, in consequence, the names of the officially accredited national representatives to the Union and its seven Associations are in conformity with what was communicated to us in 2001.

La composition des Comités Nationaux et par voie de conséquence les noms des représentants nationaux officiellement accrédités auprès de l'Union et de ses sept Associations sont conformes à ce qui nous a été communiqué en 2001.

ALBANIA - ALBANIE

Adhering Organization

Ministry of High Education & Scientific Res.
Boulevard Zhan d'Ark Nr. 2
AL-TIRANA

NATIONAL COMMITTEE

President: Tamara EFTIMI
Secretary General: Betim MUCO

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Pandeli STOJA Gezim Bisha HAJDARI	IAMAS:	Agim SELENICA
IASPEI:	Betim MUCO Eduard SULSTAROVA	IAHS:	Mitat SANXHAKU
IAVCEI:		IAPSO:	
IAGA:	Salvatore BUSHATI Bejo DUKA		

ALGERIA - ALGERIE

Adhering Organization

Centre de Recherche en Astronomie Astrophysique et Geophysique
Boite Postale 63
16340 BOUZAREAH DZ

NATIONAL COMMITTEE

President: Abdelkarim YELLES-CHAOUCHE
Secretary General:

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Ali HALIMA-MANSOUR	IAMAS:	Athmane ZEHAR
IASPEI:	Abdelkarim YELLES- CHAOUCHE	IAHS:	Abdelmadjid DEMMAK
IAVCEI:		IAPSO:	Mustapha BOULAHIDID
IAGA:	Abdelkader ABTOUT		

ARGENTINA - ARGENTINE

Adhering Organization

Comite Nacional de la Union Geodesica y
Geofisica Internacional
Cabildo 381
1426 Buenos Aires

NATIONAL COMMITTEE

President: Cnl. Ing. Mil. Ricardo César MILLET
Executive Vice-President: Dra. Corina RISSO
Second Vice-President: Lic. Nora C. SABBIONE
Secretary General: Tcnl. Jorge Pablo SORIA
Assistant Secretary General: Agrim. Rubén Carlos RAMOS
Treasurer: Licenciada Maria Josefa FIORITI
www.igm.gov.ar

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Eduardo Andres LAURIA	IAMAS:	Manuel Hipólito PICASSO
IASPEI:	Nora SABBIONE	IAHS:	Maria Josefa FIORITI
IAVCEI:	Corina RISSO	IAPSO:	Gerardo M.E. PERILLO
IAGA:	Geof. Cristina POMPOSIELLO		

Republic of ARMENIA

Adhering Organization

National Survey for Seismic Protection
Government of the Republic of Armenia
Davidashen Massiv 4
375054 YEREVAN
office@nssp-gov.am
<http://www.nssp-gov.am>

NATIONAL COMMITTEE

President: Serguei BALASSANIAN
Secretary: Sergey NAZARETYAN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Raphael MOVSESSIAN	IAMAS:	Gennady KOJOYAN
IASPEI:	Avetis ARAKELYAN	IAHS:	Vladimir BOYNAGRAN
IAVCEI:		IAPSO:	
IAGA:	Samvel HOVHANISSIAN		

AUSTRALIA - AUSTRALIE

Adhering Organization

Australian Academy of Science
Ian Potter House - Gordon Street
GPO Box 783
Canberra ACT 2601

NATIONAL COMMITTEE

National Relations Officer: Trish NICHOLLS

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Richard COLEMAN	IAMAS:	A. HENDERSON-SELLERS
IASPEI:	David DENHAM	IAHS:	Jetse D. KALMA
IAVCEI:	Ray CAS	IAPSO:	Ian S.F. JONES
IAGA:	B.J. FRASER		

AUSTRIA - AUTRICHE

Adhering Organization

Österreichische Akademie der Wissenschaften
Dr. Ignaz-Seipel-Platz 2
A 1010 Vienna

NATIONAL COMMITTEE

President: Siegfried J. BAUER
Secretary: Christoph TWAROCH

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Erhard ERKER	IAMAS:	Michael KUHN
IASPEI:	Wolfgang. LENHARDT	IAHS:	Franz NOBILIS
IAVCEI:	Gerhard MAYER	IAPSO:	Heinz LÖFFLER
IAGA:	Siegfried J. BAUER Peter STEINHAUSER		

BELGIUM - BELGIQUE

Adhering Organizations

The Royal Academies of Science and
the Arts of Belgium
Palais des Academies-Paleis der
Academien
Rue Ducale, 1,
Hertogsstraat
B-1000 BRUSSELS

Koninklijke Academie van België
Paleis der Academieën
Hertogsstraat, 1
1000 Brussel

NATIONAL COMMITTEE

President: André L. BERGER

Vice-President: Etienne ARIJS

Secretary: Bernard DUCARME

Adjunct Secretary: Dirk DE MUER

Contact Staffperson: Niki VERVAEKE

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: Véronique DEHANT
IASPEI: Roland VERBEIREN
IAVCEI: Alain BERNARD
IAGA: Marc SCHERER

IAMAS: André L. BERGER
IAHS: François DE TROCH
IAPSO: François RONDAY

BRAZIL - BRESIL

Adhering Organization

Diretoria de Geociencias
Instituto Brasileiro de Geografia e Estatistica
Avenida Brasil 15671, Bloco III-B
Parada de Lucas, Rio de Janeiro 21241-051
<http://www.ibge.gov.br>

NATIONAL COMMITTEE

Director: Angelo Jose PAVAN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: Denisar BLITZKOW
IASPEI:
IAVCEI:
IAGA: Luis Muniz BARRETO

