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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 2007, 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 » fut remplacé par celui d'« Association » lors de la cinquième Assemblée générale tenue à Lisbonne, en 1933. Une huitième Association sur les Sciences Cryosphériques fut créée lors de l'Assemblée Générale de 2007 à Pérougia, Italie.

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 2007, 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. An eighth Association of Cryospheric Sciences was added at the 2007 General Assembly held in Perugia, Italy.

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 XXV^e (25^e). Elle se tiendra à Melbourne, en Australie, en 2011. 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 XXIV Assemblée Générale, en 2007, seront présentés à la page 12.

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. Le Bureau se réunit chaque année.

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 Adhering Bodies 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 XXV (25th) in Melbourne, Australia, in 2011. 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 XXIV General Assembly in 2007 are listed on page 12.

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. The Bureau meets annually.

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 huit 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 huit Associations internationales sont les suivantes:

International Association of Cryospheric Sciences (IACS)
Association Internationale des Sciences Cryosphériques (AISC)

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 pour les Sciences Physiques des Océans (AISPO)
International Association for the Physical Sciences of the Oceans (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 eight 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 eight 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 des officiers qui 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 de l'Union

En raison de la nature interdisciplinaire des domaines traités par les Associations internationales, trois 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.

Les trois Commissions suivantes sont actuellement en activité:

- 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.

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 officers who are elected during their General Assembly. 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, three 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. The following three Commissions are presently 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
-

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 2007 la valeur d'une unité de cotisation est de 1.675 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 2007 is \$1,675. 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
<i>ALGERIA</i>	<i>1971-2006</i>		
ARGENTINA	1927	3	3
ARMENIA	2000	1	1
AUSTRALIA	1919	5	7
AUSTRIA	1948	3	3
BELGIUM	1919	4	5
BOLIVIA	1960-2000, 2006	A	0
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
GHANA	1957-1987, 2006	A	0
<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
EX-YUGOSLAVIAN REPUBLIC OF MACEDONIA	1995-2001		
MADAGASCAR	1967-1995		
MALAYSIA	1967-2002		
MAURITIUS	2003	A	0
MEXICO	1922	2	2
MONACO	1967	1	1
MONGOLIA	1995-2001		
MOROCCO	1924	A	0
MOZAMBIQUE	1983	1	1
MYANMAR (BURMA)	1957-2003		
NEPAL	1975-1987		
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
POLAND	1924	2	2
PORTUGAL	1919	2	2
ROMANIA	1930	1	1
RUSSIA***	1992	6	10
SAUDI ARABIA	1971-2001		
SENEGAL	1960-1995		
SERBIA & MONTENEGRO (*)	1996-2006		
SIERRA LEONE	1967-1983		
SLOVAK REPUBLIC	1993	1	1
SLOVENIA	1994	1	1
SOUTH AFRICA	1924	3	3
SPAIN	1922	5	7
SUDAN	1955-2000		
SWEDEN	1923	4	5
SWITZERLAND	1923	5	7
SYRIA	1948-1995		
TANZANIA	1975-2000		
THAILAND	1923	2	2
TUNISIA	1927-2001		
TURKEY	1949	2	2
U.K.	1919	8	20
URUGUAY	1924-2000		
U.S.A.	1919	11	35
VENEZUELA	1975	1	1
VIETNAM	1931	1	1
ZIMBABWE	1967-2000		

(*) Adhesion in 1996 under the name of the Federal Republic of Yugoslavia which was changed in 2003 to Serbia & Montenegro. In 2006, Serbia & Montenegro divided, and attempts to confirm membership of either country have been unsuccessful.

(**) 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	7
Asia	15
Europe	31
North and Central America	3
Oceania	2
South America	7

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	618	3757	4375

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

CURRENT OFFICERS OF IUGG

Bureau of the Union

<i>President:</i>	Tom Beer	AUSTRALIA
<i>Vice-President:</i>	Harsh Gupta	INDIA
<i>Secretary General:</i>	Alik Ismail-Zadeh	GERMANY/RUSSIA
<i>Treasurer:</i>	Aksel W. Hansen	DENMARK
<i>Members:</i>	Yun-tai Chen	CHINA
	David Jackson	USA
	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, U. Shamir (ISRAEL)
- the Presidents of the International Associations:

<i>IACS:</i>	Georg Kaser	AUSTRIA
<i>IAG:</i>	Michael Sideris	CANADA
<i>IAGA:</i>	Eigil Friis-Christensen	DENMARK
<i>IAHS:</i>	Arthur Askew	SWITZERLAND/AUSTRALIA
<i>IAMAS:</i>	Guoxiong Wu	CHINA
<i>IAPSO:</i>	Lawrence Mysak	CANADA
<i>IASPEI:</i>	Zhongliang Wu	CHINA
<i>IAVCEI:</i>	Setsuya Nakada	JAPAN

Finance Committee of the Union

<i>Chair:</i>	Juan Francisco Vilas	ARGENTINA
<i>Members:</i>	David Collins	UK
	Jan Krynski	POLAND
	Kiyoshi Suyehiro	JAPAN

IUGG Liaison Officers with Intergovernmental Organizations

<i>Cartographic Office of the United Nations:</i>	Luiz Fortes	BRAZIL
<i>United Nations Educational, Scientific and Cultural Organization (UNESCO):</i>		
<i>International Hydrological Programme:</i>	Pierre Hubert	FRANCE
<i>International Oceanographic Commission (IOC):</i>	Eugene Morozov	RUSSIA
<i>World Meteorological Organization (WMO):</i>	Arthur Askew	SWITZERLAND/AUSTRALIA
	John Turner	UK

