

Table 1 - Sponsoring and/or co-sponsoring of IMA Commission and Working Groups during Meetings. List of sessions for Edinburgh (2002), Nice (2003) and Florence (2004) Congress are reported in tables 2, 3 and 4, respectively

Commission or Working Group	1998	1999	2000	2001	2002	2003	2004
Com. on Applied Mineralogy			1) IGC, Rio-de Janeiro. Session on "Applied Mineralogy: Ceramics and Gem Materials"; 2) ICAM, Göttingen, 16-22 July- Co-sponsoring of the meeting.		1) IMA 18th Meeting, Edinburgh: co-sponsoring (with CGM) of two sessions 13 and 33	2nd International Applied Mineralogy Symposium, "Applied Mineralogy'03", Helsinki Finland, 17-18 March	1) ICAM Meeting in Aguas de Lindoia, Brazil, 19-22, 2004. 2) 32nd IGC, 20-28 August, Florence (T21.2)
Com. on Classification of Minerals		Werner Symposium, Freiberg, 19-24 September - Talk by the chairman	1) Co-sponsoring of microsymbosia during European Crystallography Meeting (ECM-19), Nancy 2) Mineralogy and Museum Meeting, Melbourne: co-sponsoring with CNMMN on classification of minerals	Co-sponsoring of microsymbosia during European Crystallography Meeting (ECM-20), Krakov			32nd IGC, 20-28 August, Florence (G15.3)
Com. on Crystal Growth of Minerals → Com. on Mineral Growth and Interface Processes	IMA 17th Congress, Toronto: sponsoring session 13: "Crystal morphology, zoning and growth; co-sponsoring session 17 "Mineral synthesis" and 14 "Mineral surface studies"		31st IGC, Rio-de Janeiro. Session on "Surfaces of Minerals"			EGS-AGU-EUG Meeting ; sponsoring a session (VGP3.16)	32nd IGC, 20-28 August, Florence (G15.1 and 5)
Com. on Gem Materials	17th IMA G. Meeting, Toronto: Co-sponsoring 2 sessions: 1) Diamonds and Gemstones; 2) Organic Gemstones and biomineralisation	Attendance at the International Gemmological Conference, Goa, India, 30th Sept.	1) 31st IGC, Rio-de Janeiro: Co-sponsoring of a session on the Geology of Gemstones deposits. 2) 4th International Mineralogy and Museums Meeting, Melbourne, 4th Dec. - Co-sponsoring of the Ralph Segnit Memorial Symposium on Gems.	Attendance at the International Gemmological Conference, Madrid, Spain, 11th Oct.	1) IMA 18th Meeting, Edinburgh: co-sponsoring (with CAM) a session (13) 2) IAGOD Meeting, Namibia, August 2002 : co-sponsoring a symposium on cathodoluminescence.		32nd IGC, 20-28 August, Florence (G15.10)
Com. on New Minerals and Mineral Names	17th IMA G. Meeting, Toronto: Sponsoring a session on the mineralogy of alkaline rocks		1) 31st IGC, Rio-de Janeiro: sponsoring a symposium on "New minerals: their impact on the mineralogical sciences" 2) 4th International Mineralogy and Museums Meeting, Melbourne, 4th Dec.		IMA 18th Meeting, Edinburgh: session 12		32nd IGC, 20-28 August, Florence
Com. on Ore Mineralogy		SGA/IAGOD International Congress "Mineral deposits: Processes to Processing", 22-25 August: co-sponsor of a meeting	Mini-Symposium in relation with a short course in Espoo, Finland (11-18 June)		IMA 18th Meeting, Edinburgh: sessions 4, 5, 30	EGS-AGU-EUG Joint Assembly, Nice (2-6 April); session VGP3.17	32nd IGC, 20-28 August, Florence (G14-5, 6, 7)

