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

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I. INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

UNION GÉODÉSIQUE ET GÉOPHYSIQUE INTERNATIONALE

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 29 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 2005, elle compte 65 entités adhérentes.

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.

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

BACKGROUND

The International Union of Geodesy and Geophysics (IUGG) is an international, non-governmental, non-profit organization 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 29 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 2005, IUGG had 65 adhering bodies.

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.

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, le Programme mondial de recherches climatiques, et le Programme Géosphère-Biosphère. 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. L'U.G.G.I. est un partenaire d'autres Unions du C.I.U.S., par le biais des Commissions inter-unions, et ses activités correspondent avec celles de sept autres Unions du C.I.U.S. qui travaillent sur les thèmes de la géophysique : l'Union Géographique Internationale (U.G.I.), International Union of Geological Sciences (I.U.G.S.), International Union of Soil Sciences (I.U.S.S.), la Société Internationale de Photogrammétrie et de Télédétection (S.I.P.T.), International Astronomical Union (I.A.U.), l'Union Radio-Scientific Internationale (U.R.S.I.), et International Union for Quaternary Research (I.N.Q.U.A.).

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, the World Climate Research Programme, and the Geosphere-Biosphere Programme. 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. IUGG is a partner with other Unions of ICSU in inter-Union Commissions, and coordinates its activities with seven other ICSU Unions that address geophysical issues: International Geographical Union (IGU), the International Union of Geological Sciences (IUGS), the International Union of Soil Sciences (IUSS), the International Society of Photogrammetry and Remote Sensing (ISPRS), the International Astronomical Union (IAU), the International Union of Radio Science (URSI), and the International Union for Quaternary Research (INQUA).

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 65 entités adhérentes (Tableau 1). Les entités adhérentes sont répartis dans le monde entier, comme le montre le Tableau 2.

Comités nationaux

La grande majorité des entités adhérentes 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 adhérent 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 XXIV^e (24^e). Elle se tiendra à Perugia, au Italie, en 2007. 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 entités adhérentes. 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 XXIII Assemblée Générale, en 2003, 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 d'entités adhérentes 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 65 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 XXIV (24th) in Perugia, Italy, in 2007. 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 Adhering Body. 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 XXIII General Assembly in 2003 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 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 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:

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 2005, six des sept Associations internationales ont tenu une Assemblée scientifique, la dernière ayant tenu son assemblée à la fin de 2004. 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. 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 de l'Union

En raison de la nature interdisciplinaire des domaines traités par les Associations internationales, quatre Commissions de l'Union 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 de l'Union font l'objet d'un examen et d'un remaniement lors de chaque Assemblée générale de l'U.G.G.I.. En 2005, les quatre 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)
- Commission sur les sciences cryosphériques; Cryospheric Sciences (CCS)

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

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 2005, six of the seven International Associations held scientific assemblies. The other held a scientific assembly at the end of 2004. At Scientific Assemblies the International Associations sponsor symposia on particular topics, 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. 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.

Union Commissions

Owing to the interactive nature of the subject fields managed by the International Associations, four Union 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. Union Commissions are reviewed and renewed at each IUGG General Assembly. In 2005 the following four Commissions were active.

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

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

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 entités adhérentes. Les entités adhérentes ont le choix entre le statut de membre régulier ou de membre associé (ne payant pas de cotisation). Les entités adhérentes peuvent envoyer un délégué aux rencontres quadriennales du Conseil de l'U.G.G.I. et voter sur les affaires administratives. Les scientifiques des entités adhérentes 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 entités adhérentes 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 entités adhérentes 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'une entité adhérente régulière 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 2006 la valeur d'une unité de cotisation est de 1.600 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 entité adhérente 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 2006 is \$1,600. 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	1997-2002, 2003	1	1
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>		
BOSNIA & HERZEGOVINA	2003	1	1
BRAZIL	1922	3	3
BULGARIA	1930	A	0
<i>BURUNDI</i>	<i>1987-1995</i>		
CANADA	1919	6	10
CHILE	1924	2	2
CHINA	1977	6	10
CHINA - Acad. of Sciences in Taipei	1995	4	5
COLOMBIA	1938-1971, 2000	1	1
CONGO D.R. (**)	2004	A	0
CROATIA	1992	1	1
<i>CUBA</i>	<i>1960-1996</i>		
CZECH REPUBLIC	1993	2	2
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>		
FINLAND	1927	3	3
FRANCE	1919	7	15
GERMANY	1951	8	20
<i>GHANA</i>	<i>1957-1987</i>		
<i>GREECE</i>	<i>1922-2003</i>		
<i>GUATEMALA</i>	<i>1957-2000</i>		
<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>		
<i>LEBANON</i>	<i>1967-2003</i>		
<i>LIBYA</i>	<i>1979-1996</i>		

Table 1 (continued): Member Adhering Bodies of IUGG

MEMBERS	Dates of ADMISSION & TERMINATION	CATEGORY	UNITS
LUXEMBOURG	1971	1	1
<i>EX-YUGOSLAVIAN REPUBLIC OF MACEDONIA</i>	<i>1995-2001</i>		
<i>MADAGASCAR</i>	<i>1967-1995</i>		
<i>MALAYSIA</i>	<i>1967-2002</i>		
MAURITIUS	2003	A	0
MEXICO	1922	2	2
MONACO	1967	1	1
<i>MONGOLIA</i>	<i>1995-2001</i>		
MOROCCO	1924	A	0
MOZAMBIQUE	1983	1	1
<i>MYANMAR (BURMA)</i>	<i>1957-2003</i>		
<i>NEPAL</i>	<i>1975-1987</i>		
NETHERLANDS	1925	4	5
NEW ZEALAND	1927	1	1
NIGERIA	1971	A	0
NORWAY	1923	4	5
PAKISTAN	1952	2	2
PERU	1925-1979, 2000	A	0
PHILIPPINES	1951	3	3
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>		
SERBIA & MONTENEGRO (*)	1996	A	0
<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	5	7
<i>SYRIA</i>	<i>1948-1995</i>		
<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
VENEZUELA	1975	1	1
VIETNAM	1931	1	1
<i>ZIMBABWE</i>	<i>1967-2000</i>		

(*) Adhesion in 1996 under the name of the Federal Republic of Yugoslavia which was changed in 2003 to Serbia & Montenegro.

(**) Adhesion in 1991 under the name Zaire, membership terminated in 1997.

(***) Adhesion in 1954 under the name of the U.S.S.R.

