

United Nations Committee of Experts on Global Geospatial Information Management

Report of the UN-GGIM Expanded Bureau Meeting

**7-9 December 2016,
Conference Rooms A and B,
UN Headquarters, New York**



I. OVERVIEW

From 7-9 December 2016, the UN-GGIM Secretariat and its expanded Bureau (including its five Regional Committee Chairs, the Joint Board of Geospatial Information Societies (JBGIS) and two Networks – Private Sector and Academic) convened its third annual meeting at the United Nations Headquarters in New York. This Bureau meeting follows the informal executive meeting held in New York, on Monday 1 August, 2016, prior to the sixth session of the Committee of Experts on Global Geospatial Information Management.

There were 19 participants, comprising 12 expanded Bureau members, and 7 from the Secretariat - the United Nations Statistics Division and the Geospatial Information Section of the Department of Field Support. Appendix I provides the list of participants.

This meeting continued the discussions in greater detail on a number of important items that were addressed at the Committee of Experts meeting in August 2016. This meeting was aimed at a strategic level under the theme "*Strategies for closer collaboration and connecting our global community*". The discussions focused on implementation of the decisions from the July 2016 ECOSOC resolution "Strengthening institutional arrangements on geospatial information management", E/RES/2016/27 and those from the report of the sixth session of the Committee of Experts, E/2016/46-E/C.20/2016/15.

II. AGENDA

The agenda for the three days of the meeting was as follows:

1. [Welcome, Introductions, Setting the Agenda](#)
2. [Communication and coordination – UN-GGIM activities, meetings and interactions](#)
 - i. Regional Committees, Thematic Groups, Commissions and Statistical Bodies
 - a) [UN-GGIM Asia-Pacific](#)
 - b) [UN-GGIM Americas](#)
 - c) [UN-GGIM Europe](#)
 - d) [UN-GGIM Africa](#)
 - e) [UN-GGIM Arab States](#)
 - f) [Joint Board of Geospatial Information Societies \(JBGIS\)](#)
 - g) [UN-GGIM Academic Network](#)
 - h) [UN-GGIM Private Sector Network](#)
 - ii. [Expert and Working Groups: Updates, issues and opportunities](#)
 - a) [IAEG-SDGs Working Group on Geospatial Information](#)
 - b) [EG: Integration of Statistical and Geospatial Information](#)
 - c) [EG: Land Administration and Management](#)
 - d) [WG: Global Geodetic Reference Frame \(Sub-Committee\)](#)
 - e) [WG: Geospatial Information and Services for Disasters](#)
 - f) [WG: Trends in National Institutional Arrangements](#)
 - g) [WG: Fundamental Data Themes](#)



- iii. [Other Activities – Updates and Proposals](#)
 - a) [UN system and geospatial information activities](#)
 - b) [Legal and Policy Issues](#)
 - c) [Marine Geospatial Data](#)
 - iv. [UN-GGIM Bureau representation at national/international meetings and conferences](#)
 - a) Which ones should Bureau attend?
 - b) Overview of recent meeting in Santiago, Chile
 - c) Others? UN World Data Forum
 - v. [UNEGN relationship with UN-GGIM and back-to-back meetings in August 2017](#)
3. [UN-GGIM 2020 Strategic Plan and Roadmap](#)
- i. Transition from GGIM 1.0 to GGIM 2.0. What do we take back to ECOSOC, and when?
 - ii. ECOSOC Resolution July 2016 – implementing a strengthened mandate
 - iii. Capacity development and training – awareness of Governments; technology transfer; funding for mapping
 - iv. Determining the value proposition to ECOSOC
 - v. Budget and funding – how do we approach it?
 - vi. What role can interns and/or secondments play?
 - vii. Outreach and communication; communication plan, raising political awareness
4. **Other business**
- i. [Dates of Bureau meetings 2017](#)



