



Group on Earth Observations (GEO)

REPORT

GEO-II Meeting

14-15 December 2005
Geneva, Switzerland

As Accepted at GEO-III

Wednesday, 14 December 2005

1. ORGANIZATION OF THE SESSION

The session was chaired by GEO Co-Chair VADM Conrad Lautenbacher, Under Secretary of Commerce for Oceans and Atmosphere, United States. Welcoming remarks were given by the four Co-Chairs and the Secretary-General of the WMO. The co-chair for the European Commission, Zoran Stančič, announced the departure of Achilleas Mitsos, and the Co-Chair for South Africa, Rob Adam, announced he was stepping down following the GEO-II meeting. The new GEO Secretariat Director, José Achache, was introduced to the Plenary and made some opening remarks.

The Chair introduced the draft agenda for adoption (GEO 0201-3). The EC requested time under Item 8 (Other Business) to make a short presentation on GMES, and with this modification the agenda was adopted.

The United States announced that, at the formal request from WMO Regional Association 3 and informal requests from other users in South America, it would be repositioning a retired GOES satellite to provide better coverage of South America, contingent on the successful launch of the next GOES satellite in February 2006. Argentina voiced thanks to the United States and noted that this action, which represents finding a specific solution to a specific problem, is an excellent example of the value of GEO.

Mauritius, Philippines and Slovenia were recognised as new GEO members. As of GEO-II, GEO consists of 60 Members plus the European Commission, and 43 Participating Organizations.

The Co-chairs noted the number of new entities requesting recognition as Participating Organizations, and recommended to the Plenary that the Executive Committee review the recognition process and report back to the Plenary after the next Executive Committee meeting with a set of rules or guidance for Plenary review. This recommendation was accepted.

Co-Chair Adam presented the summary of the GEO-I meeting in May 2005 (GEO 0203-3), which was accepted.

2. SECRETARIAT REPORT FOR 2005

2.1 Overview and Operations/Staffing Report (GEO 0207-2)

The Secretariat Director, José Achache, presented an overview of Secretariat activities, which focused on expanding and strengthening the links with GEO partners, in particular with new partners such as the World Health Organization (WHO), the European Environment Agency (EEA), Diversitas, Arctic Council and others. He also noted the importance of the year 2007 as the 50th anniversary of the 1957 International Geophysical Year, and that GEO could

work with the international science years (IPY, International Year of Planet Earth, etc.) to mark this as a special milestone for GEO activities. The Secretariat has also been building coordination and cooperation mechanisms with the WMO, CEOS, IGOS-P, GCOS, WCRP, IGBP, GBIF, and others, and also engaged dialogue with a number of national and regional administrations and high-level authorities. Finally, the Director noted that the Secretariat has interacted with all GEO working groups in the preparation of the terms of reference and the definition of the activities for the proposed GEO committees and working groups.

Concerning Secretariat Operations, the Secretariat Director introduced the document GEO 0207-2, the updated 2005 secretariat operations report. He repeated the call to Members and Participating Organizations for secondments and reported that ten proposals for secondment had been received.

2.2 Report on 2005 Activities (GEO 0206-1)

A report on 2005 Activities (GEO 0206-1) was provided by Guy Duchossois from the Secretariat. He emphasized that the secretariat has been focusing on two major activities, namely the development of the 2006 Work Plan and the initiation of preparatory activities in 2005. He explained the process of consulting a large number of experts and thanked their inputs and help in putting the plan for 2005 together. The tasks were essentially focussing on the following domains: (a) Reinforcing our understanding of users' requirements (b) Addressing the GEOSS architecture and data management aspects (c) continuity of observations and (d) capacity building and outreach. He reported that 80 % of the tasks have been completed or are in progress and the remaining 20 % will be combined to the 2006 tasks. Dr. Duchossois thanked all the experts that had made contributions to 2005 activities.

The report of the Secretariat was accepted, and there was consensus that the Secretariat should provide progress reports and a quarterly report to the Plenary on the outcomes of Secretariat meetings and activities.