Table 2: Regional Distribution of Members

REGION	# OF MEMBERS
Africa	6
Asia	16
Europe	32
North and Central America	3
Oceania	2
South America	6

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
Durham, UK	1977	Exceptional	G.A.	
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	1989	2162	4151
XXIV. Perugia	2007			

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

CURRENT OFFICERS OF IUGG

Bureau of the Union

<i>President:</i>	Uri Shamir	ISRAEL
<i>Vice-President:</i>	Tom Beer	AUSTRALIA
<i>Secretary General:</i>	Jo Ann Joselyn	USA
<i>Treasurer:</i>	Aksel W. Hansen	DENMARK
<i>Members:</i>	Yun-tai Chen	CHINA
	Harsh Gupta	INDIA
	Ali A.A. Tealeb	EGYPT

The following Officers are not voting Members of the Bureau:

<i>Assistant Secretary General:</i>	Katina Rogers	USA
<i>Assistant Treasurer:</i>	Anders Svensson	DENMARK

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, M. Kono (JAPAN)
- the Presidents of the International Associations:

<i>LAG:</i>	Gerhard Beutler	SWITZERLAND
<i>LAGA:</i>	Charles Barton	AUSTRALIA
<i>IAHS:</i>	Arthur Askew	AUSTRALIA/UK
<i>IAMAS:</i>	Michael C. MacCracken	USA
<i>IAPSO:</i>	Shiro Imawaki	JAPAN
<i>IASPEI:</i>	E. Robert Engdahl	USA
<i>IAVCEI:</i>	Oded Navon	ISRAEL

Finance Committee of the Union

<i>Chair:</i>	Michael J. Hamlin	UNITED KINGDOM
<i>Members:</i>	David D. Jackson	USA
	Brian L.N. Kennett	AUSTRALIA
	Kiyoshi Suyehiro	JAPAN
	Juan Francisco Vilas	ARGENTINA

IUGG Liaison Officers with Intergovernmental Organizations

<i>Cartographic Office of the United Nations:</i>	Hermann Drewes	GERMANY
<i>United Nations Educational, Scientific and Cultural Organization (UNESCO):</i>		
<i>International Hydrological Programme:</i>	Pierre Hubert	FRANCE
<i>International Oceanographic Commission:</i>	Paola Rizzoli	ITALY/USA
<i>World Meteorological Organization (WMO):</i>	Roland List	CANADA
	Pierre Hubert	FRANCE

IUGG Representatives on ICSU Committees

<i>Committee on Space Research (COSPAR):</i>	Eigil Friis-Christensen	DENMARK
<i>Committee on Science and Technology in Developing Countries - incorporating International Biosciences and other Scientific Networks (COSTED/IBN):</i>	Harsh Gupta	INDIA
<i>Federation of Astronomical and Geophysical Data Analysis Services (FAGS):</i>		
	David T. Pugh	UNITED KINGDOM
	Ruth Neilan	USA
<i>Scientific Committee for the International Geosphere-Biosphere Programme (IGBP):</i>		
	Tom Beer	AUSTRALIA
<i>Scientific Committee on Antarctic Research (SCAR):</i>		
	Roland Schlich	FRANCE
<i>Scientific Committee on the Problems of the Environment (SCOPE):</i>		
	Norman Jake Peters	USA
<i>Scientific Committee on Oceanic Research (SCOR):</i>		
<i>President IAMAS:</i>	Michael C. MacCracken	USA
<i>President IAPSO:</i>	Shiro Imawaki	JAPAN
<i>Scientific Committee on Solar-Terrestrial Physics (SCOSTEP):</i>		
	Wolfgang Baumjohann	AUSTRIA
<i>World Climate Research Programme (WCRP):</i>		
	Roland List	CANADA

IUGG Representatives on Inter-Union Commissions

<i>Inter-Union Scientific Committee on the Lithosphere (SCL/ILP):</i>	E. Robert Engdahl	USA
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IUGG Representatives on Other Bodies

<i>International Civil Aviation Organization (ICAO):</i>	William I. Rose	USA
<i>Instituto Panamericano de Geografia e Historia (IPGH):</i>	Hermann Drewes	GERMANY

ACCREDITED DELEGATES TO THE COUNCIL OF THE IUGG**23rd General Assembly, Sapporo (JAPAN), June 30 – July 11, 2003**

E. Rovere (ARGENTINA), J.F. Vilas (ARGENTINA), C. Barton (AUSTRALIA), M. Kuhn (AUSTRIA), A.L. Berger (BELGIUM), D. Blitzkow (BRAZIL), L.P.S. Fortes (BRAZIL), D. Jordanova (BULGARIA), H. Jorjani (CANADA), R.E. Stewart (CANADA), P.G. Lopez (CHILE), C. Zhu (CHINA), C.H. Liu (CHINA-TAIPEI), Y.H. Yeh (CHINA-TAIPEI), L.S. Rodriguez (COLOMBIA), M. Orlic (CROATIA), V. Cermak (CZECH REPUBLIC), S. Gregersen (DENMARK), A.A. Ashour (EGYPT), R. Room (ESTONIA), J. Kakkuri (FINLAND), P. Malkki (FINLAND), J.P. Barriot (FRANCE), M. Menvielle (FRANCE), R. Schlich (FRANCE), G. Tetzlaff (GERMANY), J. Adam (HUNGARY), P. Jonsson (ICELAND), V.P. Dimri (INDIA), G.S. Lakhina (INDIA), R.W. Matindas (INDONESIA), K.J. Villanueva (INDONESIA), M.R. Gheitanchi (IRAN), P. Lynch (IRELAND), Z. Levin (ISRAEL), L. Ubertini (ITALY), K. Irikura (JAPAN), W.M. Moon (KOREA), T. Van Dam (LUXEMBOURG), J. Urrutia-Fucugauchi (MEXICO), P.J.G. Teunissen (NETHERLANDS), D.A. Rhoades (NEW ZEALAND), B.G. Harsson (NORWAY), B.C. Bautista (PHILIPPINES), L.W. Baran (POLAND), J. Krynski (POLAND), L.A. Mendes-Victor (PORTUGAL), C.S. Sava (ROMANIA), Y.S. Tyupkin (RUSSIA), L. Globevnik (SLOVENIA), C.L. Merry (SOUTH AFRICA), J.M. Torta (SPAIN), B. Olafsdottir (SWEDEN), H. Davies (SWITZERLAND), C. Promthong (THAILAND), T. Thambumroong (THAILAND), O. Lenk (TURKEY), D.N. Collins (UNITED KINGDOM), K. Furlong (USA), D.D. Jackson (USA), T.K.T. Nguyen (VIETNAM)

Past Officers of IUGG Bureau**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)
2003-2007	U. Shamir (Israel)

PAST IUGG VICE-PRESIDENTS

1919-1922	S.A.S. Prince Albert I 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. Bjerknes (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)
2003-	T. Beer (Australia)

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.)

*P. Melchior (Belgium) served as Adjoint Secretary General from 1971-1975

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 BUREAU MEMBERS

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.) W.C. Ackermann (U.S.A.)
1971-1975	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)
2003-2007	Y.T. Chen (China) H.K. Gupta (India) A.A.A. Tealeb (Egypt)

Past Officers of IUGG Finance Committee

PAST FC 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.)
2003-	M. Hamlin (U.K.)

