

Report of the Secretary General

XXIIIrd IUGG General Assembly, Japan, July, 2003

by
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The Secretary General of the International Association of Geodesy is pleased to submit to the XXIIIth General Assembly his report on the activities of the Association for the period between the XXIIth and the XXIIIth General Assemblies.

In accordance with the Statutes and By-Laws, the Secretary General reports on the administrative and financial affairs, the President reporting on the scientific work of the Association.

I Administrative activities of the Association

During the past period the main administrative activities were:

- (i) meetings of the Bureau and Executive Committee where decisions were taken on future actions of the Association
- (ii) publication of scientific and administrative information.

I.1 Meeting of the Executive Committee

During this period the Executive Committee met seven times:

- in Birmingham, UK, during the XXII General Assembly
- in Como, Italy, November 1999
- in Nice, France, April 2000 and April 2001
- in Budapest, Hungary during the Scientific Assembly, September 2001
- in Nice, France, April 2002 and April 2003.

All those meetings were prepared by meetings of the Bureau. The detailed reports of these meetings were published in the IAG Newsletter which is published in the Journal of Geodesy and on the IAG home-page. A large parts of those meetings were devoted to the preparation of the Scientific Assembly in Budapest, the new IAG Structure and of the present General Assembly.

I.2 Publications

I.2.1. **Journal of Geodesy** - This is the official journal of the IAG which has been published since 1991 January 1st by Springer Verlag. The Editor-in-Chief, Prof.

P.Teunissen, will deliver a report on the Journal at the General Assembly.

The Journal of Geodesy also includes the IAG Newsletter in generally each issue. This Newsletter is edited by Dr Ole B. Andersen, IAG Assistant Secretary and contain information about IAG activities, symposia announcements and reviews, book reviews, bibliography. The content of the newsletter is also found on the Internet as a part of the IAG Home-page (I.3). The Journal is distributed free of charge to the members of the Executive Committee, the National representatives and to a few selected libraries.

I.2.2. **Geodesist's Handbook** - The Handbook reporting on the last general assembly and the structure of IAG was edited by the Assistant Secretary General in the spring of 2000. Due to his effort the handbook was created on digital form, so that it could be made available immediately after its publication through the IAG Home-Page. It has been corrected and maintained during the period 1999-03 by the Central Bureau. Especially the maintenance of the address list has been a major task. The next Geodesist's Handbook will be published by Springer Verlag in 2004 in place of one regular issue of the Journal of Geodesy. This publication is now well appreciated by geodesists and non-geodesists, and the Bureau will try to make it available early after the General Assembly. Dr Ole Andersen will also act as the editor of this forthcoming issue.

I.2.3. **Travaux de l'Association Internationale de Géodésie** - Two volumes of the Travaux have been published by the Central Bureau of IAG. They contain the bi-annual and quadrennial reports concerning the activities of Sections, Commissions, Special Study Groups, Bureaus, and other Permanent Services, with the relevant bibliography. Dr Ole Andersen has been the editor of these two issues which have been distributed on a CD-ROM free of charge at the Scientific Assembly and at this General Assembly.

I.2.4. **Publication of Symposia Proceedings** - The IAG Symposia Proceedings are published in a special series by Springer Verlag, having the association president as the editor. This procedure has been used for the publication of several Symposia (Proceedings no. 115 to 120). The following have been published since Birmingham:

Volume 121: Schwarz, K.-P. (Ed.) Geodesy Beyond 2000: The Challenges of the First Decade

Volume. 122: Benciolini, Battista, (Ed.) IV Hotine-Marussi Symposium on Mathematical Geodesy

Volume. 123: Sideris, Michael G., (Ed.) Gravity, Geoid and Geodynamics 2000

Volume. 124: Drewes, Hermann; Dodson, Alan H.; Fortes, Luiz P.S.; Sanchez, Laura; Sandoval, Pedro, (Eds.) Vertical Reference Systems

Volume. 125: Adam, Jozsef; Schwarz, Klaus-Peter, (Eds.) Vistas for Geodesy in the New Millennium

All proceedings are listed at:

<http://www.springer.de/geosci/geophys/geo/geophys.html#ag>

For the other Symposia and Workshops which are only sponsored by IAG or which are organised by IAG bodies (such as meetings of commissions or SSG) the organisers are free to choose their own publishing agency. They are however requested to have the proceedings published early after the Symposium and to inform the Central Bureau.

I.3 IAG Information System

The IAG Information System is a web-based system maintained by the Central Bureau since 1995 (<http://www.gfy.ku.dk/~iag/>). This system includes information on various topics of potential interest which are partly identical to sections of the Geodesist's Handbook: directory of addresses which was permanently updated and includes more than 2400 items: geodetic data centers, educational institutions, symposia related to Geodesy, bibliography, IAG and IUGG links to other geodetic home-pages

I.4 Scientific meetings

I.4.1. Symposia and Workshop - The list of meetings sponsored by IAG is given in Appendix A. One can note the large variety of topics treated and the effort towards a good geographical distribution. It is necessary to receive from the organisers information in due time on announcement, report and publication of proceedings. This information is redistributed as soon as possible by the Central Bureau through the IAG Newsletter and announced on the home-page.