3. 2006 WORK PLAN AND BUDGET

The Secretariat Director gave an overview of the 2006 Work Plan (GEO 0204-2). He noted that the evolution from the previous version to the latest version had been to increase delegation of tasks to Participating Organizations, Members and committees, and reported that detailed definition of the content of the tasks remains to be done in early 2006 through engagement the Members and Participating Organizations. The Secretariat will provide a process for all the members and participating organizations to subscribe to a given task indicating those to which they would like to contribute or possibly lead. He concluded with an explanation of the budget figures for 2006.

The Chair opened the discussion of the Work Plan by affirming that all Members and Participating Organizations would have an opportunity to engage in the work plan tasks, and noted that the Executive Committee would propose that the task be assigned to the standing committees for monitoring, in the event that the committee structure is agreed.

The following recommendations on the Work Plan were made during the discussion:

On the process:

- The Secretariat is to be commended for its work in preparing the 2006 Plan;
- Timelines, deliverables, and milestones, should be clearly defined for each task, and a comprehensive reporting and monitoring mechanism should be established, and some prioritization of the tasks would be welcome;
- Planning for 2007 and beyond should begin early;
- User requirements and the connection to policy decisions must be clearly made to ensure ongoing and increased support for the GEO budget;
- Strengthening of coordination with UN agencies would be welcome;
- Close linkage between GEO and GMES fast track services should be ensured;
- Greater developing country participation, particularly African participation, in the GEO should be encouraged. *(Note: During a subsequent discussion of the Rules, the Italian delegation clarified that 30% of its financial contribution should be set aside to facilitate developing country participation in the GEO Plenary and other activities.)*

In the development of task details, individual delegates requested that greater attention should be given to the following:

- Drought disasters;
- The inclusion of socio-economic data;
- Climate data modelling and assimilation;
- International conventions relating to ecosystems and biodiversity.

On Secretariat Operations and the Budget:

- Transparency is needed in selection of contractors for the Secretariat;
- Contributions to the budget should be balanced across a wider range of contributors;
- The budget should be balanced with expenditures against contributions, and the Plenary should determine a process for the disposition of additional contributions that may be received by the Secretariat for the 2006 budget.
- Brazil made an offer to host a workshop on capacity-building;
- EEA made a written offer to support a workshop in Europe on any topic.

Russia submitted a written statement for the record concerning the time provided to Plenary members for review of documents. (See Annex II)

The Secretariat proposed the following process for revising the 2006 Work Plan:

- A preliminary list of the tasks in the 2006 work plan will be issued on Tuesday on 20 December, for GEO Members, Participating Organizations and user organizations to volunteer to leading, assisting and/or providing financial or in-kind contributions. This list, referred to as the Work Plan Matrix, would also indicate to which GEO committee each task would be related (pending agreement of the committee structure). By 15 January GEO Members and Participating Organizations, and other organizations that wish to be involved, will inform the Secretariat of their willingness to lead, assist or fund specific tasks.
- From 15 January to 15 March the GEO committees will meet to coordinate with the volunteering members and participating organizations to complete the matrix, finalize the task sheet for each task. This process will supported by the Secretariat. These sheets will include specific assignments of work, deliverables and deadlines, and where possible work will begin.
- On 15 March, the Secretariat will deliver a final draft version of the 2006 work plan, including revised task sheets to the GEO Executive Committee, with a copy to the Plenary.
- Then on 1 April, or by 1 April, the Executive Committee would review and accept the final 2006 work plan.

The Chair proposed that the Work Plan text be accepted as a living document, which will be revised with detailed descriptions of the tasks, deliverables and timelines by 15 March according to the schedule proposed by the Secretariat. The Executive Committee will review and accept the final version of the Work Plan in April. This proposal was approved by the Plenary.

Note: At the request of some GEO Members, the 15 January deadline was subsequently changed to 31 January, and the schedule adjusted by two weeks.