IUGG Representatives on ICSU Committees and ICSU Regional Offices

<i>Committee on Space Research (COSPAR):</i>	Eigil Friis-Christensen	DENMARK
<i>Federation of Astronomical and Geophysical Data Analysis Services (FAGS):</i>	Ruth Neilan	USA
<i>Scientific Committee on Antarctic Research (SCAR):</i>	Vladimir Papitashvili	USA
<i>Scientific Committee on the Problems of the Environment (SCOPE):</i>	Norman E. Peters	USA
<i>Scientific Committee on Oceanic Research (SCOR):</i>		
	Michael C. MacCracken	USA
	Lawrence Mysak	CANADA
<i>Scientific Committee on Solar-Terrestrial Physics (SCOSTEP):</i>	Robert Vincent	AUSTRALIA
<i>World Climate Research Programme (WCRP):</i>	Guoxiong Wu	CHINA
<i>Regional Office for Africa (ROA):</i>	Richard Wonnacott	SOUTH AFRICA
<i>Regional Office for Asia & the Pacific (ROAP):</i>	Sri Widiyantoro	INDONESIA
<i>Regional Office for Latin America and Caribbean (ROLAC):</i>	Luiz Fortes	BRAZIL

IUGG Representatives on Other Bodies

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

ACCREDITED DELEGATES TO THE COUNCIL OF THE IUGG

24th General Assembly, Perugia, ITALY, 2-13 July 2007 Listeners (from Associate Member Countries) are indicated by italics.

E. Sulstarova (ALBANIA), A.A. Stahlschmidt (ARGENTINA), C. Risso (ARGENTINA), A. Antonyan (ARMENIA), I. Jackson (AUSTRALIA), C. Twaroch (AUSTRIA), M. Kuhn (AUSTRIA), V. Dehant (BELGIUM), B. Ducarme (BELGIUM), E. Minaya (BOLIVIA), M. Mulic (BOSNIA & HERZEGOVINA), L. Fortes (BRAZIL), D. Blitzkow (BRAZIL), Z. Hajnal (CANADA), R. Barriga (CHILE), R. Maturana (CHILE), G. Wu (CHINA), Y.-H. Yeh (CHINA – TAIPEI), B.-S. Huang (CHINA-TAIPEI), W. Martinez-Diaz (COLOMBIA), V. Lukanda Mwaba (D.R.CONGO), M. Orlik (CROATIA), P. Holota (CZECH REPUBLIC), V. Cermak (CZECH REPUBLIC), S. Gregersen (DENMARK), S. Mahmoud (EGYPT), R. Room (ESTONIA), P. Malkki (FINLAND), M. Menvielle (FRANCE), R. Schlich (FRANCE), R. Kind (GERMANY), *W.E.I. Andah (GHANA)*, L. Bozo (HUNGARY), J. Adam (HUNGARY), A. Snorrason (ICELAND), V.P. Dimri (INDIA), H. Harjono (INDONESIA), A.A. Bidokhti (IRAN), C. Bean (IRELAND), Z. Levin (ISRAEL), L. Ubertini (ITALY), K. Takeuchi (JAPAN), W.M. Moon (KOREA), N. Schares (LUXEMBOURG), N. D'Oreye (LUXEMBOURG), H. Perez de Tejada (MEXICO), D. Rhoades (NEW ZEALAND), F. Fajemirokun (NIGERIA), B.L. Bye (NORWAY), A.Ali (PAKISTAN), N.Elahi (PAKISTAN), S.Muhammed (PAKISTAN), L.W. Baran (POLAND), L.A. Mendes-Victor (PORTUGAL), C. Sava (ROMANIA), A.D. Gvishiani (RUSSIA), L. Brimich (SLOVAK REPUBLIC), M. Brilly (SLOVENIA), C. Merry (SOUTH AFRICA), I. Ansoorge (SOUTH AFRICA), R. Vieira (SPAIN), G. Marklund (SWEDEN), N. Ivchenko (SWEDEN), C. Fierz (SWITZERLAND), N. Soyer (TURKEY), A. Kilicoglu (TURKEY), D. Collins (UK), P. Grew (USA), N.Van Giang (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)
2007-2011	T. Beer (Australia)

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. 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)
2003-2007	T. Beer (Australia)
2007-2011	H. Gupta (India)

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)
1999-2007	J.A. Joselyn (U.S.A.)
2007-	A. Ismail-Zadeh (Germany)

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

PAST IUGG TREASURERS

1960-1971	E. Andersen (Denmark)
1971-1979	E. Kejlsø (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.)
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)
2003-2007	Y.T. Chen (China) H.K. Gupta (India) A.A.A. Tealeb (Egypt)
2007-2011	Y.T. Chen (China) D. Jackson (U.S.A.) 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.)
2003-2007	M. Hamlin (U.K.)
2007-	J.F. Vilas (Argentina)

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)

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 (U.S.A.)
2007-2011	D. Collins (U.K.) J. Krynski (Poland) K. Suyehiro (Japan)

UNION COMMISSIONS

Union Commission on Mathematical Geophysics:

<i>Chair:</i>	Daniel H. Rothman	USA
<i>Secretary:</i>	Claudia Pasquero	USA
<i>Vice-Chair:</i>	Einat Aharonov	ISRAEL
<i>Vice-Chair:</i>	Ray Pierrehumbert	USA
<i>Vice-Chair:</i>	Eli Tziperman	USA
<i>IAG Liaison:</i>	Peiliang Xu	JAPAN
<i>IAGA Liaison:</i>	Matthias Holschneider	GERMANY
<i>IAHS Liaison:</i>	Daniel Schertzer	FRANCE
<i>IAMAS Liaison:</i>	Dick Peltier	CANADA
<i>IAPSO Liaison:</i>	Paola M. Rizzoli	USA
<i>IASPEI Liaison:</i>	Yehuda Ben-Zion	USA
<i>IAVCEI Liaisons:</i>	A. Neri	ITALY

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

www.sedigroup.org

<i>Chair:</i>	Gauthier Hulot	FRANCE
<i>Vice-Chair:</i>	Satoru Tanaka	JAPAN
<i>Secretary General:</i>	Mike Bergman	USA
<i>Advisory Committee:</i>	Francis Albarede	FRANCE
	Reinhard Boehler	GERMANY
	Bruce Buffett	USA
	Ondrej Cadek	CZECH REPUBLIC
	Ulrich R. Christensen	GERMANY
	Catherine Constable	USA
	Ibrahim A. Eltayeb	SULTANATE OF OMAN
	G. Fiquet	
	Rongshan Fu	CHINA
	Ed Garnero	
	Gary Glatzmaier	USA
	George Helffrich	
	Richard Holme	
	S.I. Karato	USA
	Louise Kellogg	USA
	Masaru Kono	JAPAN
	Ban-Yuan Kuo	CHINA – TAIPEI
	K. Kurita	JAPAN
	David Loper	USA
	Guy Masters	USA
	Jerry X. Mitrovica	CANADA
	Andrea Morelli	ITALY
	Barbara Romanowicz	USA
	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>	Kuniyoshi Takeuchi	JAPAN
<i>Vice-Chairs:</i>	Vladimir Kossobokov	RUSSIA
	Ramesh Singh	INDIA
<i>Secretary:</i>	Gerd Tetzlaff	GERMANY
<i>Treasurer:</i>	Paula Dunbar	USA
<i>Past Chair:</i>	Alik Ismail-Zadeh	GERMANY

Inter-Union Commission on the Lithosphere: The International Lithosphere program

www.scl-ilp.org

Officers Appointed for the Term 2006-2010

<i>President:</i>	Sierd Cloetingh	NETHERLANDS
<i>Secretary General:</i>	Jørg F.W. Negendank (until mid-2008)	GERMANY
<i>Bureau Members:</i>	IUGG: E. Robert Engdahl	USA
	IUGG: K.C. Sain	INDIA
	IUGS: Y. Tatsumi	JAPAN
	IUGS: Jean Paul Cadet	FRANCE
	IUGS and IUGG: A. Green	SWITZERLAND
<i>Past President (ex officio):</i>	Asahiko Taira	JAPAN
<i>Chair of National Members:</i>	Soren Gregersen	DENMARK

II. INTERNATIONAL ASSOCIATIONS

IUGG comprises eight 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 eight International Associations are:

Association Internationale des Sciences Cryosphériques (AISC)

International Association of Cryospheric Sciences (IACS)

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 pour les Sciences Physiques des Océans (AISPO)

International Association for the Physical Sciences of the Oceans (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)

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
IAVCEI	2004	Pucon, Chile	936
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	2008	Reykjavik, Iceland	
IAGA	2009	Sopron, Hungary	
IAHS	2009	Hyderabad, India	
IAMAS/IAPSO/IACS	2009	Montreal, Canada	
IASPEI	2009	Cape Town, South Africa	

* With International Association for Biological Oceanography (IABO)

III. International Association of Cryospheric Sciences (IACS) Association Internationale des Sciences Cryosphériques (AISC)

<http://www.cryosphericciences.org>

On July 4, 2007, at the 10th IUGG General Assembly in Perugia, Italy, the IUGG Council decided to launch the International Association of Cryospheric Sciences, IACS as the 8th IUGG Association. IACS is now a sister organization to long established Associations such as those for Hydrological Sciences (IAHS), Meteorology and Atmospheric Sciences (IAMAS) and Physical Sciences of the Oceans (IAPSO). The decision by the IUGG Council was mainly reached in recognition of the fact that the study of the Cryosphere has to be seen on equal footing to investigations of other components of the Earth system. With the initiation of IACS, its predecessors, the International Commission for Snow and Ice (ICSI) and the Union Commission on Cryospheric Sciences (UCCS) are superseded.

IACS BUREAU 2007-2011

<i>President:</i>	Georg Kaser	AUSTRIA
<i>Vice-Presidents:</i>	Gino Cassasa	CHILE
	Kumiko Goto-Azuma	JAPAN
	Peter Jansson	SWEDEN
<i>Secretary-General:</i>	Manfred Lange	GERMANY
<i>Past President:</i>	H. Gerald Jones	CANADA
<i>President Elect:</i>	Ian Allison	AUSTRALIA

IACS HEADS OF DIVISIONS 2007-2011

Snow and Avalanches:	Charles Fierz	SWITZERLAND
Continental Glaciers and Ice Sheets:	Julian Dowdeswell	UNITED KINGDOM
Marine and Freshwater Ice:	Claude Duguay	CANADA
Cryosphere, Atmosphere and Climate:	Valérie Masson Delmotte	FRANCE
Planetary and other Ices of the Solar System:	Ralf Greve	JAPAN/GERMANY

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

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

In 1862, the “Mitteleuropäische Gradmessung” was founded as the first international scientific association of significance. It expanded to the “Internationale Erdmessung” (Association Géodésique Internationale) in 1886. 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 EXECUTIVE COMMITTEE 2007-2011

The IAG Executive Committee consists of the Bureau, the immediate Past President, the Commission Presidents, the Chair of the Global Geodetic Observing System, the President of the Communication and Outreach Branch, three Representatives of the Services, and two Members at Large.