I.4.2. Scientific Meeting - was held in Budapest, September 2001. It was the fifth General Meeting of IAG

after the first one in Tokyo, May 1982. As the previous ones, this meeting was a real success (much due to the effort of Dr. Adam and co-workers) with a very active participation of geodesists from all continents. Proceedings are published as Volume 125 of the proceeding series (see I.2.4.)

II Finance

The financial report for the period 1999-2002 is presented in Appendix B. The following comments may be added:

II.1 Receipts

The receipts were stable from subvention point of view. The incomes from sales of publications did considerably decrease. The "head charge" per participant, (at both the Birmingham and the Budapest meetings), is an important new source of income. Furthermore IAG has been successful in obtaining grants from IUGG.

II.2 Expenditures

The expenditures were close to what was predicted with some minor differences. A significant increase of travel supports for scientists (young and from developing countries) was possible due to the extra income from the "head charge" and from the IAG Fund.

II.3 IAG Funds

The IAG Fund is now well established through voluntary contributions from IAG affiliates and fellows. The fund is primarily used to provide travel grants for young scientists and scientists from developing countries.

II.4 Bomford Prize

Dr. Ramon Hanssen was declared the winner of the Bomford Prize 2003 by the IAG Bureau, on the recommendation of a review committee consisting primarily of the Presidents of Section. A cheque of 2000 US \$ will be presented to him during this session.

III Educational Activities.

Several schools have been successfully organised, with participation from many countries:

- XIII International Course on Engineering Surveying, Munchen, Germany, 13 - 17 March, 2000.
- The 3.rd School on the Determination and use of the Geoid organised by the International Geoid Service was held in Milano, Feb. 15-19 1999.

- The 4.th School on the Determination and use of the Geoid, organised by the International Geoid Service was held in Malaysia, 21-25 Feb. 2000
- The 5.th School was organised by the International Geoid Service in collaboration with the University of Thessaloniki from August 30 to Sep. 5, 2002.
- Joint BGI/ICET Summer School 2002 on Terrestrial gravity data acquisition techniques, Louvain-la-Neuve, Belgium, Sept. 4 - 1, 2002.
- International Workshop on Satellite Altimetry for Geodesy, Geophysics and Oceanography, September 8-13, 2002, Wuhan, China.
- Workshop on vertical crustal motion and sea-level change. Toulouse, France, Sept. 17-19, 2002. (Organized jointly with IAPSO, and sponsored by IUGG).

An Educational Working Group was established at the EC meeting in November, 2000 aiming at preparing the foundation for further coordinated educational activities. A report was delivered, but no action taken.

IV Conclusion and Outlook.

As a part of the New Structure a “Communication and Outreach Branch” will be organised. The EC has decided to locate the Branch in Budapest, and have nominated J.Adam as the president of the Branch. It will take over many of the present activities of the Central Bureau such as the maintenance of the home-page, and the preparation of the newsletter. It also has the tasks of promoting IAG and of recruiting individual members. The Central Bureau will still handle all financial issues, such as the collection of the membership fee.

Much assistance has been obtained from the Department of Geophysics, University of Copenhagen. Especially thanks are due to the Department Secretary, Mrs. C. S. Petersen, who also has functioned as the secretary of the Association.

Appendix A

Sponsored meetings and symposia.

2000.

International Workshop on Perspectives of Geodesy in South-East Europe Dubrovnic, Croatia, May 2-6.
South American Geoid 2000 workshop, Sao Paulo, May 17 - 19.

EUREF Symposium, Tromsø, Norway, June 22 - 24.

Int. Symp. on Gravity, Geoid and Geodynamics 2000, Banff, Canada, 31 Jul - 4 Aug

14th International Symposium on Earth Tides
Mizusawa, Japan, 28 Aug - 1. Sep

10th General Assembly of the Wegener Project San Fernando, Spain, 18 - 22 Sep.

Dynamic evolution of Active Faulting in the Mediterranean Region, Algiers, 9-11 Oct

2001.

3rd Int. Workshop on Mobile Mapping Technology, Cairo Egypt, Jan. 3-5.

Int. Winter Seminar on Geodynamics, Sopron, Hungary, Feb., 19-21.

Int. Symposium on Vertical Reference Systems. Cartagena, Columbia, Feb. 20-23.

1. Int. Symposium on Robust Statistics and Fuzzy Techniques in Geodesy and GIS, Zurich, Switzerland, March 12-16.

IAG/IAPSO Joint Working Group on Geodetic Effects of Nontidal Oceanic Processes, March 29.

6. Int. Seminar on GPS in Central Europe, Pecs, Hungary, 2-4 May.

11th Symposium of the EUREF Subcommittee, Dubrovnik, May 16-19.

Int. Symposium On Kinematic Systems in Geodesy, Geomatics and Navigation, Banff, Canada June 5-8.

Int. Symposium on Recent Crustal Movements, Helsinki. Finland, Aug. 27-31, 2001.