Following acceptance of the Work Plan, the GEO Plenary accepted the revised budget for 2006 as presented by the Secretariat (GEO 0204-2C) and decided that, if contributions to the GEO Trust Fund in 2006 exceed those indicated in the document, such contributions will be used to further efforts to implement the work program either by:

- a. Undertaking additional work based on further inputs from Members and according to priorities to be identified by the Executive Committee during the first quarter of 2006, congruent with the decisions of the GEO Plenary, or by
- b. Carrying over such contributions to the budget for 2007, unless otherwise specified by the donor.

4. ADOPTION OF GEO RULES AND PROCEDURES

After presentation from the Secretariat of the Draft GEO Rules and Procedures (GEO 0205-8), the Plenary made modifications to the text, including the name of the document, which was adjusted to “GEO Rules of Procedure”. The Plenary adopted the GEO Rules of Procedures excluding the annexes and appendices concerning committees, and the Secretariat was instructed to accept any editorial changes from delegates and provide a revised draft for confirmation the following day. *(See note following Section 5)* There was consensus to examine the annexes and appendices concerning committees on Day 2.

Thursday, 15 December 2005

5. CREATION OF GEO COMMITTEES & WORKING GROUPS

The committee structure and the number of committees were discussed, and delegates raised the following points:

- The committee structure should be kept flexible, non-permanent and subject to regular review;
- The committees should report to the Plenary, and were a good forum for the engagement of GEO Participating Organizations;
- Engagement of developing countries in committee activities should be actively encouraged. *(Note: During this discussion, South Africa offered to co-host a workshop with Morocco to increase African participation in GEO)*

It was also discussed, whether the Working Group on Tsunami Activities should be enlarged to become a Working Group on All-Hazard Activities. There was consensus that the Working Group on Tsunami Activities will continue to focus on tsunami-related activities, but develop a proposal on whether to broaden its mandate into an “All-Hazards” committee for the consideration of the Plenary.

At the conclusion of the discussion of committees and working groups, the proposed annexes and appendices addressing committees and working groups were accepted as the foundation for the committees and working groups to begin work, but could be revised by those groups informally, subject to annual review by the Plenary. The Secretariat was asked to announce the mechanism for joining the committees.

During the committee discussion, the chair also entertained two additional interventions requesting adjustments to the main body of the Rules. These adjustments, along with additional editorial corrections provided to the Secretariat overnight, were adopted.

Note: The GEO Rules of Procedure (Document GEO 0205-10) reflects the final consensus for the rules and the committee structure. The Secretariat issued a revision of Appendix 5 on 30 January 2006 to correct a recording error. (See Document GEO 0205-10A-Appendix 5 Corrected)

6. SPECIAL ITEMS

6.1 GEONETCast

A presentation was given on GEONETCast by EUMETSAT and the United States. The Plenary discussed the concept with interest, accepted it in principle, and placed the responsibility for further study and development within the context of the Architecture and Data Committee.

The Russian Federation requested the following written statement to be included in the minutes:

“GEO-II noted the information on the GEONETCast initiative and has requested the Committee on the Data and Architecture to study in 2006 the opportunities and expediency of creation in GEO frameworks the global system for collection and dissemination data and products taking into account the existing national and international systems and proposal GEONETCast initiative. It was noted also, that the special attention should be given to resolve the problems of management of such a system in the presence of a plenty of the potential users representing the 9 SBA’s.”

6.2 Role of Earth Observations in Hazard Assessment and Disaster Management

The Plenary considered the questions presented in the GEO 0208-1 info paper in Hazard Assessment and Disaster Management. In the discussion, the Chair characterized the role of GEO as follows:

- 1) Creating fora for discussion where all interested parties are at the table and in which non-member countries and organizations are also invited to discuss issues;
- 2) Identifying gaps or helping to facilitate finding gaps: technical, financial, skills;
- 3) Finding ways to fill these gaps, while at the same time promoting GEO
 - some things can be done collectively as GEO and others can be addressed by groups/countries/organizations;
- 4) Finding ways through standards and protocols to make systems compatible/interoperable. Provide comments and advice and emphasize consistency with GEOSS Ten Year Implementation Plan;
- 5) Extrapolating to higher and broader uses; e.g. From tsunami to all-hazards to energy management, etc.;
- 6) Attributing to GEO/GEOSS - give credit to partners, and take credit for successes.