IAG Bureau:

<i>President:</i>	Michael G. Sideris	CANADA
<i>Vice-President:</i>	Chris Rizos	AUSTRALIA
<i>Secretary General:</i>	Hermann Drewes	GERMANY

Immediate Past President:

Gerhard Beutler	SWITZERLAND
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Commission Presidents:

<i>Commission 1:</i>	Zuheir Altamimi	FRANCE
<i>Commission 2:</i>	Yoichi Fukuda	JAPAN
<i>Commission 3:</i>	Michael Bevis	USA
<i>Commission 4:</i>	Sandra Verhagen	THE NETHERLANDS

Chair of the Global Geodetic Observing System (GGOS):

Markus Rothacher	GERMANY
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President of the Communication and Outreach Branch:

Józef Ádám	HUNGARY
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Representatives of the IAG Services:

Steve Kenyon	USA
Ruth E. Neilan	USA
Harald Schuh	AUSTRIA

IAG Members at Large:

Kosuke Heki	JAPAN
Richard Wonnacott	SOUTH AFRICA

Non-voting Members:

<i>President of the ICCT:</i>	Nico Sneeuw	GERMANY
<i>Assistant Secretary:</i>	Helmut Hornik	GERMANY
<i>IAG Past Presidents:</i>	Helmut Moritz	AUSTRIA
	Ivan I. Mueller	USA
	Wolfgang Torge	GERMANY
	Klaus-Peter Schwarz	CANADA
	Fernando Sansó	ITALY
<i>Past Secretaries General:</i>	Michel Louis	FRANCE
	Claude Boucher	FRANCE
	Christian C. Tscherning	DENMARK

IAG COMMISSIONS**Commission 1: Reference Frames**

President: Zuheir Altamimi FRANCE
Vice-President: Mike Craymer CANADA

Commission 2: Gravity Field

President: Yoichi Fukuda JAPAN
Vice-President: Pieter Visser THE NETHERLANDS

Commission 3: Earth Rotation and Geodynamics

President: Mike Bevis USA
Vice-President: Richard Gross USA

Commission 4: Positioning and Applications

President: Sandra Verhagen THE NETHERLANDS
Vice-President: Dorota Brzezinska USA

IAG SERVICES**Bureau Gravimetric International (BGI):**

Director: Sylvain Bonvalot FRANCE

Bureau International de Poids et Mesures (BIPM), Section Time, Frequency and Gravimetry:

Head of Section: Elisa Felicitas Arias FRANCE

IAG Bibliography Service (IBS):

Chair: Annekathrin Michlenz GERMANY

International Centre for Earth Tides (ICET):

Chair: Jean-Pierre Barriot FRANCE

International Centre for Global Earth Models (ICGEM):

Director: Jürgen Kusche GERMANY

International DORIS Service (IDS):

Chair of Governing Board: Gilles Tavernier FRANCE
Director of Central Bureau: Laurent Soudarin FRANCE

International Earth Rotation and Reference Systems Service (IERS):

Chair of Directing Board : Chopo Ma USA
Director of Central Bureau: Bernd Richter GERMANY

International Geoid Service (IGeS):

President/Director: Riccardo Barzaghi ITALY

International Gravity Field Service (IGFS):

Chair: Rene Forsberg DENMARK

International GNSS Service (IGS):

Chair of Governing Board: John Dow GERMANY
Director of Central Bureau: Ruth Neilan USA

International Laser Ranging Service (ILRS):

Chair of Governing Board: Werner Gurtner SWITZERLAND
Director of Central Bureau: Michael Pearlman USA
Secretary: Carey Noll USA

International Service for Geodesy and Astrometry (IVS):

Chair of Directing Board: Harald Schuh AUSTRIA
Director of Coord. Centre: Dirk Behrend USA

Permanent Service for Mean Sea Level (PSMSL):

Director: Lesley J. Rickards UK

IAG INTER-COMMISSION COMMITTEE ON THEORY

President:	Nico Sneeuw	GERMANY
<i>Vice-President:</i>	Pavel Novák	CZECH REPUBLIC

IAG OFFICE

Deutsches Geodätisches Forschungsinstitut (DGFI)

Secretary General:	Hermann Drewes	GERMANY
<i>Assistant Secretary:</i>	Helmut Hornik	GERMANY

COMMUNICATION AND OUTREACH BRANCH

Hungarian Academy of Sciences (HAS) / Budapest University of Technology and Economics (BUTE)

President:	József Ádám	HUNGARY
Secretary:	Szabolcs Rózsa	HUNGARY

JOURNAL OF GEODESY

Editor in Chief:	Roland Klees	THE NETHERLANDS
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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>	Eigil Friis-Christensen	DENMARK
<i>Vice-President:</i>	Kathryn Whaler	SCOTLAND
<i>Secretary-General:</i>	Bengt Hultqvist	SWEDEN
<i>Past-President:</i>	Charles Barton	AUSTRALIA
<i>Members:</i>	Mangalathayil Abdu	BRAZIL
	Daniel Baker	USA
	T. Harinayarayana	INDIA
	William Liu	CANADA
	Mioara Manda	GERMANY
	Eduard Petrovsky	CZECH REPUBLIC
	Chi Wang	CHINA