IAMAS:
IAHS: Carlos E.M. TUCCI
IAPSO:

BULGARIA - BULGARIE

Adhering Organization
Bulgarian Academy of Sciences
ul. 15 Noemvri, 1
Sofia 1040

NATIONAL COMMITTEE
President: Dimitar JORDANOV
Secretary: N. GEORGIEV

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	N. GEORGIEV	IAMAS:	
IASPEI:		IAHS:	
IAVCEI:		IAPSO:	
IAGA:	Mary KOVACHEVA		

CANADA

Adhering Organization
National Research Council of Canada
Bureau of International Relations
Ottawa Ontario K1A 0R6
T: 613 993 0987
F: 613 952 9696
<http://www.cgu-ugc.ca/cnc-iugg/>

NATIONAL COMMITTEE
President: Ronald E. STEWART
Secretary: Hamid JORJANI

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Spiros PAGIATAKIS	IAMAS:	Charles LIN Ronald E. STEWART
IASPEI:	Keith E. LOUDEN Bruce BUFFETT	IAHS:	Jon PRICE Nigel ROULET
IAVCEI:	John STIX Catherine J. HICKSON	IAPSO:	Michael G. G. FOREMAN Michael STACEY
IAGA:	Randy ENKIN R.E. HORITA		

CHILE - CHILI

Adhering Organization
Instituto Geografico Militar
Nueva Santa Isabel 1640
Santiago
igm@igm.cl
www.igm.cl

NATIONAL COMMITTEE
President: Pablo Gran LOPEZ
Secretary: Luis Alegria MATTA

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Pablo Gran LOPEZ	IAMAS:	Nathan Makuc MUNOZ
IASPEI:	Edgar G. KAUSEL VECCHIOLA	IAHS:	
IAVCEI:	Jose A. NARANJO	IAPSO:	Fernando MINGRAM
IAGA:			

CHINA - CHINE

Adhering Organization
Chinese National Committee for IUGG
Institute of Geophysics, China Seismological Bureau
5 Minzu Xueyuan Nan Road
Beijing 100081

NATIONAL COMMITTEE
President: Junyong CHEN
Vice-President: Yun-tai CHEN
Secretary General: Chuanzhen ZHU
F: 86 10 6841 5372
zhucz@public.fhnet.cn.net

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Jianguo HU	IAMAS:	Guoxiong WU
IASPEI:	Zhongliang WU	IAHS:	Jichang SUN
IAVCEI:	Zenhua ZHAO	IAPSO:	Kentang LE
IAGA:	Zhenxing LIU		

COLOMBIA - COLUMBIE

Adhering Organization

Colombian Committee of Geodesy and Geophysics (CCGG)
Instituto Geográfico Agustín Codazzi
Carrera 30 No. 48-51
Santafé de Bogotá, D.C.

NATIONAL COMMITTEE

President: Santiago Borrero MUTIS
Vice-President: Julián Escallón SILVA
Treasurer: William Martínez DÍAZ

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Pedro Sandoval CAVANZO	IAMAS:	Humberto González MARENTES
IASPEI:	Alvaro NIETO	IAHS:	Juan Manuel SOLTAU
IAVCEI:	Martha Lucía CALVACHE	IAPSO:	Julián Reyna MORENO
IGA:	William Arias LÓPEZ		

CROATIA - CROATIE

Adhering Organization

Croatian Academy of Sciences
Zrinski trg 11
10000 Zagreb
T: 385 1 4819 979
F: 385 1 4872 902

NATIONAL COMMITTEE

President: Dragutin SKOKO
Secretary: Damir MEDAK

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Damir MEDAK	IAMAS:	Drazen POJE
IASPEI:	Marijan HERAK	IAHS:	Ognjen BONACCI
IAVCEI:		IAPSO:	Mirko ORLIC
IGA:	Vladis VUJNOVIC		

CZECH REPUBLIC - REPUBLIQUE TCHEQUE

Adhering Organization

Academy of Sciences of the Czech Republic
Narodni 3
117 20 Praha 1

NATIONAL COMMITTEE

President: Vladimir CERMAK
Vice-President: Otakar ZIKMUNDA
Secretary: Petr HOLOTA

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Petr HOLOTA	IAMAS:	Otakar ZIKMUNDA
IASPEI:	Jaroslava PLOMEROVA	IAHS:	Josef HLADNY
IAVCEI:	Jiri VANEK	IAPSO:	
IAGA:	Pavel HEJDA		

DENMARK - DANEMARK

Adhering Organization

Det Kongelige Danske Videnskabernes Selskab
H.C. Andersens Boulevard 35
1553 Kobenhavn V

NATIONAL COMMITTEE

President: Soren GREGERSEN
Secretary: Dortha Dahl JENSEN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Frede MADSEN	IAMAS:	Aksel HANSEN
IASPEI:	Soren GREGERSEN	IAHS:	Dan ROSBJERG
IAVCEI:	Paul HOLM	IAPSO:	Niels Kristian HOJERSLEV
IAGA:	Eigil FRIIS- CHRISTENSEN		

EGYPT- EGYPTE

Adhering Organization

Academy of Scientific Research and Technology
101 Kasr El-Eini Street
Cairo

NATIONAL COMMITTEE

President: Attia ASHOUR
Secretary: Nasser ASHOUR

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Ali Abdel Azim TEALEB	IAMAS:	S. Sharaf EL DIN
IASPEI:	S.R. ISMAIL	IAHS:	Nasser M.H.Abou ASHOUR
IAVCEI:	S.R. ISMAIL	IAPSO:	S. Sharaf EL-DIN
IAGA:	H.A. DEEBESS		