Commission or Working Group	1998	1999	2000	2001	2002	2003	2004
Com. on Physics of Minerals						1) EGS-AGU-EUG Joint Assembly, Nice (2-6 April); sessions VGP3.13, 3.22, 23; 2) Kurashiki - Goldschmidt Conference: 4 sessions proposed on 1) structure and properties of silicate melts; 2) Core-mantle interaction; 3) Mantle differentiation in a deep, global magma ocean; 4) Physics and Chemistry of minerals	32nd IGC, 20-28 August, Florence (G15.6, G15.7, G15.8, G15.9)
Com. on History and Teaching			Participation to EMU Schools and Symposia "Environmental Mineralogy"	Participation to EMU Schools and Symposia "Solid solutions in silicate and oxide systems of geological importance"	1) 1) IMA 18th Meeting, Edinburgh, sessions 10, 11; 2) Participation to EMU Schools and Symposia "Energy Modelling in Minerals"	TERMINATED	TERMINATED
Com. on Museums							32nd IGC, 20-28 August, Florence (T17.2)
WG. on Cosmic Mineralogy → WG on Astromineralogy					IMA 18th Meeting, Edinburgh:		
WG. on Database and Computer Applications							
WG. on Mineral Equilibria	17th IMA G. Meeting, Toronto: Sponsoring a session on Mineral equilibria in Metamorphic systems		31st IGC, Rio-de Janeiro: sponsoring a symposium on "Mineral Equilibria in Mantle derived rocks"		IMA 18th Meeting, Edinburgh: sessions 24, 26		32nd IGC, 20-28 August, Florence (G15.2 T34.1)
WG. on Mineral Inclusions		SGA/IAGOD International Congress "Mineral deposits: Processes to Processing", 22-25 August: Co-sponsoring of a session with COFFI of IAGOD.	1) 31st IGC, Rio-de Janeiro: sponsoring a symposium on "Modern Microbeam techniques applied to fluid and solid species" 2) Co-sponsoring with The Chinese Society of Mineralogy of conference entitled: Chinese Fluid Inclusions and geological Fluid Conference, October 19-20, Wuhan, China	Participation in 16th biennial conference on "Current Research on Fluid Inclusions" - ECROFI XVI, Oporto, Portugal, 2-4 May	1) IMA 18th Meeting, Edinburgh: sponsoring session 22? 2) Meeting on Inclusions in Minerals and Geofluids, October, Nanjing University	1) International Conference on thermobarogeochemistry in the suburban of Moscow, Russia. 2) European Current research on Inclusions in Minerals, Budapest, 4-9 June. Co-sponsoring of the meeting	32nd IGC, 20-28 August, Florence
WG. on Organic Minerals					IMA 18th Meeting, Edinburgh: sponsoring session 17:	Symposium "Amber in Gdansk, archaeology and craftsmanship, August 23-25	32nd IGC, 20-28 August, Florence (G15.9)

Table 2 - List of sessions sponsored by IMA Commissions and Working Groups during the Edinburgh General meeting (September 2002)

Commissions/Working groups	Session	Title
Com. on Applied Mineralogy	13	Gem materials
	33	Applied mineralogy
Com. on Classification of Minerals		
Com. on Crystal Growth of Minerals → Com. on Mineral Growth and Interface Processes		
Com. on Gem Materials	13	Gem materials
Com. on New Minerals and Mineral Names	12	New Minerals, systematics and names
Com. on Ore Mineralogy	4	Mineral crystal chemistry and phase transformations: experiment and computation
	5	Mineral surfaces and interfaces
	30	Ore mineralogy (in honor and memory of Alan Criddle)
Com. on Physics of Minerals		
Com. on History and Teaching	10	Mineral heritage
	11	Teaching of Mineral Sciences in the 21st Century
Com. on Museums	10	Mineral heritage
	11	Teaching of Mineral Sciences in the 21st Century
	12	New Minerals, systematics and names
WG. on Cosmic Mineralogy → WG on Astromineralogy		
WG. on Database and Computer Applications → Committee		
WG. on Mineral Equilibria	26	Mineral equilibria and thermodynamic modelling of crustal and mantle rocks
WG. on Mineral Inclusions	22?	Fluid and solid inclusions in minerals
WG. on Organic Minerals	17	Biomineralization and organic minerals

Table 3 - List of sessions sponsored by IMA and EMU during the Nice EGS-AGU-EUG First Joint Assembly (7-11 April 2003)