IAGA DIVISIONS

IAGA Division I – Internal Magnetic Fields

Chair:	Özden Özdemir	CANADA
Co-chair:	Jozef Brestensky	SLOVAKIA

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

Chair:	David Ivers	AUSTRALIA
Co-chair:	Jonathan Aurnou	USA

Working Group I-2: Electromagnetic Induction and Electrical Conductivity

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

Working Group I-3: Palaeomagnetism

Chair:	Harald Boehnel	MEXICO
Co-chair:	Emilio Herrero Bervera	USA

Working Group I-4: Rock Magnetism

Chair:	Ann Hirt	SWITZERLAND
Co-chairs:	Karl Fabian	NORWAY

IAGA Division II – Aeronomical Phenomena

Chair:	Alan Rodger	UK
Co-chair:	Dora Pancheva	BULGARIA

Working Group II-A: Electrodynamics of the Middle Atmosphere

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

Working Group II-C: Meteorological Effects on the Ionosphere

Chair:	Werner Singer	GERMANY
Co-chairs:	David Altadill	SPAIN
	Petra Sauli	CZECH REPUBLIC

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

Chair:	Edward Kazimirovsky	RUSSIA
Co-chair:	Charles H. Jackman	USA
	Christoph Jacobi	GERMANY

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

Chair:	Jan Lastovicka	CZECH REPUBLIC
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Co-chair: Gufran Beig INDIA

Working Group II-G Polar Research

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

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

IAGA Chair: Craig J. Rodger NEW ZEALAND
 URSI Chair: J. Lichtenberger HUNGARY

IAGA Division III – Magnetospheric Phenomena

Chair: Masaki Fujimoto JAPAN
 Co-chair: Anna Milillo ITALY

Working Group on ULF Waves in Magnetosphere

Chair: Peter J. Chi USA

Working Group III-5: Polar Research

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

IAGA Division IV – Solar Wind & Interplanetary Field

Chair: Mari Paz Miralles USA
 Co-chair: Jorge Sanchez Almeida SPAIN

IAGA Division V – Geomagnetic Observatories, Surveys & Analysis

Chair: Monika Korte GERMANY
 Co-chair: Alan W.P. Thomson UK

Working Group V-OBS: Geomagnetic Observation

Chair: Pieter Kotze SOUTH AFRICA
 Co-chair: Pavel Hejda CZECH REPUBLIC

Working Group V-DAT: Geomagnetic Data and Indices

Chair: Mita Rajaram INDIA
 Co-chairs: Renata Lukianova RUSSIA
 Luis R. Gaya-Pique FRANCE

Working Group V-MOD: Geomagnetic Field Modeling

Chair: Stefan Maus USA
 Co-chair: Christopher Finlay SWITZERLAND

IAGA Inter-divisional Commissions

Inter-divisional Commission on Developing Countries

Chair: A. Bhattacharyya INDIA
 Co-chairs: V. Doumouya IVORY COAST
 H. Takahashi BRAZIL

Inter-divisional Commission of History

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

Working Group on History of Science

Chair: Ahmed Abdel Hady EGYPT
 Co-chair: Christine Amory-Mazaudier FRANCE

Inter-divisional Working Group on Education and Outreach

Chair: Emily Cobabe-Ammann USA
 Members: Roberta Johnson
 Janet Kozyr
 Ramon Lopez
 Katina Nazarova
 Vladimir Papitashvili
 Angelo de Santis

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

Director:	Michel Menvielle	FRANCE
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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:	Jaques Zlotnicki	FRANCE
Vice-Chair:	Malcolm Johnston	USA
Secretary:	T. Nagao	JAPAN
IAGA Liaison:	Jann-Yenq Liu	TAIWAN
IAGA WG I-2:	T. Harinarayana	INDIA

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, 2007-2009

<i>President:</i>	Arthur Askew (2005-2009)	AUSTRALIA
<i>President-Elect:</i>	Gordon Young	CANADA
<i>Secretary General:</i>	Pierre Hubert	FRANCE
<i>Vice Presidents:</i>	Dan Rosbjerg	DENMARK
	Rajendra Prasad	INDIA
	Juan Carlos Bertoni	ARGENTINA
<i>Honorary President:</i>	Ivan Johnson	USA
<i>Treasurer:</i>	Chuck Onstad	USA
<i>Editor:</i>	Zbigniew 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>President-Elect:</i>	Stewart Franks	AUSTRALIA
<i>Secretary:</i>	Eva Boegh	DENMARK
<i>Vice President:</i>	Thorsten Wagener	GERMANY / USA
	Dawen Yang	CHINA
	Harald Kunstmann	GERMANY

International Commission on Continental Erosion (ICCE)

<i>President:</i>	Jim Bogen (2005-2009)	NORWAY
<i>President-Elect:</i>	Valentin Golosov	RUSSIA
<i>Secretary:</i>	Martin Thoms	AUSTRALIA
<i>Vice President:</i>	Arthur Horowitz	USA
	Xinbao Zhang	CHINA
<i>Acting Vice President:</i>	Bénina Touaibia	ALGERIA

International Commission on Groundwater (ICGW)

<i>President:</i>	Mary C. Hill (2005-2009)	USA
<i>President-Elect:</i>	Chunmiao Zheng	USA
<i>Secretary:</i>	Roger W. Lee	USA
<i>Vice President:</i>	Karel Kovar	THE NETHERLANDS
	Makoto Taniguchi	JAPAN
	Corinna Abesser	UNITED KINGDOM