III. Welcome, Introductions, Setting the Agenda

The Director of the United Nations Statistical Division (UNSD), Stefan Schweinfest, welcomed all participants, the co-Chairs and Rapporteur of the Bureau, Chairs of the Regional Committees/their nominated representatives, Chairs of the two Networks and the UN-GGIM Secretariat. He reflected on the functions of the Bureau, and stated that the meeting serves as a mid-point evaluation aimed at ensuring that the thematic processes were moving forward, and also providing strategic direction towards the next level, GGIM 2.0. Emphasis was placed on the need to anchor UN-GGIM more institutionally through the regional committee architecture and the Regional Commissions; and to continue working on global policies for geospatial information management in tandem with producing tangible outputs such as norms, handbooks, methodologies standards and guidelines. In addition, he encouraged the Bureau to establish good practices including the need to work in a transparent and open manner. In this regard, it was agreed that the report of the expanded Bureau meetings should be uploaded to the UN-GGIM website. Further Mr. Schweinfest shared his concern regarding the staff complement of the Secretariat, noting that there was a lot to be accomplished given an expanding agenda, with too few resources.

The welcome and opening statements were followed by an overview of the three day agenda and logistical arrangements. Thereafter, introductory statements from the floor were delivered by the expanded Bureau and its members.

IV. Communication and coordination – UN-GGIM activities, meetings and interactions

1. Regional Committees, Thematic Groups, Commissions and Statistical Bodies

Chairs and/or representatives from the regional committees and thematic groups provided short updates on their activities and future plans. The PowerPoint presentations from the Regional Committees and networks are available at the UN-GGIM web page under UN-GGIM Bureau and [meetings](#).

- a) **UN-GGIM Asia-Pacific.** Apologies were extended on behalf of the Chair of UN-GGIM Asia and the Pacific, who was unable to attend the meeting. The region successfully convened their fifth plenary meeting and also the UN-GGIM International Forum on Policy and Legal Frameworks for Geospatial Information, both held 16-20 October 2016 in Kuala Lumpur, Malaysia. Emphasis was placed on capacity development and building relationships to achieve this.
- b) **UN-GGIM Americas.** The Chair reported on the third plenary meeting held 4-6 October 2016, in collaboration with the Latin America Geospatial Forum in Mexico City, Mexico. The next regional meeting will be held 3-6 April 2017 in Santiago, Chile.
- c) **UN-GGIM Europe.** Reported on their third plenary meeting, held 5 October 2016 in Budapest, Hungary. The regional committee is making efforts to link its activities to the needs of the EG-ISGI and the IAEG-SDGs Geospatial Information Working Group.
- d) **UN-GGIM Africa.** Reported on its second plenary meeting held 30 November to 2 December 2016 in Abidjan, Cote d'Ivoire, together with StatCom Africa, and supported by the United Nations Economic Commission of Africa. The main item addressed was the review of the African Action Plan, "Geospatial Information for Sustainable Development in Africa 2016-2030".



- e) **UN-GGIM Arab States.** Reported on their activities, including the work being undertaken on ARABREF, a Common Arab geodetic reference frame. Their fourth plenary meeting will be held 21-23 February 2017, in Doha, Qatar.
- f) **Joint Board of Geospatial Information Societies (JBGIS).** Apologies were tendered on behalf of the Chair of the JBGIS and a brief report read outlining the concerns of the group which included strengthening collaboration across the UN-GGIM architecture.
- g) **UN-GGIM Academic Network.** Presented its draft terms of reference and the significant work accomplished since inception. A web site is under construction and rules governing expressions of interests to join the network have been drafted.
- h) **UN-GGIM Private Sector Network.** Presented its terms of reference and accompanying guiding principles. The Chair shared the network's commitment to contribute and partner where possible towards achieving the vision of UN-GGIM.

Major Points from the Discussions

- a) Regional committees and networks were encouraged to ensure coherence and integration of agendas among their working groups and how they tie back to the global activities.
- b) Connectivity and cross-regional relationships are encouraged among regional committees.
- c) It was noted that the United Nations is largely an inter-governmental system and is currently defining its mechanism for private sector and civil society engagement. There is therefore the need for continued dialogue with the newly created networks, and to be practical in harnessing their good will, knowledge and contribution.
- d) Regional committees were encouraged to engage United Nations Regional Commissions as well as relevant continental, regional or sub-regional political structures in pursuing their work agenda.
- e) The terms of reference for the Academic and Private Sector Networks were approved by the Bureau.