N°	Title	Convenor	Co-convenor	Co-sponsor
VGP3.13	Natural glasses, amorphous material and nuclear waste	Daniel Neuville	1. Ian Farman 2. E. Salje	EMU-IMA/CPM-ERE?
VGP3.14	Open session on physics and chemistry of minerals	David Vaughan	Herta Effenberger	EMU-IMA-ERE?
	Environmental mineralogy, including the molecular perspective	George Calas	Roy Wogelius	EMU-IMA
VGP3.16	Mechanisms of mineral reaction and isotopic exchange	Alain Baronnet	1. Andrew Putnis 2. O'Neil	EMU-IMA/CMGIP
VGP3.17	Gold and Platinum-group Minerals: from experimental mineralogy and microanalysis to deposit modelling	Kari Kojonen	1. Roland Merkle 2. Nigel Cook 3. Chris Stanley	EMU-IMA/COM
VGP3.22	Anelasticity of minerals and rocks: from dislocations and pore fluids to planetary scale	Nicolai Bagdassarov	Yves Gueguen	EMU-IMA/CPM
VGP3.23	Physical properties of lower mantle and core forming phases	James Badro	1. Daniel Farber 2. Guillaume Fiquet	EMU-IMA /CPM-GD

For additional information, please have a look at the Website:

<http://www.copernicus.org/EGS/egsga/nice03/programme/overview.htm>

Table 4 - List of sessions sponsored by IMA through Commissions (COM) and Working groups (WG) during the Florence 32th International Geological Congress (20-28 August 2004), Italy.

	N°	Title	Convenor	Co-convenor	Com/WG
1	G15.1	Reacting surfaces and interfaces of Minerals	A. Baronnet	D. Aquilano	IMA/CMGIP
2	G15.2	Mineral thermodynamics, mineral equilibria, and PT-paths	L.L. Perchuk	D. D. van Reenen	IMA/WGME
3	G15.3	Crystal structure of minerals: topology and classification	D. Pushcharovsky	E. Tillmanns	IMA/CCM
4	G15.4	Microstructures, modularity, modulations in minerals	G. Ferraris	K. Livi	IMA
5	G15.5	Mineral engineering: from nature's lab to technologic applications	M. Mellini	R. Gieré	IMA/CMGIP
6	G15.6	Physics of minerals: mineral spectroscopy	G. Amthauer	G.Redhammer	IMA /CMP
7	G15.7	High pressure mineralogy	E. Ohtani	M.W. Schmidt P. F. Zanazzi	IMA /CMP
8	G15.8	Natural zeolites: structure, properties and applications	T. Armbruster	A. Alberti	IMA /CMP
9	G15.9	Biomineralogy and organic minerals	N. Vavra	F. Guyot	IMA/ CMP - WGOM
10	G15.10	Gem materials	M. Superchi	L. Sutherland	IMA/CGM
11		Mineral Inclusion	Li Zaolin		IMA/WGMI
12	T17.2	Institutions, museums and scientific societies in the history of Geosciences	N. Morello	D.R. Oldroyd	IMA /CM
13	T21.2	Fibrous structure and health effects: asbestos from an occupational to an environmental hazard	B. Fubini	G.D. Guthrie	IMA
14	T34.1	Ultrahigh pressure metamorphism: Minerals and microstructures	M. Enami	H.W. Green II H. L. M. Van Roermund	IMA/WGME
15	T34.4	Fluid-rock interaction	J. Touret	M.L. Frezzotti P. Philippot	IMA
16	G-01-3	Mineralogical properties of Earth's mantle	S. K. Saxena	J. Ganguly	IMA
17	G03.5	Contribution of mineralogy and geochemistry to understanding pollutants behavior	P. F. M. van Gaans	P. Piantone	IMA
18	G14. 9	Mineralizations associated with mafic ultramafic igneous rocks	A. Naldrett	M.Lesher	IMA
19	G14.5	Gold deposits *	N. J. Cook	K. K. Kojonen, K. Sundblad	IMA /COM
20	G14.6	Conventional and unconventional platinum mineralizations	R. K. W. Merkle	G. Garuti, K. K. Kojonen	IMA /COM
21	G14.7	Telluride and selenide minerals related to gold and platinum group element deposits	C. L. Ciobanu	W. Paar, C. Stanley	IMA /COM