ESTONIA - ESTONIE

Adhering Organization

Estonian Academy of Sciences
Kohtu 6
Tallinn EE 106

NATIONAL COMMITTEE

President: Rein ROOM
Secretary: Kalju EERME

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Ants TORIM	IAMAS:	Piia POST
IASPEI:	Tarmo ALL	IAHS:	Enn LOIGU
IAVCEI:	Jaan KIVISILLA	IAPSO:	Jüri ELKEN
IAGA:	Kalju EERME		

**FEDERAL REPUBLIC OF YUGOSLAVIA
RÉPUBLIQUE FÉDÉRATIVE DE YOUGOSLAVIE**

Adhering Organization

University of Belgrade
Faculty of Civil Engineering
B. Revolucije 73/1
YU-11000 Beograd

NATIONAL COMMITTEE

President: Miroslav STARCEVIC

Secretary: Ivana VASILJEVIC

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Ivan ALEKSIC	IAMAS:	Mladen CURIC
IASPEI:	Branislav GLAVATOVIC	IAHS:	Zoran M. RADIC
IAVCEI:	Dragan MILOVANOVIC	IAPSO:	Branislav IGIC
IAGA:	Desanka SULIC		

FINLAND - FINLANDE

Adhering Organization

Delegation of the Finnish Academies of Sciences and Letters
Mariankatu 5
FIN-00170 Helsinki

NATIONAL COMMITTEE

President: Juhani KAKKURI

Secretary: Heikki NEVANLINNA

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Juhani KAKKURI	IAMAS:	Mikko ALESTALO
IASPEI:	Pekka HEIKKINEN	IAHS:	Pertti SEUNA
IAVCEI:	Ilmari HAAPALA	IAPSO:	Pentti MÄLKKI
IAGA:	Heikki NEVANLINNA		

FRANCE

Adhering Organization

Académie des Sciences
23, Quai de Conti
75006 Paris

<http://www.omp.obs-mip.fr/cnfgg/>

NATIONAL COMMITTEE

President: Jean Louis CHEMINÉE

First Vice-President: Michel MENVIELLE

Secretary General: Jean-Pierre BARRIOT

Treasurer: Roland SCHLICH

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Claude BOUCHER	IAMAS:	
IASPEI:	Pascal RICHET	IAHS:	Jean-Claude OLIVRY
IAVCEI:	Jean-François LÉNAT	IAPSO:	Michel CREPON
IAGA:	Alain HAUCHECORNE		

GERMANY - ALLEMAGNE

Adhering Organization

Bundesanstalt für Geowissenschaften und Rohstoffe
Alfred-Bentz-Haus - Postfach 51 01 53
30631 Hannover

NATIONAL COMMITTEE

President: G TETZLAFF

Secretary: Karl HINZ

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Bernhard HECK	IAMAS:	G TETZLAFF
IASPEI:	Rainer KIND	IAHS:	Wolfhard SYMADER
	Helmut AICHELE		Gert A. SCHULTZ
IAVCEI:	Hans-Ulrich	IAPSO:	Jürgen SÜNDERMANN
	SCHMINCKE		Wielfried ZAHEL
IAGA:	Volker HAAK		
	Karl-Heinz		
	GLASSMEIER		

GREECE - GRECE

Adhering Organization

Hellenic National Committee for Geodesy and Geophysics
Evelpidon 4, Hellenic Military Geographic Service
Pedion Areos 113 62, Athens.
T: 8842812 - 772.2668
F: 8817376 - 772.2670

NATIONAL COMMITTEE

President: G. VEIS
Vice-President: Gr. KOSTAKIS
Secretary: Harialos BILLIRIS

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	George VEIS	IAMAS:	Alexandros EKONOMOOU
IASPEI:	Vasilios PAPAZACHOS	IAHS:	George TSAKIRIS
IAVCEI:	George BOUGIOUKALAKIS	IAPSO:	Alexandros MARATOS
IAGA:	Grammenos KOSTAKIS		

HUNGARY - HONGRIE

Adhering Organization

Hungarian Academy of Sciences
PO Box 6, Nádor u. 7
H-1361 Budapest

NATIONAL COMMITTEE

President: Jozsef ADAM
Secretary: Laszlo BOZO

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Jozsef ADAM	IAMAS:	Laszlo BOZO
IASPEI:	Zoltán WÉBER	IAHS:	Ödön STAROSOLSZKY
IAVCEI:	György PANTO	IAPSO:	Rudolf CZELNAI
IAGA:	József VERO		

ICELAND - ISLANDE

Adhering Organization

Rannsoknarrad Islands (The Icelandic Research Council)

Laugavegur 13

IS-101 Reykjavik

T: 354 515 5800

F: 354 552 9814

NATIONAL COMMITTEE

President: Guðmundur PALMASON

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Magnus GUDMUNDSSON	IAMAS:	Magnus JONSSON
IASPEI:	Ragnar STEFANSSON	IAHS:	Arni SNORRASON
IAVCEI:	Guðmundur E. SIGVALDASON	IAPSO:	Jon OLAFSSON
IAGA:	Thorsteinn SAEMUNDSSON		

INDIA - INDE

Adhering Organization

Indian National Science Academy

Bahadur Shah Zafar Marg

New Delhi 110 002

NATIONAL COMMITTEE

Chairman: Harsh K. GUPTA

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	N.K. AGARWAL	IAMAS:	B.N. GOSWAMI
IASPEI:	Sri NIWAS	IAHS:	S. CHANDER
IAVCEI:	D.K. PAUL	IAPSO:	S.W.A. NAQVI
IAGA:	A. BHATTACHARYA		