These points were accepted as general characteristics. On the specific questions of issues raised in info paper GEO 0208-1, the Plenary recommended that the committees on Science and Technology and User Interface and the working group on Tsunami Activities review all of the existing and emerging initiatives, in order to recommend actions and priorities to be endorsed by the GEO Plenary.



7. PREPARATION FOR GEO-III

The Secretariat proposed the following schedule for future meetings:

11/06 GEO III
11/07 GEO IV and EO Summit
11/08 GEO V
11/09 GEO VI
11/10 GEO VII and EO Summit
11/11 GEO VIII

This schedule is to be confirmed.

8. OTHER BUSINESS

EC presented a Declaration on GMES at the GEO Plenary (see Annex I).

9. CONCLUDING REMARKS

Concluding remarks were made and the meeting was adjourned at 4:00 pm.

ANNEXES

Annex I: EC Declaration on GMES at GEO-II Plenary, Geneva, 14-15 December 2005
Annex II: Statement of the Russian Delegation
Annex III: List of GEO-II Participants

Annex I**EC Declaration on GMES at GEO-II Plenary
Geneva, 14 – 15 December 2005**

- The EC declared that its two major contributions related to GEO would be¹:
 - a) To have GMES as the main European contribution to the environmental issues of GEO;
 - b) To promote the involvement of the developing countries in the GEO process.
- Following the adoption of the 10-Year Implementation Plan for a Global Earth Observation System of Systems (GEOSS) in Brussels in February 2005, the EC confirmed that GMES would be the main European contribution to GEOSS². This will be achieved – among other things - by the provision to GEOSS of data generated in connection with services implemented in the framework of GMES. These services will integrate the use of space-based and in-situ data, together with data modelling, processing and dissemination capacities³. The EC research contribution to GMES will be supported by the coming 7th Framework Programme of Research through different thematic priorities.
- Meeting on 28 November, the Governments of 29 European countries were represented in the Space Council. They provided the European Commission and the European Space Agency with formal orientations for their forthcoming work on GMES. They reaffirmed the strategic dimension of GMES and the need for it to be user-driven and service-oriented. They recalled the importance of maintaining a European autonomous Earth observation capacity to support political decision making, as well as the importance of the international dimension of GMES, including its status as the main European contribution to GEOSS.
- European Ministers have supported a phased approach for the implementation of GMES based on clearly identified priorities, starting with the development of three fast-track services on Emergency Response, Land Monitoring, and Marine Services due to begin their pilot phase as operational services by 2008, with further services to be developed and validated in due time. The gradual introduction of GMES services will be based on their maturity, uptake by the user communities (relevance for policy making and policy implementation) and the long-term sustainability of demand and supply.
- GMES will use to the maximum extent possible existing and planned capacities, national or European. Remaining gaps need to be identified and, along with the replacement needs of existing capacities, be discussed.

¹ COM(2004)65 Fin.² COM(2005)208 Fin.³ GAC(2005)9

- Concerning the support to the participation of developing countries to the GEO process, the recently approved “EU strategy for Africa” has identified space technologies as a tool for supporting the sustainable development of Africa, particularly through the better management of its environment⁴. This should help the international community to reach the Millennium Development Goals (MDGs) on Environment. EC is already contributing to this endeavour through the implementation of initiatives such as the African Monitoring of the Environment for Sustainable Development (AMESD). The policy dialogue between the African Union Commission and the European Union, initiated at the last EU / UA Summit, will assess how best space technologies can be used to support the sustainable development policies in Africa.

- In this context, the EC welcomes the GEO 2006 work plan. The EC values the objectives of the GEOSS and will keep the GEO regularly informed on developments in the GMES initiative as and when key decisions are taken within Europe on its fundamental aspects, thus optimising the synergies between the progressive building up of GMES and GEOSS.