PAST FC 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.)
1987-1989	J. Somogyi (Hungary)
1989-1999	A.F. Spilhaus (U.S.A.)
1999-2003	P. Pinet (France)
2003-2007	

PAST FC 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. Walser (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.)
2003-2007	B.L.N. Kennett (U.K.) K. Suyehiro (Japan) J.F. Vilas (Argentina) D. Jackson (USA)

UNION COMMISSIONS

Union Commission on Mathematical Geophysics:

<i>Chair:</i>	Daniel H. Rothman	USA
<i>Secretary:</i>	Marc Spiegelman	USA
<i>Vice-Chair:</i>	Einat Aharonov	ISRAEL
<i>Vice-Chair:</i>	Ray Pierrehumbert	USA
<i>Vice-Chair:</i>	Antonello Provenzale	ITALY
<i>Vice-Chair:</i>	Eli Tziperman	USA

Union Commission on the Study of Earth's Deep Interior (SEDI):

www.sedigroup.org

<i>Chair:</i>	Bruce Buffett	CANADA/USA
<i>Vice-Chair:</i>	Gauthier Hulot	FRANCE
<i>Secretary General:</i>	Mike Bergman	USA
<i>Advisory Committee:</i>	Francis Albarede	FRANCE
	Reinhard Boehler	GERMANY
	Ondrej Cadek	CZECH REPUBLIC
	Ulrich R. Christensen	GERMANY
	Catherine Constable	USA
	Ibrahim A. Eltayeb	SULTANATE OF OMAN
	Rongshan Fu	CHINA
	Philippe Gillet	FRANCE
	Gary Glatzmaier	USA
	S.I. Karato	USA
	Louise Kellogg	USA
	Masaru Kono	JAPAN
	Ban-Yuan Kuo	CHINA – TAIPEI
	K. Kurita	JAPAN
	Kurt Lambeck	AUSTRALIA
	David Loper	USA
Guy Masters	USA	
Jerry X. Mitrovica	CANADA	
Andrea Morelli	ITALY	
Barbara Romanowicz	USA	
Andrew M. Soward	UNITED KINGDOM	
Satoru Tanaka	JAPAN	
Lev. P. Vinnik	RUSSIA	
Kathryn Whaler	SCOTLAND, UK	
Vladimir N. Zharkov	RUSSIA	

Union Commission on Geophysical Risk and Sustainability (GeoRisk):

www.iugg-georisk.org

<i>Chair:</i>	Alik Ismail-Zadeh	GERMANY
<i>Vice-Chairs:</i>	Ramesh Singh	INDIA
	Kuniyoshi Takeuchi	JAPAN
<i>Secretary:</i>	Gerd Tetzlaff	GERMANY
<i>Treasurer:</i>	Paula Dunbar	USA
<i>Past Chair:</i>	Tom Beer	AUSTRALIA

Union Commission on Cryospheric Sciences (CCS):

www.glaciology.su.se/ICSI/

<i>President:</i>	Georg Kaser	CANADA
<i>Past President:</i>	Gerry Jones	AUSTRIA
<i>Secretary/Treasurer:</i>	Peter Jansson	SWEDEN
<i>Vice President:</i>	Jon Ove Hagen	NORWAY
<i>Vice President:</i>	Koni Steffen	USA
<i>Vice President:</i>	Kumiko Goto-Azuma	JAPAN
<i>IAVCEI Representative:</i>	Christopher Waythomas	USA

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

www.sclilp.org

<i>President:</i>	Sierd Cloetingh	NETHERLANDS
<i>Secretary General:</i>	J. Negendank	GERMANY
<i>Bureau Members:</i>	Hermann Drewes	GERMANY
	Soren Gregersen	DENMARK
	Qingchen Wang	CHINA
	Cees Passchier	GERMANY
	Victor Ramos	ARGENTINA
	<i>Past Presidents:</i>	Alan G. Green
	Asahiko Taira	JAPAN
<i>Chair:</i>	Soren Gregersen	DENMARK
<i>IUGG Representative:</i>	E. Robert Engdahl	USA
<i>IUGS Representative:</i>	Werner R. Janoschek	AUSTRIA
<i>UNESCO Representative:</i>		

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:

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 (AISPEI)
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 (AIVCEI)
International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)

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
IAMAP/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

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

International Association	Year	Meeting Location	Number of Participants
IAMAS/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	Beijing, China	350
IAVCEI	1993	Canberra, Australia	600
IAMAS/IAHS	1993	Yokohama, Japan	450
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/IAPSO*	2005	Cairns, Australia	724
IAGA	2005	Toulouse, France	886
IAHS	2005	Foz de Iguassu, Brazil	459
IAMAS	2005	Beijing, China	840
IASPEI	2005	Santiago, Chile	360
IAVCEI	2004	Pucon, Chile	936

* With International Association for Biological Oceanography (IABO)

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

<http://www.iag-aig.org>

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 2003 – 2007

<i>President:</i>	Gerhard Beutler	SWITZERLAND
<i>First Vice-President:</i>	Michael G. Sideris	CANADA
<i>Secretary-General:</i>	Christian C. Tscherning	DENMARK
<i>Assistant Secs.-General</i>	Jean-Pierre Barriot	FRANCE
	Ole Andersen	DENMARK
<i>Past President:</i>	Fernando Sanso	ITALY

IAG EXECUTIVE COMMITTEE 2003 – 2007

The IAG Executive Committee consists of the Bureau, the Commission Presidents, and the following:

IAG Service Representatives:

Ruth E. Neilan	USA
Markus Rothacher	GERMANY
Harald Schuh	AUSTRIA

IAG President of Communication & Outreach Branch:

Jozsef Adam	HUNGARY
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IAG Members at Large:

Luiz Paulo Souto Fortes	BRAZIL
Charles L. Merry	SOUTH AFRICA

OTHER OFFICERS OF IAG 2003 – 2007

Editor in Chief of the Journal of Geodesy:

William Featherstone	AUSTRALIA
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Assistant Secretary General of the Association:

Jean-Pierre Barriot	FRANCE
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Honorary Presidents to IAG:

Klaus-Peter Schwartz	CANADA
Helmut Moritz	AUSTRIA
Ivan I. Mueller	USA
Wolfgang Torge	GERMANY

Honorary Secretaries General:

Michel Louis	FRANCE
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IAG COMMISSIONS

IAG Commission 1: Reference Frames

<i>President:</i>	Hermann Drewes	GERMANY
<i>Vice-President:</i>	Che-Kwan Shum	USA

IAG Commission 2: Gravity Field

<i>President:</i>	Christopher Jekeli	USA
<i>Vice-President</i>	Ilias Tziavos	GREECE

IAG Commission 3: Earth Rotation & Geodynamics

<i>President:</i>	Veronique Dehant	BELGIUM
<i>Vice-President:</i>	Mike Bevis	USA

IAG Commission 4: Positioning & Applications

<i>President:</i>	Chris Rizos	AUSTRALIA
<i>Vice-President:</i>	Pascal Willis	FRANCE

INTERNATIONAL SERVICES**International Earth Rotation & Reference Systems Service (IERS):**

<i>Chair of D.B.:</i>	Jan Vondrak	CZECH REPUBLIC
<i>Director of C.B.:</i>	Bernd Richter	GERMANY

International GNSS Service (IGS):

<i>Chair of G.B.:</i>	John Dow	GERMANY
<i>Director of C.B.:</i>	Ruth Neilan	USA

International Laser Ranging Service (ILRS):

<i>Chair of G.B.:</i>	Werner Gurtner	SWITZERLAND
<i>Director of C.B.:</i>	Michael Pearlman	USA
<i>Secretary:</i>	Carey Noll	USA