INDONESIA - INDONESIA

Adhering Organization

Lembaga Ilmu Pengetahuan Indonesia
Jalan Gatot Subroto
Jakarta

NATIONAL COMMITTEE

President: Joenil KAHAR
Vice-President: Klaas J. VILLANUEVA
Secretary: Hery HARJONO

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Hasanuddin Z. ABIDIN	IAMAS:	Hery HERJANTO
IASPEI:	Sigit SUKMONO	IAHS:	Joesron LOEBIS
IAVCEI:	Wimpy S. TJETJEP	IAPSO:	Safwan HADI
IAGA:	Hendar GUNAWAN		

IRAN

Adhering Organization

Institute of Geophysics
Tehran University, P.O. Box 14155
6466 Tehran

NATIONAL COMMITTEE

President: Nasrollah KAMALIAN
Secretary: Bahram AKASHEH

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Hossein ZOMORRODIAN	IAMAS:	A. Ali-Akbri BIDOKHTI
IASPEI:	Mohammad Reza GHEITANCHI	IAHS:	Mohammad K. HAFIZI
IAVCEI:	Jamshid HASSANZADEH	IAPSO:	Hossein ZOMORRODIAN
IAGA:	Nasser H. GUYA		

IRELAND - IRLANDE

Adhering Organization

Royal Irish Academy
19 Dawson Street
Dublin 2
T: 353 1 676 2570
F: 353 1 676 2346
www.ria.ie

NATIONAL COMMITTEE

President: Peter LYNCH
Secretary: Peter READMAN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Colin D. BRAY	IAMAS:	Peter LYNCH
IASPEI:	A.W. Brian JACOB	IAHS:	Peter BENNETT
IAVCEI:	Chris J. STILLMAN	IAPSO:	Peter BOWYER
IAGA:	Colin BROWN		

ISRAEL

Adhering Organization

The Israel Academy of Sciences and Humanities
P.O.Box. 4040
Jerusalem 91040
T: 972-2-567-6222
F: 972-2-566-6059
boblap@academy.ac.il

NATIONAL COMMITTEE

Chair: Uri SHAMIR

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Gilad EVEN-ZUR	IAMAS:	Zev LEVIN
IASPEI:	Avi SHAPIRA	IAHS:	Jonathan B. LARONNE
IAVCEI:	Oded NAVON	IAPSO:	Yossi MART
IAGA:	Boris GINZBURG		

ITALY - ITALIE

Adhering Organization

Consiglio Nazionale delle Ricerche
Piazzale Aldo Moro 7
0081 ROMA

NATIONAL COMMITTEE

President: Lucio UBERTINI

Secretary: N. FRANCIOLINI

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Iginio MARSON	IAMAS:	Giorgio FIOCCO
IASPEI:	Enzo BOSCHI	IAHS:	Lucio UBERTINI
IAVCEI:	Luigi LA VOLPE	IAPSO:	Mario ASTRALDI
IAGA:	Franco MARIANI		

JAPAN - JAPON

Adhering Organization

Science Council of Japan
22-34 Roppongi, 7 Chome
Minato-ku, Tokyo 106-8555

NATIONAL COMMITTEE

Chairperson: Kojiro IRIKURA

Secretary: Kimio HANAWA

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Shuzo TAKEMOTO	IAMAS:	Hideji KIDA
IASPEI:	Matsuhiro MATSU'URA Kiyoshi NAKAZAWA	IAHS:	Michiharu SHIIBA
IAVCEI:	Toshitsugu FUJII	IAPSO:	Kimio HANAWA
IAGA:	Yohsuke KAMIDE		

JORDAN - JORDANIE

Adhering Organization

Royal Jordanian Geographic Centre
P.O. Box 20214
Amman 11114
414 Al Jubayha 11940
JORDAN
Contact Person: M. Malkawi
T: 962 06 5345188
F: 962 06 5347694
Email: rgc@nic.net.jo

NATIONAL COMMITTEE

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:
IASPEI:
IAVCEI:
IAGA:

IAMAS:
IAHS:
IAPSO:

KOREA - COREE

Adhering Organization

The Korean Federation of Science and Technology Societies
635-4 Yeoksam-dong, Gangnam-gu
Seoul 135-703

NATIONAL COMMITTEE

President: Czango BAAG
Secretary: Hong Sic YUN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: Yun Soo CHOI
IASPEI: Wooil M. MOON
IAVCEI: Sung-Tack KWON
IAGA: Byung-Ho AHN

IAMAS: Hyo Sang CHUNG
IAHS: Jong Tae LEE
IAPSO: Yign NOH

LEBANON - LIBAN

Adhering Organization

National Committee for Geophysics
P.O.Box 16-5432
Beirut 1100-2040
LEBANON

NATIONAL COMMITTEE

Secretary: Ali MOUNZER

Treasurer: Alexandre SURSOCK

Contact Person for IAVCEI, IAMAS, IAHS: Mouin HAMZEH

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Alexandre SURSOCK	IAMAS:	
IASPEI:	Rachid JOMAA	IAHS:	
IAVCEI:		IAPSO:	Hratch KUYMJIAN
IAGA:	Alexandre SURSOCK		

LUXEMBOURG

Adhering Organization

Ministère des Affaires Culturelles
Musée National d'Histoire Naturelle, Centre des Sciences de la Terre
19, rue Josy Welter
L-7526 Walferdange