Statement of the Russian Delegation

1. Текст заявления на заседании Исполкома 13.12.2005 г.	
В статье 2.7 документа GEO 0205-6 установлен срок ознакомления секретариатом ГНЗ всех руководителей ГНЗ с новыми документами не менее чем за четыре недели до Пленарного заседания.	The clause 2.7 of document GEO 0205-6 has established a term of GEO Secretary submitting of the new documents for all GEO Principals. The term is not less than four weeks prior to Plenary session.
В этой связи российская сторона вынуждена обратить внимание членов Исполкома на два аспекта.	In this connection the Russian side is compelled to draw attention of the Executive Committee Members to two following items.
Первый заключается в том, что мы все до принятия документа «Правила и процедуры» имели не единожды шанс проверить в реальных условиях работы над проектами документов адекватность предполагаемого временного срока реальным временным затратам, необходимым для их рассмотрения и подготовки позиции стран-участниц по рассматриваемым документам.	The first one is that all of us not once before adoption of the document «Rules and Procedures» had chances to test in real working conditions on draft documents that the assumed time for studying of the documents corresponds to the real time that is necessary for their consideration and for definition of countries – participants' position concerning the documents.
Мы неоднократно подчеркивали и продолжаем настаивать на том, что с учетом внутренней процедуры рассмотрения документов по проблематике ГСНЗ это временное ограничение является для российской	We emphasized many times and insist now that taking into account the internal procedure of consideration of documents on GEOSS problems this time restriction is too hard and

стороны жестким и неприемлемым.	unacceptable for the Russian side.
Предлагаем в статье четко определить следующий порядок рассмотрения проектов документов.	We suggest that the following order of consideration of draft documents should be precisely defined in the clause.
После опубликования секретариатом ГНЗ новых проектов документов странам-участницам отводится семь недель на формирование и представление в секретариат ГНЗ своей позиции по этим документам.	After publication of new draft documents by GEO Secretary the Countries - Participants have seven weeks to define their position concerning these documents and to submit it to the GEO Secretary.
Секретариат ГНЗ обобщает изложенные в позициях стран-участниц предложения и формирует новую версию проектов документов.	The GEO Secretary generalizes offers stated in positions of Countries - Participants and provides the new version of the draft documents.
Эта версия доводится до руководителей ГНЗ не позднее, чем за восемь недель до Пленарного заседания ГНЗ.	This version is transferred to GEO Principals not later than eight weeks prior to GEO Plenary.
Руководитель ГНЗ (при необходимости) организует подготовку комментариев к новой редакции документов для их оглашения на Пленарном заседании ГНЗ.	GEO Principal (if necessary) organizes preparation of comments for new edition of documents for their announcement at the GEO Plenary.
Обращаю Ваше внимание на то, что при подготовке к нашему заседанию Исполкома и Пленарному заседанию ГНЗ российская сторона за счет установления секретариатом ГНЗ коротких сроков на рассмотрение документов была в	I would like to draw your attention to the fact that during preparation for our session of Executive Committee and Plenary session the Russian side due to the short terms of documents' consideration,

очередной раз поставлена в трудные условия.	established by GEO Secretary, has been once again put in difficult conditions.
Это привело к тому, что замечания российской стороны к документам были направлены в секретариат только 7.12.05 г.	It has resulted in remarks of the Russian side on the draft documents have been sent to Secretary only 7.12.05.
Второй аспект связан с тем, что в качестве языка общения и переписки выбран английский язык.	The second item is that English language is chosen as language of dialogue and correspondence.
Это обстоятельство ставит в неравные условия англо-говорящие и неанглоговорящие страны и требует для неанглоговорящих стран дополнительного времени на отработку проектов документов	In connection with this circumstance the English-speaking countries and not English-speaking countries are in unequal conditions and the not English-speaking countries need additional time for working off the draft documents
Спасибо за внимание.	Thanks for attention.
Надеюсь на Ваше понимание.	I hope for your understanding.