2. Expert and Working Groups: Outcome and Follow-up Actions

- a) **IAEG-SDGs Working Group on Geospatial Information**
 - i. The Bureau welcomed the convening of the first face-to-face technical meeting hosted by INEGI, 12-14 December 2016, in Mexico City.
 - ii. The Bureau and Secretariat may have to consider UN-GGIM taking responsibility to coordinate and make available international datasets that are geographically and temporally consistent and reliable, to inform on a few indicators.
- b) **Expert Group on Integration of Statistical and Geospatial Information**
 - i. At its sixth session, the Committee of Experts adopted the 5 Guiding Principles of the Global Statistical Geospatial Framework (GSGF). The Framework will be presented to the 48th session of the UN Statistical Commission in March 2017 for endorsement. The Expert Group is now looking at practical means of consolidation and implementation of the GSGF



and is testing a template of country-level examples of the GSGF implementation before sending to the global community. Thereafter it is anticipated that the GSGF will be finalised and adopted at the seventh session of UN-GGIM.

c) Expert Group on Land Administration and Management

- i. The Expert Group was requested to consider any engagement by UN-GGIM: Africa with the Africa Land Policy Initiative and also to include the Academic Network in its review and consolidation of its action plan.
- ii. It was agreed that the Expert Group should focus its work on overarching global issues at the policy level, including encouraging the use of geospatial information to support land administration and management.
- iii. The Expert Group was reminded to take forward the outcomes of the 4th High Level Forum in Addis Ababa, particularly in partnership with UN-GGIM: Africa given their regional land policy initiative.

d) WG: Global Geodetic Reference Frame (Sub-Committee)

- i. At the sixth session of the Committee of Experts, the decision was taken to elevate the Working Group to a Sub-Committee. The Working Group is preparing its transitional arrangements including an appropriate governance structure, roadmap and work plan. Each of the five regional committees are requested to nominate representatives to the Sub-Committee.
- ii. It was noted that the work plans of most UN-GGIM regional committees included work items on Geodesy/GGRF; thus there was a request for closer cooperation between regional working groups and the Working Group.
- iii. There were requests to include capacity development, specifically training modules, at regional and sub-regional levels in the GGRF implementation plan.

e) WG: Geospatial Information and Services for Disasters

- i. The Working Group was asked to focus its work within the geospatial policy remit of the Committee of Experts and build on existing knowledge. The Working Group was also cautioned to avoid scope creep.
- ii. The Bureau acknowledged the significant progress of the Working Group on its draft Strategic Framework on Geospatial Information and Services for Disasters 2016-2030, and agreed that global consultations should be conducted to refine the Strategic Framework.
- iii. Areas of emphasis identified were – providing policy direction and guidelines in making geospatial data available to the disaster cycle, collecting case studies that support the use of geospatial data across different hazards such as fire and floods etc., identification of the types of geospatial data needed and available for disaster management.
- iv. The Working Group was asked to review its terms of reference and work plan, and to prepare proposals that divide the work into implementable portions.

f) WG: Trends in National Institutional Arrangements

- i. Recognising the complex and broad scope of national institutional arrangements, and that there is no single solution that fits all countries, the Bureau supported the decision and



action taken by the Secretariat to engage the services of a consultant to assist the Working Group in focussing and consolidating the considerable body of work achieved to date. The consultant will elaborate a concrete proposal on how a high level framework and/or principles could provide the strategic top-down view of the issues and processes for countries, and to support the work of the Working Group going forward.

- ii. The Bureau (with Mr. Tim Trainor as Bureau focal) will review the draft final report of the proposed consultancy, including its preliminary findings.
- iii. The Private Sector Network volunteered to support the efforts of the Working Group.
- iv. It was recognised that it was important to receive input from developing countries in preparing national institutional arrangement deliverables.

g) WG: Fundamental Data Themes

- i. The Bureau noted that the Executive Committee of UN-GGIM: Europe acted as the Steering Group to the WG: Fundamental Data, and that this could be a viable modality or model for other UN-GGIM agenda/work items.
- ii. A consultation on the draft Fundamental Geospatial Data Themes is being circulated to relevant experts in early 2017, to be finalised and presented at the seventh session of the Committee of Experts.