* Co-sponsored by IAGOD

T17: History of Geosciences

T21: Medical geology

T34: Ultrahigh pressure metamorphism (UHPM): from the nano scale to the plate tectonics scale

G01: Earth Interior

G03: Environmental geology

G14: Mineral deposits

G15: Mineralogy

Table 5 - Short courses, Workshops and Field excursions organized by IMA Commissions and Working Groups

Commission or Working Group	1998	1999	2000	2001	2002	2003	2004	Other projects
Com. on Applied Mineralogy		Short Courses, University of Sao Paulo [24 participants]	Short Courses, University of Sao Paulo [28 participants]	Short Courses, University of Sao Paulo [29 participants]	Short Courses, University of Sao Paulo [11 participants]			
Com. on Classification of Minerals								
Com. on Crystal Growth of Minerals → Com. on Mineral Growth and Interface Processes								Summer school in the Baltic area
Com. on Gem Materials								
Com. on New Minerals and Mineral Names								
Com. on Ore Mineralogy	Short course on "Modern approaches to ore and environmental mineralogy", CANMET and GSC (3-7 August) and Univ. of Guelph (8 August). Field excursion on Kimberlites, clay deposit, chrome mine	Short course on "Modern approaches to ore and environmental mineralogy", Pretoria, South Africa, 13-16 September; in association with MINSNA and CGS 'South African Council for Geosciences'	Short course on "Modern approaches to ore and environmental mineralogy", Sear Park congress hotel, Espoo, Finland, 11-18 June; coll.with GSF; Geological excursions (gold and iron mines); a one day workshop on PGM			Five-day excursion prior to the EGS-AGU-EUG meeting 2-6 April, in Italy	Short course: Granada, Spain; organizers: Miner. Soc. of Spain and Italy	
Com. on Physics of Minerals								
Com. on History and Teaching						TERMINATED	TERMINATED	TERMINATED
Com. on Museums								
WG. on Cosmic Mineralogy → WG on Astromineralogy								
WG. on Database and Computer Applications → Committee								
WG. on Mineral Equilibria								
WG. on Mineral Inclusions					1) Participation to a workshop on "Melt inclusions: Techniques and Applications, Italy, June. 2) Seminars, Zhongshan and Guangzhou Univ., 29 May - 5 June		Short Course during the 2004 IGC	Workshop on Raman Spectrometry of Fluid Inclusions
WG. on Organic Minerals					Workshop on Organic minerals, Vienna, May; exhibitions on ambers in Hungary and Austria			

Table 6 - Business Meetings held between General Meetings in Toronto (1998) and Edinburgh (2002) by IMA Commissions and Working Groups

Commission or Working Group	1999	2000	2001
Com. on Applied Mineralogy		ICAM - Göttingen, 17-19 July	
Com. on Classification of Minerals		4th International Mineralogy and Museums Conference, Melbourne. Joint meeting with CNMMN to define mineralogical groups on the 5th of December.	
Com. on Crystal Growth of Minerals → Com. on Mineral Growth and Interface Processes			
Com. on Gem Materials	Informal Meeting, Goa, India, 30th September		Informal Meeting, Madrid, 11th October
Com. on New Minerals and Mineral Names		4th International Mineralogy and Museums Conference, Melbourne. Joint meeting with CCM to define mineralogical groups on the 5th of December.	
Com. on Ore Mineralogy		Sea park Hotel, Espoo, Finland, June 13th	
Com. on Physics of Minerals			
Com. on History and Teaching			
Com. on Museums			
WG. on Cosmic Mineralogy → WG on Astromineralogy			Meeting of Officers: March 2001 in Houston; September 2001 in Rome
WG. on Database and Computer Applications → Committee			
WG. on Mineral Equilibria			
WG. on Mineral Inclusions	SGA/IAGOD International Congress "Mineral deposits: Processes to Processing", 22-25 August.	31st IGC, Rio-de Janeiro	Informal meeting in Oporto, Portugal (ECROFI XVI)
WG. on Organic Minerals			