International VLBI Service for Geodesy & Astrometry (IVS):

<i>Chair of D.B.:</i>	Wolfgang Schlüter	GERMANY
<i>Director of C.B.:</i>	Nancy Vandenberg	USA

International Gravity Field Service (IGFS):

<i>Chair:</i>	Rene Forsberg	DENMARK
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International DORIS Service (IDS):

<i>Chair of G.B.:</i>	Gilles Tavernier	FRANCE
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International Gravimetric Bureau (BGI):

<i>Director:</i>	Jean-Pierre Barriot	FRANCE
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International Geoid Service (IGeS):

<i>President:</i>	Fernando Sanso	ITALY
<i>Director:</i>	R. Barzaghi	ITALY

International Centre for Earth Tides (ICET):

<i>Chair of D.B.:</i>	Bernard Ducarme	BELGIUM
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Permanent Service for Mean Sea Level (PSMSL):

<i>Director:</i>	Philip L. Woodworth	UK
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Bureau International de Poids et Mesures – time section (BIPM):

<i>Director Time Section:</i>	E.F. Arias	FRANCE
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IAG Bibliographic Service (IBS):

<i>Chair:</i>	Annekathrin Korth	GERMANY
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PAST IAG PRESIDENTS

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)
2003-2007	G. Beutler (Switzerland)

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.iugg.org/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 2003-2007

<i>President:</i>	Charles Barton	AUSTRALIA
<i>Vice-Presidents:</i>	Eigil Friis-Christensen	DENMARK
	Yohsuke Kamide	JAPAN
<i>Secretary-General:</i>	Bengt Hultqvist	SWEDEN
<i>Past-President:</i>	David Kerridge	SCOTLAND, UK
<i>Members:</i>	Mangalathayil Abdu	BRAZIL
	Gurbax Lakhina	INDIA
	Jan Lastovicka	CZECH REPUBLIC
	Vladimir Papitashvili	USA
	Kathryn Whaler	SCOTLAND, UK

IAGA DIVISIONS

IAGA Division I – Internal Magnetic Fields

Chair:	David E. Loper	USA
Co-chair:	Hidefumi Tanaka	JAPAN

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

Chair:	Philippe Cardin	FRANCE
Co-chair:	David Ivers	AUSTRALIA

Working Group I-2: Electromagnetic Induction and Electrical Conductivity

Chair:	Andreas Junge	GERMANY
Co-chair:	Yasuo Ogawa	JAPAN

Working Group I-3: Palaeomagnetism

Chair:	Mark Dekkers	NETHERLANDS
Co-chairs:	Harald Boehnel	MEXICO
	Emilio Herrero Bervera	USA

Working Group I-4: Rock Magnetism

Chair:	Barbara Maher	UK
Co-chairs:	Eduard Petrovsky	CZECH REPUBLIC
	Ann Hirt	SWITZERLAND

IAGA Division II – Aeronomic Phenomena

Chair:	Robert Schunk	USA
Co-chair:	Alan Rodger	UK

Working Group II-A: Electrodynamics of the Middle Atmosphere

Chair:	Richard A. Goldberg	USA
Co-chair:	Martin Füllekrug	UK

Working Group II-B: Thermospheric Dynamics

Chair:	Alan D. Aylward	UK
Co-chairs:	Timothy L. Killeen	USA
	R. Sridharan	INDIA

Working Group II-C: Meteorological Effects on the Ionosphere

Chair:	Dora Pancheva	UK
Co-chairs:	David Altadill	SPAIN
	Werner Singer	GERMANY

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

Chair:	Edward Kazimirovsky	RUSSIA
Co-chair:	Boris Soukharev	RUSSIA
	Charles H. Jackman	USA

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

Chair:	R.A. Greenwald	USA
Co-chair:	J.-P. 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:	Gufran Beig	INDIA

Working Group II-G Polar Research

Chair:	Allan T. Weatherwax	USA
Co-chairs:	Mervyn Freeman	UK

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

IAGA Chair:	Craig J. Rodger	NEW ZEALAND
URSI Chair:	M. Parrot	FRANCE

IAGA Division III – Magnetospheric Phenomena

Chair:	Brian Anderson	USA
Co-chair:	Masaki Fujimoto	JAPAN

Working Group III-1: ULF Waves in Magnetosphere

Chair:	Peter Chi	USA
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Working Group III-5: Polar Research

Chair:	Allan T. Weatherwax	USA
Co-chairs:	Mervyn Freeman	UK

IAGA Division IV – Solar Wind & Interplanetary Field

Chair:	Iver Cairns	AUSTRALIA
Co-chair:	Barbara Thompson	USA

IAGA Division V – Geomagnetic Observatories, Surveys & Analysis

Chair:	Toshihiko Iyemori	JAPAN
Co-chair:	Mioara Mandea	FRANCE

Working Group V-OBS: Geomagnetic Observation

Chair:	Hans-Joachim Linthe	GERMANY
Co-chair:	Pieter Kotze	SOUTH AFRICA

Working Group V-DAT: Geomagnetic Data and Indices

Chair:	Alan Thompson	UK
Co-chair:	Mita Rajaram	INDIA

Working Group V-MOD: Geomagnetic Field Modeling

Chair:	Susan Macmillan	UK
Co-chair:	Stefan Maus	USA

IAGA Inter-divisional Commissions

Inter-divisional Commission on Developing Countries

Chair: Thi Kim Thoa Nguyen VIETNAM
Co-chair: Polinaya Murali Krishna BRAZIL

Inter-divisional Commission of History

Chair: Edward Cliver USA
Co-chair: Nicole Meyer-Vernet FRANCE

International Services

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

Director: Michel Menvielle FRANCE

International Space Environment Service, ISES (affiliated to FAGS)

Director: David H. Boteler CANADA
Deputy Director: Henrik Lundstedt SWEDEN

IAGA/IASPEI/IAVCEI – Working Group on Electromagnetic Studies of Earthquakes and Volcanoes (EMSEV)

<http://www.emsev-iugg.org/emsev/>

Chair: Seiya Uyeda JAPAN
Secretary: T. Nagao JAPAN
IAGA Liaison: Jaques Zlotnicki FRANCE
IAGA WG I-2: Y. Ogawa JAPAN

IASPEI/IAPSO/IAGA International Ocean Network (ION)

Chair: Adam Schultz UK
Secretary: Heinrich Villinger GERMANY
Liaison: Hisashi Utada 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.)
2003-2007 C. Barton (Australia)

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://iahs.info>

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, 2003-2007

<i>President:</i>	Arthur Askew (2005-2009)	AUSTRALIA/UK
<i>Secretary General:</i>	Pierre Hubert	FRANCE
<i>Vice President:</i>	Louise Heathwaite	UNITED KINGDOM
	Xia Jun	CHINA
	Chris Leibundgut	GERMANY
<i>Past-President:</i>	Kuniyoshi Takeuchi (2001-2005)	JAPAN
<i>Honorary President:</i>	Ivan Johnson	USA
<i>Treasurer:</i>	Chuck Onstad	USA
<i>Editor:</i>	Zbignew Kundzewicz	POLAND
<i>Chair IAHS Ltd.</i>	Des E. Walling	UNITED KINGDOM