3. Other Activities – Updates and Proposals

a) UN system and geospatial information activities

- i. It was noted that ECOSOC Resolution E/RES/2016/27 provides a basis for Member States to ask for better and improved coordination of geospatial information activities within the United Nations system.
- ii. The UN-GGIM Secretariat and Bureau agree that the missing link within UN-GGIM’s “architecture” is those entities within the United Nations system engaged in geospatial information activities.
- iii. The UN-GGIM Secretariat will continue with its fact finding exercise, analyse the responses received from the questionnaire to agencies, programmes and departments within the United Nations, and prepare a report inclusive of proposals and recommendations for a formal coordination mechanism; to be presented at the seventh session of the Committee of Experts.

b) Legal and Policy Issues

- i. The Bureau welcomed the convening of the International Forum on Policy and Legal Frameworks for Geospatial Information Management, in Malaysia, in October 2016 and the adoption of the [Kuala Lumpur Declaration on Policy and Legal Frameworks for Geospatial Information](#).
- ii. The Declaration called for the Committee of Experts to consider establishing a working group to explore policy and legal frameworks for geospatial information, with participants from both the geospatial and legal communities; and to develop a strategy and plan of action on policy and legal issues in order to begin the advocacy and engagement process, inclusive of a guide to the licensing and dissemination of geospatial information that can



- provide guidance to Member States.
- iii. The Bureau welcomed these developments and, in an effort to expedite progress, approved the establishment of a working group to determine modalities and terms of reference for approval at the seventh session of the Committee of Experts, and begin work on a strategy and plan of action.
- iv. The Bureau noted and welcomed the consultancy for the development of a UN-GGIM compendium on the licensing of geospatial information as a guide for Member States, and a tangible outcome of the Committee of Experts.

c) Marine Geospatial Data

- i. The Bureau approved moving forward on a proposal from the U.S. to establish a new working group on Marine Geospatial Data. The proposal reflected interest by several Member States and the International Hydrographic Organization on addressing geospatial data for coastal and marine environments.
- ii. The Bureau took note of the proposed concept note, recognized the importance of addressing water data and suggested that clarification on responsibility for inland water be coordinated with efforts by UN-GGIM Europe on the Fundamental Data Themes.
- iii. The Bureau recommended revisions to the proposed working group concept note for review by the UN-GGIM Bureau in time for inclusion on the agenda for the seventh session of UN-GGIM.

d) UN-GGIM Bureau representation at national/international meetings and conferences

- i. A calendar of UN-GGIM meetings and other international geospatial events was circulated. See Appendix II.
- ii. There was consensus on the value of effective representation at national, regional and international events, to create increased awareness and promote the Committee of Experts.
- iii. Arising from some requests, a 10-slide presentation providing an overview on the Committee of Experts was compiled and made available to all regional committees, to be used as a communication tool.
- iv. The Bureau and the Chairs of regional committees were encouraged to actively and appropriately represent the Committee of Experts.
- v. The efforts of Chile were specifically recognised for the successful convening of an International Seminar in Santiago, Chile in November 2016 that focused on achieving the 2030 sustainable development agenda using geospatial and statistical information. It was a welcomed initiative, demonstrating global to national linkages that could inspire and be used by other national geospatial information authorities.
- vi. In support of strengthening communication among the Committee of Experts and its stakeholders, the Private Sector and the Academic Networks volunteered to assist with the preparation of a UN-GGIM newsletter. The details such as frequency, content etc. are to be defined.

e) UNGEGN relationship with UN-GGIM and back-to-back meetings in August 2017

- i. The UN-GGIM Bureau welcomed the proposal for cooperation from the United Nations Group of Experts on Geographical Names (UNGEGN) Bureau and acknowledged the need to work together. The proposal is to be further considered by the Bureau.