NATIONAL COMMITTEE

President: Nicholas SCHARES

Secretary: Nicolas d'OREYE

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Germain BREGER	IAMAS:	Robert KIPGEN
IASPEI:	Tonie VAN DAM	IAHS:	Robert MAQUIL
IAVCEI:	Nicolas D' OREYE	IAPSO:	Olivier FRANCIS
IAGA:	Nicolas SCHARES		

MALAYSIA - MALAISIE

Adhering Organization

Minerals and Geoscience Department, Malaysia
20th Flr., Tabung Haji Bldg., Jalan Tun Tazak
P.O. Box 11110
50736 Kuala Lumpur

NATIONAL COMMITTEE

National Contact Person: Chen Schick PEI

T: 603 216 11033

F: 603 216 11036

kbip@gsm.gov.my

www.gsm.gov.my

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Abd Majid KADIR	IAMAS:	
IASPEI:	Sooi Keong CHUNG	IAHS:	Num Kiat ANG
IAVCEI:		IAPSO:	
IAGA:	Jamaludin OTHMAN		

MEXICO - MEXIQUE

Adhering Organization

Instituto de Ciencias del Mar y Limnologia
Circuito Investigacion Cientifica
Ciudad Universitaria 04510, D.F.

NATIONAL COMMITTEE

President: Jaime URRUTIA-FUCUGAUCHI

Secretary: Adolfo OROZCO

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Osvsldo SANCHEZ ZAMORA	IAMAS:	Carlos GAY
IASPEI:	Cinna LOMNITZ	IAHS:	Ismael HERRERA REVILLA
IAVCEI:	Servando DE LA CRUZ- REYNA	IAPSO:	David Alberto SALAS DE LEON
IAGA:	Hector PEREZ DE TEJADA		

MONACO

Adhering Organization
Centre Scientifique de Monaco
Villa Girasole
16, Boulevard de Suisse
Monte-Carlo

NATIONAL COMMITTEE

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	IAMAS:	
IASPEI:	IAHS:	Patrick VAN KLAVEREN
IAVCEI:	IAPSO:	
IAGA:		

MOROCCO - MAROC

Adhering Organization
Comité National Marocain de Géodésie et Géophysique
Centre National de Coordination et de Planification de
la Recherche Scientifique et Technique
B.P. 8027 Agdal-Rabat

NATIONAL COMMITTEE

President: Driss BEN SARI
Secretary: Lahsen TIKDIRINE

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Abderrahim BEN YAHIA	IAMAS:	BEN ARFA
IASPEI:	D. TADILI	IAHS:	OUAZAR
IAVCEI:	M. BERAHMA	IAPSO:	Agoumi ORBI
IAGA:	Driss NAJID		

MOZAMBIQUE

Adhering Organization
Republica de Moçambique
Ministerio dos Recursos Minerais
Direcção Nacional de Geologia

NATIONAL COMMITTEE

President: Francisco DA SILVA SUMBANA
Secretary: Cristovao DA COSTA XAVIER, JR.

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Simeao Velemo CAMBACO José Luis QUEMBO	IAMAS:	Atanasto MANHIQUE
IASPEI:	Joaquim Armando MIRA	IAHS:	Cristovao DA COSTA XAVIER, JR. Marcos Sulemane M' PONDA
IAVCEI:	André Moisés SIBAMBO	IAPSO:	Estevao Teofilo JAMES David Filipe CHEMANE
IAGA:	Manuel FARNELA KAMPINE		

MYANMAR

Adhering Organization
Survey Department
Pyidaw Aye Avenue Lane, Kaba Aye Pagoda Road
Yankin Post Office
Yangon
MYANMAR

NATIONAL COMMITTEE

National Contact Person: U Maung Maung TIN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	IAMAS:
IASPEI:	IAHS:
IAVCEI:	IAPSO:
IAGA:	

THE NETHERLANDS - PAYS BAS

Adhering Organization

Koninklijke Nederlandse Akademie van Wetenschappen
P.O. Box 19121
1000 GC Amsterdam

NATIONAL COMMITTEE

President: Floris C. ZUIDEMA
Secretary: Peter J. G. TEUNISSEN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Peter J. G. TEUNISSEN	IAMAS:	H.F. VUGTS
IASPEI:	H.W. HAAK	IAHS:	Floris C. ZUIDEMA
IAVCEI:	R.D. SCHUILING	IAPSO:	Wilhemus P.M. DE RUIJTER
IAGA:	J.A. AS		

NEW ZEALAND - NOUVELLE ZELANDE

Adhering Organization

The Royal Society of New Zealand
4 Halswell St., Thorndon
P.O. Box 598
Wellington

NATIONAL COMMITTEE

General Secretary: Martin REYNERS
Correspondent: Eddie DAVIS

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	A.J. BEVIN	IAMAS:	D.S. WRATT
IASPEI:	M. REYNERS	IAHS:	Lindsay ROWE
IAVCEI:	D. JOHNSON	IAPSO:	Steve CHISWELL
IAGA:			

NIGERIA

Adhering Organization

Nigerian Union of Planetary and Radio Sciences
18 Odaliki Street - Ebute - Metta
P.O. Box 3660
Lagos

NATIONAL COMMITTEE

President: R. Oluwole COKER
Vice-President: G.O. AJAYI
General Secretary: H.A. BELLO

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	F.A. FAJEMIROKUN	IAMAS:	E.E. BALOGUN
IASPEI:	A.O. ALABI	IAHS:	Lekan OYEBANDE
IAVCEI:	J.E.A. OSEMEIKHIAN	IAPSO:	F. EGBERONGBE
IAGA:	Ebun ONI		