International Commission on Remote Sensing (ICRS)

<i>President:</i>	Alain Pietroniro (2005-2009)	CANADA
<i>President-Elect:</i>	Ian Cluckie	UNITED KINGDOM
<i>Secretary:</i>	Yangbo Chen	CHINA
<i>Vice President:</i>	Frédérique Seyler	FRANCE
	Claude Duguay	CANADA
	Christopher Neale	USA

International Commission on Snow and Ice Hydrology (ICSIH)

<i>President:</i>	John Pomeroy (2005-2007)	CANADA
<i>Secretary:</i>	Regine Hock	SWEDEN
<i>Vice-Presidents:</i>	Alexander Gelfan	RUSSIA
	Daniel Marks	USA
	Philip Marsh	CANADA

International Commission on Surface Water (ICSW)

<i>President:</i>	Siegfried Demuth (2005-2009)	GERMANY
<i>President-Elect:</i>	Eric Servat	FRANCE
<i>Secretary:</i>	David Hannah	UNITED KINGDOM
<i>Vice President:</i>	Denis A. Hughes	SOUTH AFRICA
	Hafzullah Aksoy	TURKEY
	Hege Hisdal	NORWAY

International Commission on Tracers (ICT)

<i>President:</i>	John Gibson (2005-2009)	CANADA
<i>President-Elect:</i>	Giovanni Zuppi	ITALY
<i>Secretary:</i>	Ichiyanagi Kimei	JAPAN
<i>Vice President:</i>	Piotr Maloszewski	GERMANY / POLAND
	Jean Pierre Ometto	BRAZIL
	Yves Travi	FRANCE

International Commission on Water Quality (ICWQ)

<i>President:</i>	Bruce Webb (2004-2009)	UNITED KINGDOM
<i>President-Elect:</i>	Valentina Krysanova	GERMANY / ESTONIA
<i>Secretary:</i>	Kate Heal	UNITED KINGDOM
<i>Vice President:</i>	Berit Artheimer	SWEDEN
	U.C. Sharma	INDIA
	Lakshmanan Elango	INDIA

International Commission on Water Resources Systems (ICWRS)

<i>President:</i>	Hubert Savenije (2005-2009)	THE NETHERLANDS
<i>President-Elect:</i>	Günter Blöschl	AUSTRIA
<i>Secretary:</i>	Nick van de Giesen	THE NETHERLANDS
<i>Vice President:</i>	George Kuczera	AUSTRALIA
	Andreas Schumann	GERMANY
	Lilang Ren	CHINA

IAHS Working Groups***Prediction in Ungauged Basins (PUB)***

Chair:	Günter Blöschl	AUSTRIA
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Education

Co-Chairs:	Thorsten Wagener	USA
	Earl Bardsley	NEW ZEALAND

Hydrometeorological Projects

Co-Chairs:	Alain Pietroniro	CANADA
	Eleanor Blyth	UNITED KINGDOM

Precipitation

Chair:	Daniel Schertzer	FRANCE
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Statistics in Hydrology

Chair:	Salvatore Grimaldi	ITALY
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Panel on Hydroinformatics

	Dragan Savic	UNITED KINGDOM
	Ian Cluckie	UNITED KINGDOM
	Siegfried Demuth	GERMANY

PAST IAHS PRESIDENTS

1922-1933	E. Wade (U.K.)
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. 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 (Israel)
1995-2001	J.C. Rodda (U.K.)
2001-2005	K. Takeuchi (Japan)
2005-2009	A. Askew (Australia)

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.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 2007-2011

<i>President:</i>	Guoxiong Wu	CHINA
<i>Secretary-General:</i>	Hans Volkert	GERMANY
<i>Deputy Sec. General</i>	John Turner	UK
<i>Vice-Presidents:</i>	Anne Thompson	USA
	Maria A.F. Silva Dias	BRAZIL
<i>Past-President:</i>	Michael MacCracken	USA
<i>Members at large:</i>	Philippe Bougeault	FRANCE
	Sabina Stefan	ROMANIA
	Ernest Hugo Berbery	USA
	Vladimir Kattsov	RUSSIA
	Michael MacCracken	USA
	Tetsuzo Yasunari	JAPAN

IAMAS COMMISSIONS

Atmospheric Chemistry and Global Pollution (ICACGP)

<i>President:</i>	Maria Kanakidou	GREECE
<i>Vice President:</i>	Kimi Kawamura	JAPAN
<i>Secretary:</i>	John Burrows	GERMANY

Atmospheric Electricity (ICAE)

<i>President:</i>	Zen Kawasaki
<i>Secretary:</i>	Dahong Wang

Climate (ICCL)

www.iccl-iamas.org

<i>President:</i>	Keith Alverson	FRANCE
<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

Co-Chairs:	Colin O'Dowd	IRELAND
	Paul DeMott	USA

Dynamic Meteorology (ICDM)

<i>President:</i>	John W. Nielsen-Gammon	USA
<i>Secretary:</i>	Richard Swinbank	UNITED KINGDOM
<i>Past President:</i>	Peter Baines	AUSTRALIA

Middle Atmosphere (ICMA)

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

<i>President:</i>	Shigeo Yoden	JAPAN
<i>Secretary:</i>	Daniel Marsh	USA

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>	Tom Lachlan-Cope	UNITED KINGDOM

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>Acting Vice President:</i>	Robert Cahalan	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.C. MacCracken (U.S.A)
2007-2011	Guoxiong Wu (China)