IAHS INTERNATIONAL COMMISSIONS

International Commission on Coupled Land-Atmosphere Systems (ICCLAS)

<i>President:</i>	Hoshin Gupta (2005-2009)	USA / INDIA
<i>Past President:</i>	Charles Vörösmarty	USA
<i>Secretary:</i>	Thorsten Wagener	GERMANY / USA
<i>Vice President:</i>	Stewart Franks	AUSTRALIA
	Luis Bastidas	USA
	Eva Boegh	DENMARK

International Commission on Continental Erosion (ICCE)

<i>President:</i>	Jim Bogen (2005-2009)	NORWAY
<i>Past President:</i>	Wojcieh Froehlich	POLAND
<i>Secretary:</i>	Dirk de Boer	CANADA
<i>Vice President:</i>	Jon Olley	AUSTRALIA
	Arthur Horowitz	USA
	Valentin Golosov	RUSSIA

International Commission on Groundwater (ICGW)

<i>President:</i>	Mary C. Hill (2005-2009)	USA
<i>Past President:</i>	Yoram Rubin	USA
<i>Secretary:</i>	Aldo Fiori	ITALY
<i>Vice President:</i>	N.M. Abou Ashour	EGYPT
	Jim Barker	CANADA
	Alberto Bellin	ITALY

International Commission on Remote Sensing (ICRS)

<i>President:</i>	Alain Pietroniro	CANADA
<i>Past-President:</i>	Al Rango	USA
<i>Secretary:</i>	Manfred Owe	USA
<i>Vice President:</i>	Toshio Koike	JAPAN
	Inge Sandholt	DENMARK
	Ian Cluckie	UNITED KINGDOM

International Commission on Snow and Ice Hydrology (ICSIH)

<i>President:</i>	John Pomeroy (2005-2007)	CANADA
<i>Honorary President:</i>	Gerry Jones	CANADA
<i>Secretary:</i>	Regine Hock	SWEDEN
<i>Vice-Presidents:</i>	Lev Kutchment	RUSSIA
	Daniel Marks	USA
	Philip Marsh	CANADA

International Commission on Surface Water (ICSW)

<i>President:</i>	Siegfried Demuth (2005-2009)	GERMANY
<i>Past President:</i>	Alan Gustard	UNITED KINGDOM
<i>Secretary:</i>	Hege Hisdal	NORWAY
<i>Vice President:</i>	Denis A. Hughes	SOUTH AFRICA
	Eric Servat	FRANCE
	Mandira Shrestha	NEPAL

International Commission on Tracers (ICT)

<i>President:</i>	John Gibson	CANADA
<i>Past President:</i>	Jeff McDonnell	USA/CANADA
<i>Secretary:</i>	Alan Rodhe	SWEDEN
<i>Vice President:</i>	Simon Lorenz	SOUTH AFRICA
	Chris Soulsby	UNITED KINGDOM
	Piotr Maloszewski	GERMANY / POLAND

International Commission on Water Quality (ICWQ)

<i>President:</i>	Bruce Webb (2004-2009)	UNITED KINGDOM
<i>Past President:</i>	Joop Steenvoorden (deceased 2004)	THE NETHERLANDS
<i>Secretary:</i>	Peter Heininger	GERMANY
<i>Vice President:</i>	Avner Vengosh	ISRAEL
	Valentina Krysanova	GERMANY / ESTONIA
	U.C. Sharma	INDIA

International Commission on Water Resources Systems (ICWRS)

<i>President:</i>	Hubertus Savenije (2005-2009)	THE NETHERLANDS
<i>Past President:</i>	Dan Rosbjerg	DENMARK
<i>Secretary:</i>	Andreas Schumann	GERMANY
<i>Vice President:</i>	Günter Blöschl	AUSTRALIA
	Miguel Mariño	USA
	Toshiharu Kojiri	JAPAN

IAHS Working Groups

Prediction in Ungauged Basins (PUB)

Chair:	Jeff McDonnell	USA
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WCRP Global Energy & Water Cycle Experiment (GEWEX)

Chair:	Alan Hall	AUSTRALIA
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Hydrology 2020 (H2020)

Chair:	Taikan Oki	JAPAN
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Working Group on Hydroinformatics

Chair:	Dragan Savic	UNITED KINGDOM
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PAST IAHS PRESIDENTS

1922-1933	E. Wade
1933-1936	J. Smetana (Czechoslovakia)
1936-1947	O. Lüschg (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. Szezstay (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)
2005-2009	A. Askew (Switzerland)

**PAST IAHS GENERAL
SECRETARIES**

1922-1933	G. Magrini (Italy)
1933-1947	F. Diéner (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.C. 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://www.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 2003-2007

<i>President:</i>	Michael MacCracken	USA
<i>Secretary-General:</i>	Roland List	CANADA
<i>Deputy Sec. General</i>	John Turner	UK
<i>Vice-Presidents:</i>	R.A. (Bob) Vincent	AUSTRALIA
	Guoxiong Wu	CHINA
<i>Past-President:</i>	H.C. (Huw) Davies	SWITZERLAND
<i>Members at large:</i>	Leonard A. Barrie	SWITZERLAND
	Igor Mokhov	RUSSIA
	Akimasa Sumi	JAPAN
	Philippe Bougeault	FRANCE

IAMAS COMMISSIONS

Atmospheric Chemistry and Global Pollution (ICACGP)

<i>President:</i>	Anne M. Thompson	USA
<i>Vice President:</i>	Frank Raes	ITALY
<i>Secretary:</i>	Patricia Quinn	USA

Atmospheric Electricity (ICAE)

<i>President:</i>	Pierre Laroche	FRANCE
<i>Secretary:</i>	Serge Soula	FRANCE

Climate (ICCL)

www.iccl-iamas.org

<i>President:</i>	Keith Alverson	SWITZERLAND
<i>Secretary:</i>	Neil Holbrook	AUSTRALIA

Clouds and Precipitation (ICCP)

<i>President:</i>	Zev Levin	ISRAEL
<i>Vice-President:</i>	Andrea Flossman	FRANCE
<i>Secretary:</i>	David O'C. Starr	USA

ICCP - Committee on Nucleation and Atmospheric Aerosols

Chairman:	Markku Kulmala	FINLAND
Vice-President:	Gabor Vali	USA

Dynamic Meteorology (ICDM)

<i>President:</i>	Peter Baines	AUSTRALIA
<i>Secretary:</i>	John W. Nielsen-Gammon	USA

Middle Atmosphere (ICMA)<http://www.soest.hawaii.edu/~kph/ICMA.html>

<i>President:</i>	Kevin Hamilton	USA
<i>Secretary:</i>	Albert Hertzog	FRANCE

Planetary Atmospheres and Their Evolution (ICPAE)

<i>President:</i>	Athena Coustenis	FRANCE
<i>Vice President:</i>	Dmitri Titov	GERMANY
<i>Secretary:</i>	Darrell Strobel	USA

Polar Meteorology (ICPM)

<i>President:</i>	David Bromwich	USA
<i>Secretary:</i>	Andrew Carleton	USA

Ozone (IOC)