NORWAY - NORVEGE

Adhering Organization

Den Nasjonale Komite for Geodesi og Geofysikk
Statens Kartverk
Serviceboks 15
3504 Honefess

NATIONAL COMMITTEE

Chairman: Tom A. BLIX
Secretary: Bjorn Geirr HARSSON

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Bjorn Geirr HARSSON	IAMAS:	Sigbjorn GRONAS
IASPEI:	Tormod KVAERNA	IAHS:	Nils Roar SAELTHUN
IAVCEI:	Harald FURNES	IAPSO:	Thomas A. McCLIMANS
IAGA:	Tom A. BLIX		

PAKISTAN

Adhering Organization

The Surveyor General of Pakistan
Muree Road
P.O. Box No. 1068
Rawalpindi

NATIONAL COMMITTEE

President: Major General MAHBOOB-UL-MUZAFFAR

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:		IAMAS:	Anjum Bari FAROOQI
IASPEI:		IAHS:	M. ZAFARYAB
IAVCEI:	Muhammed RAFIQ	IAPSO:	Shahid AMJAD
IAGA:	Salab-ud-Din MALIK		

PERU - PEROU

Adhering Organization

Instituto Geofisico del Peru
Calle Calatrava 216
Urb. Camino Real, La Molina
Lima 12

NATIONAL COMMITTEE

President: Ronald F. WOODMAN
Secretary: Hernán A MONTES

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Edmundo NORABUENA	IAMAS:	Palo LAGOS Ronald F. WOODMAN
IASPEI:	L.C. OCOLA	IAHS:	Antonio MABRES
IAVCEI:	Orlando MACEDO Marco RIVERA, L.C. OCOLA	IAPSO:	Héctor SOLDI Luis PIZARRO
IAGA:	Ronald F. WOODMAN		

PHILIPPINES

Adhering Organization

Coast and Geodetic Survey Department
421 Barraca Street
San Nicolas
1010 Manila

NATIONAL COMMITTEE

President: Roman L. KINTANAR
National Contact Person: Renato B. FEIR

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Renato B. FEIR	IAMAS:	Roman L. KINTANAR
IASPEI:		IAHS:	Leonardo Q. LIONGSON
IAVCEI:		IAPSO:	Renato B. FEIR
IAGA:	Victor L. BADILLO		

POLAND - POLOGNE

Adhering Organization

Polish Academy of Sciences
Palace of Culture & Science
room 2306
00-901 Warsaw

NATIONAL COMMITTEE

President: Lubomir-Wlodzimierz BARAN
Secretary: Adam LYSZKOWICZ

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Jan KRYNSKI Lubomir-Wlodzimierz BARAN	IAMAS:	Krysztof HAMAN Janusz BORKOWSKI
IASPEI:	Slawomir T. GIBOWICZ A. GUTERCH	IAHS:	Zbigniew W. KUNDZEWICZ Witold STRUPCZEWSKI
IAVCEI:		IAPSO:	Czeslaw DRUET
IAGA:	Jerzy JANKOWSKI Andrzej WERNIK		

PORTUGAL

Adhering Organization

SPUIAGG

Instituto Português de Cartografia e Cadastro

Rua Artilharia Um, n 107

1070 Lisboa

NATIONAL COMMITTEE

President: Luis Alberto MENDES-VICTOR

Vice-Presidents: Vitor Manuel MARQUES CAMPOS

Fernando QUINTAS RIBEIRO

Secretary: João Manuel Agria TORRES

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	João Manuel Agria TORRES	IAMAS:	Renato Antero DA COSTA CARVALHO
IASPEI:	Luis Alberto MENDES- VICTOR	IAHS:	
IAVCEI:	Luis AIRES DE BARROS	IAPSO:	
IAGA:	Jorge M. A. MIRANDA		

ROMANIA - ROUMANIE

Adhering Organization

Romanian Academy

RNCGG Secretariat

P.O. Box 31-54

73250 Bucharest

NATIONAL COMMITTEE

President: Dorel ZUGRAVESCU

Secretary General: Constantin Stefan SAVA

F: +40-1-3452056

e-mail: savac@fx.ro

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Constantin SAVULESCU	IAMAS:	Vladimir IVANOVICI Sabina STEFAN
IASPEI:	Dumitru ENESCU Crisan DEMETRESCU	IAHS:	Petru SERBAN
IAVCEI:	Alexandru SZAKACS	IAPSO:	Nicolae PANIN
IAGA:	Andrei SOARE		

RUSSIA - RUSSIE

Adhering Organization

Russian Academy of Sciences
Molodezhnaya, 3
Moscow 117296

<http://www.wdcb.rssi.ru/NGC/welcome.html>

NATIONAL COMMITTEE

President: Guennadi A. SOBOLEV

Vice-President: Vladimir M. KOTLYAKOV
Vladimir V. MIGULIN

Secretary General: Yuri S. TYUPKIN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Mikhail T. PRILEPIN	IAMAS:	Igor MOKHOV
IASPEI:	Mikhail V. NEVSKY	IAHS:	Igor S. ZEKTSER
IAVCEI:	Sergey A. FEDOTOV	IAPSO:	Evgeny G. MOROZOV
IAGA:	Viktor N. ORAEVSKY		

SLOVAK REPUBLIC - REPUBLIQUE SLOVAQUE

Adhering Organization

Geophysical Institute
Slovak Academy of Sciences
Dubravska cesta 9
842 28 Bratislava