PAST IAMAS GENERAL SECRETARIES

1919-1922	C.F. Marvin (U.S.A)
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)
1995-2007	R. List (Canada)
2007-	H. Volkert (Germany)

VII. International Association for the Physical Sciences of the Oceans (IAPSO) Association Internationale pour les Sciences Physiques des 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 2007 – 2011

<i>President:</i>	Lawrence Mysak	CANADA
<i>Past President :</i>	Shiro Imawaki	JAPAN
<i>Secretary-General:</i>	Johan Rodhe	SWEDEN
<i>Treasurer:</i>	Fred E. Camfield	USA

IAPSO EXECUTIVE COMMITTEE 2003 – 2007

<i>Vice-Presidents:</i>	Eugene G. Morozov	RUSSIA
	Denise Smythe-Wright	UNITED KINGDOM
<i>Members:</i>	Isabelle Ansoorge	SOUTH AFRICA
	Silvia Blanc	ARGENTINA
	W. John Gould	USA
	John Middleton	AUSTRALIA
	Temel Oguz	TURKEY
	Stefania Sparnocchia	ITALY

IAPSO COMMISSIONS

Mean Sea-Level & Tides

<i>Director:</i>	Philip L. Woodworth	UK
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JOINT COMMISSIONS

Tsunami Commission (Joint with IASPEI & IAVCEI)

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

IAPSO/SCOR Working Group 121 on Deep Ocean Mixing

<i>Chairperson:</i>	Robin D. Muench	USA
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SCOR/ IAPSO Working Group 122 on Mechanisms of Sediment Retention in Estuaries

<i>Chairpersons:</i>	Björn Kjerfve	USA
	Gerardo Perillo	ARGENTINA

SCOR/ IAPSO Working Group 127 on Thermodynamics and Equation of State of Seawater

<i>Chairperson:</i>	Trevor McDougall	AUSTRALIA
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SCOR/ IAPSO Working Group 129 on Deep Ocean Exchanges with the Shelf

<i>Chairperson:</i>	John Johnson	UNITED KINGDOM
<i>Vice-Chair</i>	Piers Chapman	USA

IASPEI/IAPSO/IAGA International Ocean Network (ION)

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

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

<i>Chair:</i>	David S. Chapman	USA
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SERVICES

Permanent Service for Mean Sea Level (affiliated to FAGS)

<i>Director:</i>	Philip L. Woodworth	UK
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IAPSO Standard Seawater Service

<i>Director:</i>	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)
2007-2011 L. Mysak (Canada)

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.)
1995-2007 F.E. Camfield (U.S.A.)
2007- J. Rodhe (Sweden)

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 2007 – 2011

<i>President:</i>	Wu, Zhongliang	CHINA
<i>First Vice-President:</i>	Gregory A. Houseman	UK
<i>Second Vice-President:</i>	Ian Jackson	AUSTRALIA
<i>Secretary General/Treasurer:</i>	Peter Suhadolc	ITALY

IASPEI EXECUTIVE COMMITTEE 2003 – 2007

<i>Members:</i>	Marcelo Assumpção	BRAZIL
	Ilmo T. Kukkonen	FINLAND
	Thorne Lay	USA
	Kenji Satake	JAPAN
<i>Past President:</i>	E. Robert Engdahl	USA

IASPEI COMMISSIONS 2007-2011

Commission on Tectonophysics and Crustal Structure

<i>Chair:</i>	Kevin Furlong	USA
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Task Group on World Stress Map Project

<i>Acting Chair:</i>	Oliver Heidbach	GERMANY
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Task Group on Seismic Imaging of the Lithosphere

<i>Acting Chair:</i>	Walter D. Mooney	USA
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Task Group for Active Monitoring

<i>Chair:</i>	Mineo Kumazawa	JAPAN
---------------	----------------	-------

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

<i>Chair:</i>	Mohsen Ghafory-Ashtiani	IRAN
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IASPEI/IAEE Joint Working Group on Effects of Surface Geology