Annex III
List of GEO-II Participants

Argentina	Inés FASTAME Ana MEDICO Marcelo VALLE FONROUGE Conrado VAROTTO	France	Claudie CARNEC François GERARD Daniel VIDAL-MADJAR
Australia	Greg AYERS Susan BARRELL Ian SHEPHERD	Germany	Udo GAERTNER Andreas HESSE Wolfgang KLEIN Werner KLEINE-BEEK Stefan KNABE Stefan RÖSNER Helmut STAUDENRAUSCH
Austria (observer)	Liane Lippsky Fritz Neuwirth	Greece	Ioannis ZIOMAS
Belize	Alicia HUNT Albert JONES Maté TAMASKO Thomas TICHY	Honduras	Patricia PANTING Mauricio Alfredo PEREZ ZEPEDA Jesus Ricardo RODRIGUEZ J. Benjamín ZAPATA
Brazil	Reinaldo BONFIM DA SILVEIRA Maria Teresa MESQUITA PESSÔA João SOARES	Hungary (observer)	Istvan ERENYI
Canada	Bruce ANGLE Geneviève BÉCHARD Michael BRADY Nicholas CHRISMAN Pierre DUBREUIL Marc Denis EVERELL Christine HUTTON Virendra JHA Patrick QUEALEY Lauren SMALL	Iceland	Anna Jónsdóttir Kristjana Sigurbjörnsdóttir
Central African Rep	Séraphin MAMYLE-DANE Jacques Désiré MBOLIGASSIE	India	Ranganath NAVALGUND
Chile	Rodrigo ESPINOSA	Indonesia	Ratih Dewanti DIMIYATI Agus HIDAYAT Suhermanto SUHERMANTO
China	Xuejun CAO Jinlong FAN Guocheng ZHANG Wei ZHANG Wenjian ZHANG Datong ZHAO Yanglin ZHAO Guoguang ZHENG	Iran	Alimohammad NOORIAN Parviz POURKIANI Ahad VAZIFE
Croatia	Ivan CACIC Zvonimir KATUSIN	Ireland	Brendan KELLY Patrick O'CONNOR
Denmark	Peter AAKJAER Flemming JENSEN	Israel	Nicole MORENO Amnon STUPP
European Comm	Eleni CHRISTIA Ian CLARK Paul COUNET Daniel DEYBE Christian DUFOUR Errol LEVY Gilles OLLIER Francesco PIGNATELLI Michel SCHOUPE Zoran STANCIC Pierre VALETTE	Italy	Ezio BUSSOLETTI Giorgio CESARI Corrado CLINI Maria DALLA COSTA Rodolfo GUZZI Roberto INGHILESI Damiano LUCHETTI
Finland	Jarkko KOSKINEN Yrjö SUCKSDORFF	Japan	Hisao IDA Tadahiko INADA Ikuko KURIYAMA Hiromichi MARUYAMA Osamu MIYAKI Junsaku MIZUHATA Shigechika TERAKADO Toshio TSUCHIYA Kazuo UMEZAWA
		Latvia (observer)	Inita STIKUTE
		Luxembourg	Eugène BERGER
		Malaysia	Azlikamii NAPIAH
		Mexico	Claudia GARCÍA GUIZA Miguel Alejandro OROZCO MALO
		Morocco	Driss ELHADANI Noureddine FILALI BOUBRAHMI Amal NHAMI



Netherlands	Frits BROUWER Hennie KELDER
Nigeria	Mark Aiyeola
Norway	Øystein NESJE Per Erik SKROVSETH
Portugal	Ana PONTE Aderito SERRAO
Republic of Korea	Moon-hee HAN Jae-yeon KIM Ok-soo KIM Seong-heon KIM Kwang-Joon PARK
Russian Federation	Vasily ASMUS Alexander GUSEV Vladimir KRUTIKOV Andrey KRUTSKIY Valery KUKOSH Mikhail LEBEDEV Nikolay Lukich MAKARENKO Igor MOLDOVANOV Olga MOZOLINA Yuri NOSENKO Alexander PANFILOV Victor SAPRITSKIY Yury SHEVKO Yury SUKHAREV Alexander TKACHENKO Alexander VIKTOROV
Slovak Republic	Jozef FRANZEN
Slovenia	Silvo ŽLEBIR Joško KNEZ
South Africa	Rob ADAM Daan DU TOIT Mmboneni MUOFHE Dhesigen NAIDOO Imraan SALOOJEE Johan VAN WYN
Spain	Francisco CADARSO Teresa DIEZ ITURRIOZ Maria-Cruz GUTIÉRREZ Jose M. MARCOS Roberto TRIGO