Table 7 - Publications and other outputs provided by IMA Commissions and Working Groups

Commission or Working Group	Publications	Other outputs - Projects
Com. on Applied Mineralogy	ICAM - Göttingen, 17-19 July: "Applied Mineralogy in Research, Economy, Technology, Ecology, and Culture" (Balkema Ed.)	
Com. on Classification of Minerals	1) Bokii: "Classification of natural oxides", Advances in Science and Technics, 32, Moscow, 2000. 2) Strunz and Nickel: "Mineralogical Tables"; E. Schweizerbart'sche Verlagsbuchhandlung (Nagele u. Obermiller), Stuttgart, 870p., 2001. 3) J. Lima-de-Faria: "Classification of minerals", Kluwer Academic Press, 11, Dordrecht, 2001	Database of A. Hoelzel Database of GeoGide
Com. on Crystal Growth of Minerals → Com. on Mineral Growth and Interface Processes		
Com. on Gem Materials	1) The Australian Gemmologist, 21, extended abstracts of the IGC Rio 2000. 2) The Australian Gemmologist, 21, synopsis of papers from the 4th Inter. Miner and Museums Meeting, Melbourne, 2000.	Projects: Atlas; Raman database (1400 spectra of 800 Gems); Glossary in four languages; Nomenclature of Gems (project started 15 years ago)
Com. on New Minerals and Mineral Names	1) Guidelines on mineral nomenclature: Can. Min, 1998, 36, 913-926; Booklet (R. Martin): The nomenclature of minerals; a compilation of IMA reports. 2) Approval of 293 new minerals - publication in various mineralogical journals 3) Revision of nomenclature for important groups of minerals (amphiboles, micas, zeolites), and on labuntsovite and eudialyte. For micas (see Can Min. 36, 905-912), Min. Mag (63,267-279). Others: Can Min., 39; EJM. 13, 995-1002; Min.Pet., 72, 353-362.	1) A manuscript by Jeffrey de Fourestier on the history of CNMMN. 2) Commission's procedure and guidelines: Can. Min. 1998 (38, 913-926). Project: List of unnamed minerals; 3) Special booklet " The nomenclature of minerals: a compilation of IMA Reports" 4) Project of a manuscript on the history of CNMMN.
Com. on Ore Mineralogy	1) Mineralogical Assoc. of Canada's Short course series (421 p). "Modern approaches to ore and environmental mineralogy", Vol. 27 2) Extended abstract for mini-symposia held with a Short Course in Pretoria, 1999; in Espoo, 2000.	1) IMA-COM directory of Ore Mineralogists 2) Project: Database of digital images of ore minerals 3) Project: Report on sulphosalts to be published very soon.
Com. on Physics of Minerals		
Com. on History and Teaching		1) Special issue of the Journal of Geoscience Education in 2003 on "teaching Mineral sciences in the 21th Century" 2) Project: History of IMA
Com. on Museums		
WG. on Cosmic Mineralogy → WG on Astromineralogy		
WG. on Database and Computer Applications → Committee	IMA catalogue of software	1) Past-project: International Directory of Mineralogical Institutions (exclusive of Europe); 2) New Project of online database of mineralogists
WG. on Mineral Equilibria	1) Special issue of "Mineralogy and Petrology", 2000, 69,1 "Mineral equilibria in metamorphic systems" 2) Special issue of Lithos 2001 (symposium from the Rio-de Janeiro Congress) "Mineral equilibria in mantle derived rocks"	
WG. on Mineral Inclusions	1) Extended abstracts in the book "Mineral Deposits: Processes to processing, Balkema Ed. 2) Special issue of Lithos, in honor of J. Touret (2001; 55) 3) Special Issue of Acta Petrologica Sinica (42 contributions)	Project: Establishment of an Asian Current Research on Inclusions in Minerals. IMA short course in 2003
WG. on Organic Minerals		Projects: 1) List of names of Organic Minerals; 2) Creation of a special journal on amber studies