NATIONAL COMMITTEE

President: Peter MOCZO

Vice-President: Jan HEFTY

Secretary: Miroslav BIELIK

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Ladislav BRIMICH	IAMAS:	Ferdinand HESEK
IASPEI:	Peter MOCZO	IAHS:	Jan SZOLGAY
IAVCEI:		IAPSO:	
IAGA:	Jozef BRESTENSKY		

SLOVENIA - SLOVENIE

Adhering Organization

Slovenian Association of Geodesy and Geophysics - SZGG
Jamova 2
1115 Ljubljana
SLOVENIA

NATIONAL COMMITTEE

President: Florjan VODOPIVEC
Vice-President: Mitja BRILLY
Secretary General: Miran KUHAR

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Ales BREZNIKAR	IAMAS:	Tomaz VRHOVEC
IASPEI:	Andrej GOSAR	IAHS:	Matja MIKOS
IAVCEI:	Polona KOVIC-KRALJ	IAPSO:	Vlado MALACIC
IAGA:	Robert STOPAR		

SOUTH AFRICA - AFRIQUE DU SUD

Adhering Organization

SA ICSU Secretariat
National Research Foundation
P.O. Box 2600
0001 Pretoria
T: 27 12 481 4114/4093
F: 27 12 481 4007/349 1179
ina@nrf.ac.za

NATIONAL COMMITTEE

Chairman: R.J. KLEYWEGT
Secretary: M. PILLAY
Members: C.L. MERRY, G.C. SCHULZE, L.V. SHANNON

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Richard T. WONNACOTT	IAMAS:	M. MAJODINA
IASPEI:	C. WRIGHT	IAHS:	D. HUGHES
IAVCEI:	J.S. MARSH	IAPSO:	H. VALENTINE
IAGA:	V. MUNSAMI		

SPAIN - ESPAGNE

Adhering Organization

Comisión Española Geodesia y Geofísica
General Ibáñez de Ibero 3
28003 Madrid

NATIONAL COMMITTEE

President: José A. CANAS-TORRES

Vice-President: Ricardo VIEIRA

Secretary General: Francisco VIDAL SÁNCHEZ

F: 34-91-5979616

e-mail: fvidal@mfom.es

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Miguel J. SEVILLA	IAMAS:	Manuel GIL
IASPEI:	Antonio ROCA	IAHS:	Emilio CUSTODIO
IAVCEI:	Ramon ORTIZ	IAPSO:	Juan Jose DAÑOBEITIA
IAGA:	Alicia GARCÍA		

SWEDEN - SUEDE

Adhering Organization

Royal Swedish Academy of Sciences
104 05 Stockholm 50

NATIONAL COMMITTEE

President: Ota KULHANEK

Secretary: Bengt DAHLSTROM

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Martin EKMAN	IAMAS:	Michael TJERNSTRÖM
IASPEI:	Ota KULHANEK	IAHS:	Sten U. BERGSTRÖM
IAVCEI:		IAPSO:	Johan RODHE
IAGA:	Birna OLAFSDOTTIR		

SWITZERLAND - SUISSE

Adhering Organization

Académie Suisse des Sciences Naturelles
Bärenplatz 2
CH-3011 Berne

NATIONAL COMMITTEE

President: H.C. (Huw) DAVIES

Secretary: Ernest KOPP

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Dieter SCHNEIDER Alain GEIGER	IAMAS:	Huw C. DAVIES Peter BINDER
IASPEI:	Edward KISSLING Thomas KOHL	IAHS:	Martin FUNK Joachim GURTZ
IAVCEI:	Peter ULMER	IAPSO:	Thomas STOCKER
IAGA:	Pierre-André SCHNEGG Ernest KOPP		

TAIPEI - ACADEMY OF SCIENCES TAIPEI - ACADÉMIE DES SCIENCES

Adhering Organization

Academia Sinica
128, Academy Road, Sec. 2
TAIPEI
TAIWAN

NATIONAL COMMITTEE

President: Chao-Han LIU

Executive Secretary: Yih-Hsiung YEH

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Chun-Sung CHEN	IAMAS:	Shaw C. LIU
IASPEI:	Yih-Hsiung YEH	IAHS:	Yih-Chi TAN
IAVCEI:	Cheng-Hong CHEN	IAPSO:	Ju-Chin CHEN
IAGA:	Chao-Han LIU		

THAILAND - THAILANDE

Adhering Organization

National Research Council of Thailand
196 Phaholyothin Road
10600 Bangkok

NATIONAL COMMITTEE

President: Prasat BURINWATTANA
Secretary: Thawatchal KHAYANSAMIRUAT

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Prasat BURINWATTANA	IAMAS:	Wanchai SALATHULTHAT
IASPEI:	Wanchai SALATHULTHAT	IAHS:	Chiraphandh ARTHACHINDA
IAVCEI:	Preecha LAOCHU	IAPSO:	Vichai CHANTAN
IAGA:	Prasat BURINWATTANA		

TURKEY - TURQUIE

Adhering Organization

Ministry of National Defense
General Command of Mapping
06100 Dikimevi, Ankara
TURKEY
<http://www.hgk.mil.tr>

NATIONAL COMMITTEE

President: Dursun BAK
Vice-President: E.Ömür DEMIRKOL
Secretary: Onur LENK

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Emin AYHAN	IAMAS:	Halil KÜTAHYA
IASPEI:	Oktay ERGÜNAY	IAHS:	Yalçın DÝKMEN
IAVCEI:	Ahmet TÜRKECAN	IAPSO:	Nazým ÇUBUKÇU
IAGA:	Ibrahim AYDIN		