<i>Chair:</i>	Hiroshi Kawase	JAPAN
---------------	----------------	-------

Working Group on Earthquake Predictability

<i>Co-Chairs:</i>	David D. Rhoades	NEW ZEALAND
	David Jackson	USA

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

<i>Chair:</i>	Fabio Romanelli	ITALY
<i>Co-Chair:</i>	Gary Gibson	AUSTRALIA

Commission on Earth Structure & Geodynamics:		
<i>Co-Chairs:</i>	Greg Houseman	UK
	Thorne Lay	USA
Working Group on Reference Earth Models		
<i>Chair:</i>	Gabi Laske	USA
Commission on Seismological Observation & Interpretation (CoSOI)		
<i>Chair:</i>	Dmitry A. Storchak	UK
Working Group on Magnitude Measurements		
<i>Chair:</i>	James W. Dewey	USA
Working Group on Reference Events from Improved Locations		
<i>Co-Chairs:</i>	Paul G. Richards	USA
	E. Robert Engdahl	USA
Working Group on Triggered and Induced Seismicity		
<i>Chair:</i>	Stanislaw Lasocki	POLAND
Working Group on Updating Manual of Seismological Observatory Practice		
<i>Chair:</i>	Peter Borman	GERMANY
Working Group on Networks and Station Codes		
<i>Chair:</i>	Avi Shapira	ISRAEL
Working Group on Historical Seismology		
<i>Co-Chairs:</i>	Paola Albini	ITALY
	Katsuhiko Ishibashi	JAPAN
Working Group on Reporting Seismic Phase Weights		
<i>Chair:</i>	Lars Ottemöller	UK
Working Group on Default Depths		
<i>Chair:</i>	Mai-claire Bolton	CANADA
Task Group on Definition of Authoritative Locations		
<i>Chair:</i>	Remy Bossu	FRANCE
Task Group on Scattering & Heterogeneity		
<i>Chair:</i>	Haruo Sato	JAPAN
Working Group on Seismological Archives		
<i>Chair:</i>	Roger W.M. Musson	UK
Commission on Earthquake Sources – Modelling and Monitoring for Prediction		
<i>Chair:</i>	Alexey Zavyalov	RUSSIA
Commission on Education & Outreach		
<i>Co-Chairs:</i>	Matthias Ohrnberger	GERMANY
	John Taber	USA
Federation of Digital Broadband Seismograph Network (FDSN)		
<i>Chair:</i>	Gerardo Suarez	MEXICO
European Seismological Commission (ESC)		
<i>President:</i>	Dominico Giardini	SWITZERLAND
<i>Secretary General:</i>	Mariano Garcia Fernandez	SPAIN
<i>Assistant Secretary:</i>	Ina Cekić	SLOVENIA
Asian Seismological Commission (ASC)		
<i>President:</i>	Zhu Chuanzhen	CHINA
<i>Secretary General:</i>	R.K. Chadha	INDIA

International Commission on Earth Sciences in Africa (ICESA)

<i>Chair:</i>	Evelyne Mbede	TANZANIA
<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>	Christoph Clauser	GERMANY
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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 Neuberg	UK
<i>Co-Chair:</i>	Hiroyuki Kumagai	JAPAN

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

<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>	Ralph A. Stephen	USA
<i>Secretary:</i>	Heinrich Villinger	GERMANY
<i>Liaison:</i>	Kiyoshi Suyehiro	JAPAN

IASPEI REPRESENTATIVES TO OTHER GROUPS**IAU/IUGG Working Group on Non-Rigid Earth Nutations:**

<i>Representative:</i>	Bruce A. Buffett	USA
------------------------	------------------	-----

ICSU Panel on World Data Centers:

<i>Representative:</i>	Timothy K. Ahern	USA
------------------------	------------------	-----

ISC Executive Committee:

<i>Representative:</i>	Oleg E. Starovoit	RUSSIA
------------------------	-------------------	--------

IUGG Committee for Mathematical Geophysics:

<i>Representative:</i>	Yehuda Ben-Zion	USA
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IUGG GeoRisk Union Commission:

<i>Representative:</i>	David Jackson	USA
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IUGG/IUGS Commission on the Lithosphere:

<i>Representative:</i>	E. Robert Engdahl	USA
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SCAR (Solid Earth Geophysical Working Group):

<i>Representative:</i>	Saurabh K. Verma	INDIA
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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.)
2007-2011 Wu Zhongliang (China)

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>	Setsuya Nakada	JAPAN
<i>Vice-Presidents:</i>	Anita Grunder	USA
	Hugo Moreno-Roa	CHILE
<i>Secretary General:</i>	Joan Marti	SPAIN
<i>Members:</i>	Piero Dellino	ITALY
	Juan Manuel Espindola	MEXICO
	James D.L. White	NEW ZEALAND
	Marta Calvache	COLOMBIA
<i>Past-President:</i>	Oded Navon	ISRAEL
<i>Editor, Bulletin of Volcanology:</i>	John Stix	CANADA
<i>Membership Secretariat:</i>	Caroline Giddings	AUSTRALIA

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

Commission on Statistics in Volcanology

Co-Leaders: Haidy Mader UK
Chuck Connor USA

Commission on Volcano-Ice Interaction

Co-Leaders: Sarah Fagents USA
Magnus Gudmundsson ICELAND

IAVCEI/IASPEI/IAPSO International Heat Flow Commission

Chair: David S. Chapman USA

IAPSO/IASPEI/IAVCEI Joint Tsunami Commission

Chair: Gerassimos Papadopoulos GREECE
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)
2007-2011	S. Nakada (Japan)

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)
1999-2007	S.R. McNutt (U.S.A.)
2007-	J. Marti (Spain)

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

ANNUAIRE 2008 YEARBOOK

The composition of the National Committees and, in consequence, the names of the officially accredited national representatives to the Union and its eight Associations are in conformity with what was communicated to the IUGG Secretariat in 2007.

La composition des Comités Nationaux et par voie de conséquence les noms des représentants nationaux officiellement accrédités auprès de l'Union et de ses huit Associations sont conformes à ce qui a été communiqué au Secrétariat de l'U.G.G.I. en 2007.

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:	I. SHINKO	IAGA:	S. BUSHATI B. DUKA	IAHS:	A. SELENICA
IAMAS:	M. SANXHAKU V. MUSTAQI	IAPSO:		IASPEI:	B. MUCO E. DUSHI
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: S. BLANC

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	F. M. GALBÁN	IAGA:	A. M. SINITO	IAHS:	V. POCHAT
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
Davidashen 4 massiv
P.O. 354054
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. BOJNAGRAN
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 6201 9494

www.science.org.au

NATIONAL COMMITTEE

National Relations Officer: J. MILL

International Programs Contact: J. MILL

NATIONAL CORRESPONDENTS OF THE ASSOCIATIONS

IAG:	P. TREGONING	IAGA:	I. CAIRNS	IAHS:	S.W. FRANKS
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
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Please note.

In compliance with the EU General Data Protection Regulation, the address data on pages 62-131 have been removed from the digital edition of the IUGG Yearbook 2008.

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 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
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