Table 8 - Communication policy of IMA Commissions and Working Groups

Commission or Working Group	WEBSITE : state of the art and projects	Link with other scientific groups	Internal organization
Com. on Applied Mineralogy	Project: Home page under Construction which will be reported within < http://www.appliedmineralogy.org >	Close collaboration with ICAM Link with GEM	
Com. on Classification of Minerals	Home-page on the classification of Minerals at IMA Website; list of Mineralogical group, elaborated by Mandarino, Nickel, ICCD provided by McDonald.	link with CNMMN to establish "mineral group"	Internal communication via monthly circulars Other information through publications, circulars on symposium, database (Hoetzel, GEO GIDE)
Com. on Crystal Growth of Minerals → Com. on Mineral Growth and Interface Processes	Project: Yahoo discussion group under elaboration to report activities.	Participation to a Special Interest Group (SIG) on Mineralogical Crystallography, created in May 1999 in the frame of the Eur. Crystallographic Assoc.	
Com. on Gem Materials	A site interesting Gem Material members on spectra of minerals is available from George Rossman at the following address: < http://minerals.gps.caltech.edu/ >	link with the WG on Inclusions in Minerals, and with CAM	
Com. on New Minerals and Mineral Names	CNMMN Website recently modified (18 September 2002). The site notably contains the "IMA list of mineral approved, discredited and redefined by the CNMMN", prepared in coll. with Aleph Enterprises of Livermore. The site is maintained by Ernst Burke < www.geo.vu.nl/users/oma-cnmmn >. The IMA site reports News and results of CNMMN with the "IMA list of CNMMN decisions". Electronic system with PDF files to vote on new mineral proposals with the use of a password (test done in October 2002).	Link with CCM: A CCM member could be ex officio member of any nomenclature subcommittee. Link with CM.	Internal communication via monthly milestones. Vote procedures by electronic mail for mineral nomenclature. Creation of subcommittees to examine nomenclature: tourmaline, epidote and allanite group, amphiboles (2003), astrophyllite, eudialyte, pyrochlore, sulphosalt, unnamed minerals. Well defined role for Chairman, vice-chairman and Secretary. Creation of Emeritus Chairman (January 2003) for A. Kato and J. Grice.
Com. on Ore Mineralogy	Computer server system in Eotvoos University, Budapest: Project to test its functionality; Project COM Website: Contact format to test before application; Home page to define based on a model of home page in Australia.	Link with CM to prepare a list of collection samples in museums and universities under a digital form; link with CNMMN to establish guidelines for publishing microprobe analysis of ore minerals, and to define mineral name abbreviation. Project of link with the Mineralogical Soc. of Peru	Internal communication via annual circulars Three working groups on systematic classification of selenides, tellurides and sulfosalts; Link with National Representatives every year.
Com. on Physics of Minerals			
Com. on History and Teaching		Socrates/Erasmus programmes for European curricula in Mineral Sciences - Projects: through Erasmus CDI and CDID; World directory of institutions	
Com. on Museums	The IMA site reports information on minutes of a meeting (2000)	Project: To develop link with Space agencies	
WG. on Cosmic Mineralogy → WG on Astromineralogy			
WG. on Database and Computer Applications → Committee	In charge of IMA Website: < http://server.dst.unipi.it/ima/ > Project: creation of links between individual Website of Com/WG and that of National Societies; creation of standard file format for mineralogical databases.	Link with EMU to complement the International Directory of Mineralogical Institutions; Link with all the IMA COM/WG; gateway facilities for Museums and other mineralogical communities.	Group of nine organized in a committee to develop the IMA Website, and internal Communication within members.
WG. on Mineral Equilibria	Project: Creation of a Website for WGME.	Link with gem trades	
WG. on Mineral Inclusions	Link to develop with the "World of Fluid Inclusion Internet site (Ph. Brown, Univ. of Wisconsin-Madison). < www.geology.wisc.edu/pbrown >	Link with ECROFI and PACROFI Organizing Committee- SE ASIAN/AUSTRALASIAN meetings. Link with Com. on GEM materials	
WG. on Organic Minerals		Link with EMU; with Poland museums and "Amberif"	Internal communication via annual circulars (Newsletters)