IAG Scientific Assembly, Budapest, Hungary, Sept. 2-8.

Optical 3D measurement techniques, Vienna, Austria, Oct. 1-3.

IAG/IAPSO Symposium, "Gravity, geodesy and the ocean circulation as inferred from altimetry", Mar de la Plata, Argentina, 21-28 Oct.

2002

Int. Congress on Geodesy and Cartography, Caracas Venezuela, March 18-22, 2002.

Second Symposium on Geodesy for Geotechnical and Structural Engineering, Berlin, Germany, May 21-24,

2002 EUREF Symposium, Ponta Delgada, Azores Island, Portugal, June 5-8, 2002.

V Hotine-Marussi Symposium, Matera, Italy, June 10-14, 2002.

Eleventh General Assembly of the Wegner Project, Athens, Greece, June 12-14, 2002.

International Workshop on Satellite Altimetry for Geodesy, Geophysics and Oceanography, September 8-13, 2002, Wuhan, China.

3rd. Meeting of the International Gravity and Geoid Commission, Thessaloniki, Greece, Aug. 26-30, 2002.

Celebrating 50 Years of Geodetic Science at Ohio State University 1-5 October 2002, Ohio, USA

IAG International Symposium On Recent Crustal Deformations In South America And Surrounding Areas, and VII International Congress of Earth Sciences 2002 October 21 - 25 , 2002 Santiago, Chile

2003.

2003 EUREF Symposium , Toledo, Spain, June 3-6, 2003

(3.2) Other meetings.

Conference on technical aspects of maritime boundary delineations and delimitation including UNCLOS articles 76 (ABLOS), Sept. 9-10, 1999, Monaco.
GPS 99, 18-22 Oct. 1999 in Tsukuba, Japan.

Appendix B:

Financial report for 1999-2002					
Expenditures				Receipts	
11	Administration:	30.763,31	15	IUGG Allocation	103.931,70
11.2	Quaters	4.888,13	3	Other Grants	18.595,96
11.4	Communication	3906,00	5	Sale of Publications	80,76
11.5	Travel	24.924,33	6	Miscellaneous receipts:	22.440,64
11.6	Miscellaneous	5.094,96	6.1	Gains on exchange	184,91
11.7	Depreciation of Equipment	1.488,83	6.2	Interest	2.328,49
12.5	Purchase of Birmingham Proceedings	9.367,70	6.3	Others	11.890,59
12.6	Purchase of Rio proceedings	11.243,01	6.6	Rio fees and Rio Proceedings	7.552,50
13.1	Organization	28.500,00	6.7	Payments for EGG-97 CD	8.997,69
14	Symposia & Scientific meetings:	1.241,30	6.8	Sale of IGeS Lecture Notes and CD	988,98
14.1	Symposia & Scientific meetings: organi	36.165,58	6.11	Sale of Birmingham Proceedings	8.084,19
14.2	Symposia & Scientific meetings: travel	29.966,08	6.12	Receipt of IAG Fund	3.837,54
16	Grants (Permanent Services, etc.)	45.000,00	7	Total receipts	188.913,95
16.1	Bomford prize	2.108,67			
16.2	Best Paper Award	2.054,33			
18.2	Bank charges	1.870,28			
18.3	Loss on exchange	9.357,48			
18.4	Outlay Department of Geophysics	274,66			
18.5	Expenses IAG Fund	3.522,20			
18.6	PBS International (fee)	923,38			
19	Total Expenditures	252.660,23			
				Deficit	63.746,28
	Total	252.660,23		Total	252.660,23

Balance 2002 in USD					
Assets				Liabilities	
20	Bank 31.12.2002	30.360,59		Net Capital	30.360,59
22	Total	30.360,59	10	Total	30.360,59

Net Capital 2002 in USD					
				Open 1.1.1999	94.106,87
	Balance 31.12.2002	30.360,59		Deficit 31.12.2002	-63.746,28
		30.360,59			30.360,59

Appendix C:

Budget for the period				2003 - .2006	
Expenditures				Receipts	
11	Administration:	100.000,00	15	IUGG Allocation	120.000,00
12	Publications	1.000,00	3	Other Grants	10.000,00
13	Organization	3.000,00	5	Sale of Publications	1.000,00
14	Symposia & Scientific meetings:	40.000,00	6	Miscellaneous receipts:	35.000,00
			6.11	Membership fees	30.000,00
16	Grants (Permanent Services, etc.)	31.000,00	6.12	Receipt of IAG Fund	7.000,00
18	Miscellaneous	12.000,00	7	Total receipts	203.000,00
19	Total Expenditures	187.000,00		Surplus	-16.000,00
	Total	187.000,00		Total	187.000,00

Balance 2006					
Assets			Liabilities		
20	Bank 31.12.2006	56.000,00		Net Capital	56.000,00
22	Total	56.000,00		Total	56.000,00

Net Capital 2006					
				Open 1.1.2003	30.000,00
	Balance 31.12.2006	56.000,00		Surplus 31.13.2006	<u>26.000,00</u>
		56.000,00			56.000,00