<i>President:</i>	Ivar. S. A. Isaksen	NORWAY
<i>Vice President:</i>	Sophie Godin-Beekmann	GERMANY
<i>Secretary:</i>	Christos Zerefos	GREECE
<i>Member:</i>	Rumen D. Bojkov	SWITZERLAND

Radiation (IRC)<http://www.irc-iamas.org/>

<i>President:</i>	Teruyuki (Terry) Nakajima	JAPAN
<i>Vice President:</i>	Robert Ellingson	USA
<i>Secretary:</i>	Carmine Serio	ITALY

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)
2003-2007	M. MacCracken (USA)

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-	R. List (Canada)

VII. International Association of the Physical Sciences of the Oceans (IAPSO) Association Internationale des Sciences Physiques de l'Océans (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 BUREAU 2003 – 2007

President: Shiro Imawaki JAPAN
Secretary-General: Fred E. Camfield USA

IAPSO EXECUTIVE COMMITTEE 2003 – 2007

Vice-Presidents: S. Krishnaswami INDIA
Lawrence A. Mysak CANADA
Deputy Secretary General: Maria C. Piccolo ARGENTINA
Members: Kentang Le CHINA
Eugene G. Morozov RUSSIA
Denise Smythe-Wright UK
W. John Gould USA
Claude Roy FRANCE
John Middleton AUSTRALIA
Past President: Paola Rizzoli ITALY

IAPSO COMMISSIONS

Mean Sea-Level & Tides

Director: Philip L. Woodworth UK

JOINT COMMISSIONS

Tsunami Commission (Joint with IASPEI & IAVCEI)

Chair: Kenji Satake JAPAN
Liaison: Fred E. Camfield USA
Vice-Chairs: Frank Gonzalez USA
Gerassimos Papadopoulos GREECE
Secretary: Fumihiko Imamura JAPAN

IAPSO/SCOR Working Group 121 on Deep Ocean Mixing

Chairperson: Robin D. Muench USA

IASPEI/IAPSO/IAGA International Ocean Network (ION)

Chair: Adam Schultz UK
Secretary: Heinrich Villinger GERMANY
Liaison:

IASPEI/IAVCEI/IAPSO International Heat Flow Commission (IHFC)

Chair: David S. Chapman USA

SERVICES

Permanent Service for Mean Sea Level (affiliated to FAGS)

Director: Philip L. Woodworth UK

IAPSO Standard Seawater Service

Director: Paul S. Ridout UK

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 (Italy/U.S.A.)
2003-2007	S. Imawaki (Japan)

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*, n15, Première Partie, pp. 12-28, and *Fifty Years of the International Association of Seismology* (1901-1951) by J.-P. Rothé (18 pages).

IASPEI BUREAU 2003 – 2007

<i>President:</i>	E. Robert Engdahl	USA
<i>First Vice-President:</i>	Zhongliang Wu	CHINA
<i>Second Vice-President:</i>	Gregory A. Houseman	UK
<i>Secretary General/Treasurer:</i>	Peter Suhadolc	ITALY

IASPEI EXECUTIVE COMMITTEE 2003 – 2007

<i>Members:</i>	Diana Comte	CHILE
	Uli Christensen	GERMANY
	Ian Jackson	AUSTRALIA
	Kiyoshi Suyehiro	JAPAN
	Brian L.N. Kennett	AUSTRALIA

IASPEI REPRESENTATIVES TO OTHER GROUPS

IAGA/IASPEI Working Group on the Re-Use of Submarine Telephone Cables:

Representative: Junzo Kazahara JAPAN

IAPSO/IASPEI/IAVCEI Joint Tsunami Commission:

Chair: Kenji Satake JAPAN

IAU/IUGG Working Group on Non-Rigid Earth Nutations:

Representative: Bruce A. Buffett CANADA

ICSU Panel on World Data Centers:

Representative: Timothy K. Ahern USA

ISC Executive Committee:

Representative: Oleg E. Starovoit RUSSIA

IUGG Committee for Mathematical Geophysics:

Representative: Yehuda Ben-Zion USA

IUGG/IUGS Commission on the Lithosphere:

Representative: E. Robert Engdahl USA

SCAR (Solid Earth Geophysical Working Group):

Representative: Saurabh K. Verma INDIA

IASPEI COMMISSIONS 2003-2007

Commission on Tectonophysics and Crustal Structure

Chair: Kevin Furlong USA

Task Group on World Stress Map Project

Chair: Karl Fuchs GERMANY

Task Group on Seismic Imaging of the Lithosphere

Acting Chair: Walter D. Mooney USA

Task Group for Active Monitoring

Chair: Mineo Kumazawa JAPAN

Commission on Earthquake Hazard, Risk & Strong Ground Motion (SHR)

Chair: Zhongliang Wu CHINA

IASPEI/IAEE Joint Working Group on Effects of Surface Geology

Chair: Hiroshi Kawase JAPAN

ASC/SHR Joint Working Group on Seismic Hazard & Risk Assessment for Asian-Pacific Regions

Chair: Fabio Romanelli ITALY

Co-Chair: Gary Gibson AUSTRALIA

Commission on Earth Structure & Geodynamics:

Co-Chairs: Greg Houseman UK
 Thorne Lay USA

Working Group on Reference Earth Models

Chair: Gabi Laske USA

Commission on Seismological Observation & Interpretation (CoSOI)

Chair: Dmitry A. Storchak

Working Group on Magnitude Measurements

Chair: James W. Dewey USA

Working Group on Reference Events from Improved Locations

Co-Chairs: Paul G. Richards USA
 E. Robert Engdahl USA

Task Group on Scattering & Heterogeneity

Chair: Haruo Sato JAPAN

Working Group on Seismological Archives

Chair: Roger W.M. Musson UK

Commission on Earthquake Sources – Prediction & Modeling

Chair: Mitsuhiro Matsu'ura JAPAN

Commission on Education & Outreach

Co-Chairs: Kiyoshi Suyehiro JAPAN
 John Taber USA

Federation of Digital Broadband Seismograph Network (FDSN)

Chair: Domenico Giardini SWITZERLAND

European Seismological Commission (ESC)

President: Claudio Eva ITALY

Secretary General: Mariano Garcia Fernandez SPAIN

Asian Seismological Commission (ASC)

President: Zhu Chuanzhen CHINA

Secretary General: R.K. Chadha INDIA

International Commission on Earth Sciences in Africa (ICESA)

<i>Chair:</i>		
<i>Vice-Chairperson:</i>	Mohamed G. Abdelsaalam	USA
<i>Secretary General:</i>	Francis Tembo	ZAMBIA
<i>Treasurer:</i>	Steve McCourt	SOUTH AFRICA

INTER-ASSOCIATION ACTIVITIES 2003-2007

IASPEI/IAVCEI/IAPSO International Heat Flow Commission (IHFC)

<i>Chair:</i>	David S. Chapman	USA
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IASPEI/IAVCEI Commission on Physics & Chemistry of Earth Materials

<i>Chair:</i>	Ian Jackson	AUSTRALIA
<i>Secretary:</i>	Sharon L. Webb	GERMANY

IASPEI/IAVCEI/IAG Committee on Volcano Geophysics

<i>IASPEI Representative:</i>	Jurgen Neuberger	UK
<i>Co-Chair:</i>	Hiroyuki Kumagai	JAPAN