ARSE	Roberto INGHILESI
APN	Hiroki HASHIZUME
CEOS	Colin HICKS Volker LIEBIG Ana MEDICO Conrado VAROTTO
ECMWF	Dominique MARBOUTY
EEA	Jacqueline MCGLADE Ralph RAYNER
ESA	Jean-Charles BIGOT Stephen BRIGGS Jean-Louis FELLOUS Lars FREDEN
ESEAS	Bente Lilja BYE Per KNUDSEN
EUMETNET	Jim CAUGHEY Philippe TRISTANT
EUMETSAT	Werner BALOGH

Sweden	Maria AGREN Göran BOBERG Conny HÄGG Helena ÖDMARK
Switzerland	Paul GARNIER Domenico GIARDINI Roxane MENTHA Gerhard MÜLLER José ROMERO
Thailand	Suthira SUWANARPA
Ukraine	Serhii YAMPOLSKYI
United Kingdom	Arwyn DAVIES Alan DOUGLAS Colin HICKS Cathy JOHNSON
United States	Chuck ASHLEY Jeremy CHILD Eliot CHRISTIAN Ivan DELOATCH James DEVINE Gary FOLEY Lawrence FRIEDL John KELLY, JR. Conrad C LAUTENBACHER JR P. Patrick LEAHY Donna LEE John LYON Linda MOODIE Lawrence PETTINGER Daniel REIFSNYDER Thomas SPENCE Carla SULLIVAN Jon SWALLOW Gregory WITHEE Erin WUCHTE Shira YOFFE
Uzbekistan	Zokhidjon NAZIROV

	Roy GIBSON Lars PRAHM David WILLIAMS
EuroGeoSurveys	Patrice CHRISTMANN Emile ELEWAUT Hormoz MODARESSI
FAO	John LATHAM
FDSN	Domenico GIARDINI
GCOS	David GOODRICH Paul MASON
GOOS	Mary ALTALO François GERARD
GTOS	John LATHAM
IAG	Hans-Peter PLAG Markus ROTHACHER
ICSU	Norbert JUERGENS Anne LARIGAUDERIE Thomas ROSSWALL



IEEE	René GARELLO Ellsworth LEDREW Jay PEARLMAN
IGBP	Kevin NOONE Hassan VIRJI
IGFA	Thomas SPENCE
IGOS-P	Donald HINSMAN Brian O'DONNELL
IISL	Joanne GABRYNOWICZ
INCOSE	Ralf HARTMANN
IOC	Keith ALVERSON Boram LEE David PUGH
ISCGM	Shinichi KAYABA
ISPRS	Ian DOWMAN
OGC	George PERCIVALL
POGO	Jan DE LEEUW
UNEP	R. Norberto FERNANDEZ
UNESCO	Robert MISSOTTEN

GEO Secretariat	José ACHACHE Majid AZADI Natasha BRUTSCH Peter COLOHAN Guy DUCHOSSOIS Joan FITZPATRICK Yukio HARUYAMA Antti HERLEVI Alexia MASSACAND
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UNFCCC	Festus LUBOYERA
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UNITAR	Francesco PISANO Alain Jean Louis RETIERE Olivier SENEGAS
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UNOOSA	Sergio CAMACHO David STEVENS
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WCRP	Valery DETEMMERMAN Richard LAWFORD Gilles SOMMERIA Hassan VIRJI
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WHO (observer)	Mika KAWANO
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WMO	Donald HINSMAN Michel JARRAUD Joachim MULLER Brian O'DONNELL
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