**UNITED KINGDOM OF GREAT BRITAIN
ROYAUME UNI DE GRANDE BRETAGNE**

Adhering Organization

The Royal Society
6 Carlton House Terrace
London SW1Y 5AG
T: 44 (0) 20 7451 2589
F: 44 (0) 20 7451 2692
ruth.cooper@royalsoc.ac.uk

NATIONAL COMMITTEE

Chairman: David COLLINS
Secretary: Michael KENDALL

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Alan H. DODSON	IAMAS:	Julia SLINGO
IASPEI:	George HELFFRICH	IAHS:	David N. COLLINS
IAVCEI:	Michael KENDALL	IAPSO:	John SIMPSON
IAGA:	Alan RODGER		

UNITED STATES OF AMERICA - ETATS UNIS D'AMÉRIQUE

Adhering Organization

National Academy of Sciences
Office of International Affairs
2101 Constitution Avenue, N.W.
Washington DC 20418
F: 1 202 334 2231
sspauldi@nas.edu <http://www.nas.edu>

NATIONAL COMMITTEE

Chairman: David D. JACKSON
Vice-Chairman: Kevin FURLONG
Secretary: A.F. SPILHAUS
Staff Liaison: Scott SPAULDING

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Thomas A. HERRING	IAMAS:	Keith SEITTER
IASPEI:	Kerry SIEH	IAHS:	Hugo LOAICIGA
IAVCEI:	John J. MAHONEY	IAPSO:	Mark LUTHER
IAGA:	Daniel N. BAKER		

VENEZUELA

Adhering Organization

Instituto Geográfico de Venezuela Simón Bolívar (IGVSB)

Av. Este 6, Edif. Camejo, Esq. Camejo

Centro Simón Bolívar-El Silencio

Caracas 1010

Lic. Marlys Garcia SANDOVAL, Coordinator of International Cooperation

T: 58(212)408-48-36 F: 58(212)545-03-74

sagecam@conicit.ve

NATIONAL COMMITTEE

President: Romer MENA NAVA

Secretary: Napoleon HERNANDEZ

Members: Angel DAAL, Gloria GONZALES

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:
IASPEI:
IAVCEI:
IAGA:

IAMAS:
IAHS:
IAPSO:

VIETNAM

Adhering Organization

Institute of Geophysics

National Center for Natural Science and Technology of Vietnam (VNNCST)

Hoang Quoc Viet, Cau Giay

Hanoi

VIETNAM

T: 84 4 756 4380

F: 84 4 836 4696

xuyen@igp.ncst.ac.vn

NATIONAL COMMITTEE

President: Dinh Xuyen NGUYEN

Secretary: Van Giang NGUYEN

Contact Person: Prof. Nguyen Dinh XUYEN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: Hung Vo DANG
IASPEI: Dinh Xuyen NGUYEN
Dinh Trieu CAO
IAVCEI: Trong Hue TRAN
IAGA: Chau Ha DUYEN
Thi Kim Thoa NGUYEN

IAMAS: Cong Thanh NGUYEN
IAHS: Cong Thanh NGUYEN
IAPSO: Cong Que BUI

Please note.

In compliance with the EU General Data Protection Regulation, the address data on pages 95-210 have been removed from the digital edition of the IUGG Yearbook 2002.

LIST OF ACRONYMS

ABLOS	Advisory Board on Hydrographic, Geodetic and Marine Geoscientific Aspects of the Law of the Sea
AGU	American Geophysical Union
BGI	International Gravimetric Bureau
BIPM	Bureau International des Poids et Mesures
CODATA	Committee on Data for Science and Technology
COPSAR	Committee on Space Research
COSTED	Committee on Science and Technology in Developing Countries
EGS	European Geophysical Society
FAGS	Federation of Astronomical and Geophysical Data Analysis Services
GALOS	Geodetic Aspects of the Law of the Sea
GOOS	Global Ocean Observing System
IAG	International Association of Geodesy
IAGA	International Association of Geomagnetism and Aeronomy
IAHS	International Association of Hydrological Sciences
IAMAS	International Association of Meteorology and Atmospheric Sciences
IAPSO	International Association for the Physical Sciences of the Ocean
IASPEI	International Association of Seismology and Physics of the Earth's Interior
IAU	International Astronomical Union
IAVCEI	International Association of Volcanology and Chemistry of the Earth's Interior
IBN	International Biosciences Networks
ICET	International Council of Earth Tides
ICSU	International Council of Scientific Unions
IERS	International Earth Rotation Service
IGBP	International Geosphere-Biosphere Programme
IGeS	International Geoid Service
ILP	International Lithosphere Program
IPGH	Instituto Panamericano de Geografia Historia (also PAIGH)
ISGI	International Service of Geomagnetism Indices
IOCA	International Civil Aviation Organization
IUGG	International Union of Geodesy and Geophysics
IUGS	International Union of Geological Sciences
PAIGH	PanAmerican Institute of Geography and History
PSMSL	Permanent Service for Mean Sea Level
SCAR	Scientific Committee on Antarctic Research
SCL	Scientific Committee on the Lithosphere

LIST OF ACRONYMS (continued)

SCOPE	Scientific Committee on Problems of the Environment
SCOR	Scientific Committee on Ocean Research
SCOSTEP	Scientific Committee on Solar-Terrestrial Physics
SCOWAR	Scientific Committee on Water Research
SEDI	Study of the Deep Interior of the Earth
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
URSI	Union Radio Scientifique Internationale
WCRP	World Climate Research Programme
WDC	World Data Centre
WGMS	World Glacier Monitoring Service
WMO	World Meteorological Organization