IASPEI/IAVCEI Working Group on Subduction Zones Located in Developing Countries

<i>Chair:</i>	Sri Widiyantoro	INDONESIA
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IAGA/IASPEI/IAVCEI Working Group on Electromagnetic Studies of Earthquakes & Volcanoes (EMSEV)

<i>Chair:</i>	Seiya Uyeda	JAPAN
<i>IASPEI/IAVCEI Liaison:</i>	Malcolm J.S. Johnston	USA
<i>Secretary:</i>	Toshiyasu Nagao	JAPAN

IAPSO/IASPEI/IAVCEI Joint Tsunami Commission

<i>Chair:</i>	Kenji Satake	JAPAN
---------------	--------------	-------

IASPEI/IAPSO/IAGA International Ocean Network (ION)

<i>Chair:</i>	Adam Schultz	UK
<i>Secretary:</i>	Heinrich Villinger	GERMANY
<i>Liaison:</i>	Kiyoshi Suyehiro	JAPAN

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)
2003-2007	E.R. Engdahl (U.S.A.)

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.)
1991-2003	E.R. Engdahl (U.S.A.)
2003-	P. Suhadolc (Italy)

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)

<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>	Oded Navon	ISRAEL
<i>Vice-Presidents:</i>	Toshitsugu Fujii	JAPAN
	Jocelyn McPhie	AUSTRALIA
<i>Secretary General:</i>	Steve McNutt	USA
<i>Members:</i>	Anita Grunder	USA
	Jean-Christophe Komorowski	FRANCE
	Hugo Moreno-Roa	CHILE
	Renato Solidum	PHILIPPINES
<i>Past-President:</i>	R. Steve Sparks	UK
<i>Editor BV:</i>	John Stix	CANADA
<i>Deputy Secretary General:</i>	Jon Dehn	USA
<i>Membership Secretariat:</i>	Caroline Giddings	AUSTRALIA
<i>Administrative Assistant:</i>	Jennifer Risse	USA

IAVCEI COMMISSIONS

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

<i>Chair:</i>	Ian Jackson	AUSTRALIA
<i>Secretary:</i>	Sharon Webb	GERMANY

Commission on Granites

<i>Leader:</i>	Nick Petford	UK
<i>Secretary:</i>	Sandeep Singh	INDIA

Commission on Large-Volume Basaltic Provinces

<i>Co-Leaders:</i>	Richard E. Ernst	CANADA
	Ian H. Campbell	AUSTRALIA

Commission on the Chemistry of Volcanic Gases

<i>Leader:</i>	Yuri Taran	MEXICO
<i>Secretary:</i>	John Stix	CANADA
<i>Newsletter Editor:</i>	Pierre Delmelle	BELGIUM
<i>Webmaster:</i>	Tobias Fischer	USA

Commission on Volcanic Lakes

<i>Leader:</i>	Johan C. Varekamp	USA
<i>Secretary:</i>	Alain Bernard	BELGIUM

Commission on Explosive Volcanism

<i>Co-Leaders:</i>	Shinji Takarada	JAPAN
	Sharon Allen	AUSTRALIA

Commission on Volcanogenic Sedimentation

<i>Co-Leaders:</i>	Karoly Nemeth	HUNGARY
	Uli Martin	GERMANY
<i>Newsletter Editor:</i>	Vern Manville	NEW ZEALAND

Commission on Volcanism and the Earth's Atmosphere

<i>Co-Leaders:</i>	Clive Oppenheimer	UK
	Libby Prueher	USA

Commission on Remote Sensing

Leader: Ken Dean USA
Secretary: John Chadwick USA

Commission on Volcanic Seismology (joint with IASPEI)

Leader: Juergen Neuberg UK
Co-Leader: Hiroyuki Kumagai JAPAN

World Organization of Volcano Observatories

CoLeaders: Warner Marzocchi ITALY
Glen Mattioli USA
Andrew Tupper AUSTRALIA

Commission on Mitigation of Volcanic Disasters

Leader: Giovanni Orsi ITALY
Co-Leaders: Claus Siebe MEXICO
Jan Lindsay NEW ZEALAND

Committee on Cities on Volcanoes:

Leader: David Johnston NEW ZEALAND
Secretary: Diane Tilyard NEW ZEALAND

Commission on Arc Magmatism

Co-Leaders: Mike Dungan USA/CHILE
Olivier Bachman SWITZERLAND
Richard Price UK
Colin MacPherson UK

Commission on Kimberlites

Co-Leaders: Roger Mitchell CANADA
Barbara Scott-Smith CANADA

IAVCEI/IASPEI/IAPSO International Heat Flow Commission

Chair: David S. Chapman USA

IAPSO/IASPEI/IAVCEI Joint Tsunami Commission

Chair: Kenji Satake JAPAN
IAVCEI Representative: Yuichi Nishimura JAPAN

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

<http://yochi.iord.u-tokai.ac.jp/emsev/>

Leader: Seiya Uyeda JAPAN
IAVCEI Liaison: M.S. Johnston USA

The International Volcanic Health Hazard Network (IVHHN)

Co-Leaders: Claire Horwell UK
Peter Baxter UK

IASPEI/IAVCEI Working Group on Subduction Zones Located in Developing Countries

Chair: Sri Widiyantoro INDONESIA

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.)
2003-2007	O. Navon (Israel)

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 2006 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 2005.

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 2005.

ALBANIA - ALBANIE

Adhering Organization
The Academy of Sciences
Sheshi Fan S. Noli
Tirane, ALBANIA

NATIONAL COMMITTEE
President: E. SULSTAROVA
Secretary General: S. ALIAJ

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	N. KUKA	IAGA:	S. BUSHATI B. DUKA	IAHS:	M. SANXHAKU V. MUSTAQI
IAMAS:	A. SELENICA	IAPSO:		IASPEI:	B. MUCO L. DUNI
IAVCEI:					

ALGERIA – ALGERIE

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

NATIONAL COMMITTEE
President: Abdelkarim YELLES-CHAOUCHE

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	H. OUKACI	IAGA:	A. ABTOUT	IAHS:	A. DEMMAK
IAMAS:	A. ZEHAR	IAPSO:	M. BOULAHIDID	IASPEI:	A. YELLES-CHAOUCHE
IAVCEI:					

ARGENTINA - ARGENTINE**Adhering Organization**

Comite Nacional de la Union Geodesica y Geofisica Internacional
 Cabildo 381
 1426 Buenos Aires
 www.igm.gov.ar

NATIONAL COMMITTEE

President: A.A. STAHLSCHMIDT **Secretary General:** R.C. RAMOS
Executive Vice-President: C. RISSO **Assistant Secretary General:** S.R. CIMBARO
Second Vice-President: N.C. SABBIONE **Treasurer:** M.J. FIORITI

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: F. M. GALBÁN **IAGA:** C. POMPOSIELLO **IAHS:**
IAMAS: P. ALESSANDRO **IAPSO:** S. BLANC **IASPEI:** N. SABBIONE
IAVCEI: I. PETRINOVIC

REPUBLIC OF ARMENIA - RÉPUBLIQUE D' ARMENIA**Adhering Organization**

National Survey for Seismic Protection
 Government of the Republic of Armenia
 Davidashen Massiv 4
 375054 YEREVAN

office@nssp-gov.am

www.nssp-gov.am

NATIONAL COMMITTEE

President: A. ANTONYAN **Secretary:** S. NAZARETYAN

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: G. AVETYAN **IAGA:** S. HOVHANISSIAN **IAHS:** V. BOJNAGRIAN
IAMAS: G. KOJOYAN **IAPSO:** **IASPEI:** A. ARAKELYAN
IAVCEI: R. GEVORGYAN

AUSTRALIA - AUSTRALIE**Adhering Organization**

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

F: 61 2 6257 4620

www.science.org.au

NATIONAL COMMITTEE

National Relations Assistant: **International Programs Contact:** J. MILL

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG: P. TREGONING **IAGA:** I. CAIRNS **IAHS:** J.D. KALMA
IAMAS: R. A. VINCENT **IAPSO:** I.S.F. JONES **IASPEI:** B.L.N. KENNETT
IAVCEI: J. MC PHIE

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:	Ch. TWAROCH	IAGA:	S. J. BAUER	IAHS:	F. NOBILIS
IAMAS:	M. KUHN	IAPSO:	H. LÖFFLER	IASPEI:	W. LENHARDT
IAVCEI:	G. MAYER				

BELGIUM - BELGIQUE

Adhering Organization
 The Royal Academies of Science and the Arts of Belgium (RASAB)
 Palais des Academies-Paleis der Academien
 Hertogsstraat 1 rue Ducale
 B-1000 BRUSSELS

NATIONAL COMMITTEE
President: E. ARIJS
Secretary: B. DUCARME
Vice-President: V. DEHANT
Adjunct Secretary: D. DE MUER
Contact Staffperson: R. VAN VAERENBERGH (RASAB)

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	V. DEHANT	IAGA:	J. DE KEYSER	IAHS:	F. DE TROCH
IAMAS:	A. L. BERGER	IAPSO:	F. RONDAY	IASPEI:	T. CAMELBEECK
IAVCEI:	A. BERNARD				

BOSNIA & HERZEGOVINA

Adhering Organization
 Academy of Sciences & Arts
 of Bosnia & Herzegovina
 Bistrik 7, Sarajevo

T: 387 33 210 902

F: 387 33 206 033

akademija@anubih.ba

NATIONAL COMMITTEE
President: Acad. Dzevad SARAC
Vice-President: Prof.Dr. Zdravko GALIC
Secretary: Admir MULAHSIC

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	Z. GALIC	IAGA:		IAHS:	E. KUPUSOVIC
IAMAS:	Z. MAJSTOROVIC	IAPSO:		IASPEI:	I. BRLEK
IAVCEI:					

BRAZIL - BRESIL**Adhering Organization**

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

NATIONAL COMMITTEE

Director: L.P.S. FORTES

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	D. BLITZKOW	IAGA:	L.M. BARRETO	IAHS:	S. KOIDE
IAMAS:		IAPSO:		IASPEI:	
IAVCEI:					

BULGARIA - BULGARIE**Adhering Organization**

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

NATIONAL COMMITTEE

President: D. JORDANOV

Secretary: I. GEORGIEV

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	I. GEORGIEV	IAGA:	M. KOVACHEVA	IAHS:	
IAMAS:		IAPSO:		IASPEI:	
IAVCEI:					

CANADA**Adhering Organization**

National Research Council of Canada
 Bureau of International Relations
 Ottawa Ontario K1A 0R6

T: 613 991 5457; F: 613 952 9696

<http://www.cgu-ugc.ca/cnc-iugg/>

NATIONAL COMMITTEE

Chair: Z. HAHNAL

Contact Person: H. JORJANI

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	S. PAGIATAKIS	IAGA:	V. KRAVCHINSKY	IAHS:	J. POMEROY
	M. SANTOS		R. ENKIN		D. MOORE
IAMAS:	C. LIN	IAPSO:	M. STACEY	IASPEI:	K.E. LOUDEN
	T. SHEPERD		W. CRAWFORD		B. BUFFETT
IAVCEI:	C.J. HICKSON				
	J. STIX				

CHILE – CHILI

Adhering Organization
 Instituto Geográfico Militar
 Nueva Santa Isabel 1640
 Santiago

lalegria@igm.cl

www.igm.cl

NATIONAL COMMITTEE**President:** L. ALEGRIA Matta**Secretary:** L. PEREZ Alvarez**NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS**

IAG:	L. ALEGRIA Matta	IAGA:	R. GARNHAM Poblete	IAHS:	R. GARNHAM Poblete
IAMAS:	H. OLIVA Haupt	IAPSO:	R. GARNHAM Poblete	IASPEI:	E. G. KAUSEL
IAVCEI:	J. A. NARANJO				

CHINA - CHINE

Adhering Organization
 Chinese National Committee for IUGG
 Institute of Geophysics, China Earthquake Administration
 5 Minzu Daxue Nan Road
 Beijing 100081

F: 86 10 6841 5372

zhucz@cea-igp.ac.cn

NATIONAL COMMITTEE**President:** Y.T. CHEN**Secretary General:** C.Z. ZHU**Vice-President:** G.X. WU**NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS**

IAG:	Y.M. DANG	IAGA:	Z. X. LIU	IAHS:	J. Y. ZHANG
IAMAS:	G.X. WU	IAPSO:	K.T. LE	IASPEI:	Z.L. WU
IAVCEI:	Y.G. XU				

CHINA – CHINE**The Academy of Sciences Located in TAIPEI**

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

NATIONAL COMMITTEE**President:** Y.-H. YEH**Executive Secretary:** B.-S. HUANG**NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS**

IAG:	C.-S. CHEN	IAGA:	C.-H. LIU	IAHS:	J.-T. KUO
IAMAS:	S. C. LIU	IAPSO:	C.-T. LIU	IASPEI:	Y.-H. YEH
IAVCEI:	C.-H. CHEN				

COLOMBIA - COLUMBIE

Adhering Organization

Colombian Committee of Geodesy and Geophysics (CCGG)
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Please note.

In compliance with the EU General Data Protection Regulation, the address data on pages 60-125 have been removed from the digital edition of the IUGG Yearbook 2006.

LIST OF ACRONYMS

ABLOS	Advisory Board on Hydrographic, Geodetic and Marine Geo-Scientific 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
EMSEV	IASPEI/IAGA/IAVCEI Inter-Associations Commission on Electromagnetic Studies of Earthquakes and Volcanoes
FAGS	Federation of Astronomical and Geophysical Data Analysis Services
GALOS	Geodetic Aspects of the Law of the Sea
GOOS	Global Ocean Observing System
GTF	Geophysics: The Future, Inter-Associations Working Group
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 for Scientific
IERS	International Earth Rotation Service
IGBP	International Geosphere-Biosphere Programme
IGES	International Geoid Service
ILP	International Lithosphere Program
IPGH	Instituto Panamericano de Geografía 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
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