- ii. It was agreed that an initial practical step would be to convene a video conference between the co-chairs of both groups (held 8 February 2017), and a physical meeting to be arranged in August 2017 between the UN-GGIM and UNGEGN/UNCSSGN intergovernmental sessions.
- iii. The UN-GGIM Bureau will explore a joint side event with UNGEGN on Fundamental Geospatial Data Themes and Geographical/Cultural/Political names layer/sub-theme at the next UN-GGIM High Level Forum.

V. UN-GGIM 2020 Strategic Plan and Roadmap

In this segment discussions were centred on the question; UN-GGIM 2.0, what happens next?

1. Strategic Plan and Roadmap

- a. The UN-GGIM Bureau noted the diverse interests and demands, particularly considering the aspirations of developing and developed states, and acknowledged that all are essential. A high-level one page draft UN-GGIM strategic framework was tabled as a starting point for discussion towards a Strategic Plan. Included were UN-GGIM's mission, vision, strategic objectives, global policy framework, geospatial challenges and drivers, benefits and efficiencies, operating principles and working activities. Clear deliverables from a well prepared plan is essential together with key performance indicators, particularly with regard to work streams and work plans of Expert and Working Groups.
- b. The decisions taken were:
 - i. Consolidate the draft *UN-GGIM Strategic Framework* over the next few weeks with the Bureau. The framework is to be considered a “living document”, therefore in a continued state of revision and evolution.
 - ii. Continue the discussion on the draft Strategic Framework in Hyderabad, India in mid-January 2017.
 - iii. The UN-GGIM expert groups and working groups were encouraged to align their work programmes with the UN-GGIM Strategic Framework on its finalization. It will be incumbent on regional committees and Member States to develop their accompanying “Plan of Action” aligned with the UN-GGIM Strategic Plan.
 - iv. The Bureau agreed that the August period remains the best time for convening the annual UN-GGIM Committee sessions, particularly as all participants are now used to the time frame in their annual calendar. Therefore the current August dates will be maintained until decided otherwise.

2. Communication Strategy

- a. The Bureau agreed on the need for more assertive advocacy and “aggressive” messaging, and that communications must be consistent and continual at all levels – Permanent Missions to the United Nations, Ministries of Foreign Affairs, Member States, etc. Some of the questions considered during the discussion were: - What do we do?; What do we communicate?; Do we have a Mission Day?; and Do we have geospatial information champion(s)?
- b. Suggested Actions:



- i. There was consensus on the need to improve visibility of UN-GGIM as the peak intergovernmental mechanism on “geography, geospatial information and related topics” both within the United Nations and in the global geospatial information community.
- ii. Once completed and approved, the *UN-GGIM Strategic Plan* and funding request letter is to be sent to Permanent Missions to the United Nations in New York and their related national bodies.
- iii. The preparation of a regular newsletter with standing segments/contributions from the UN-GGIM community, and expert and working groups.
- iv. Concerted communication and outreach from regional bodies to regional funders.
- v. Preparation of articles for magazines, videos, blogs, etc.
- vi. Create leadership development programs as geospatial information champions are needed. The call for “GGIM Ambassadors” was made.
- vii. Insert UN-GGIM web links/logos on website of national geospatial and mapping institutions
- viii. It was agreed that the UN-GGIM logo and its wording need to be standardised (e.g. no longer an “initiative”) and this applies to all regional committees and networks.

3. Operational Funding

- a. It was acknowledged that resources, including trust funds, are needed to support the implementation of the Committee of Expert’s work programme, support participation to meetings for developing countries, and undertake knowledge and capacity development. Following up on decisions from ECOSOC (resolution E/RES/2016/27), the Secretariat prepared a draft funding letter in support of the work of the Committee of Experts. The following are suggestions to bolster the Committee of Expert’s capacity to undertake its work programme.
 - i. Consider the possibility of convening a “Donor Day” by bringing potential donor organizations together to communicate the value proposition, and/or representatives from the Committee of Experts attend and solicit support at events convened by donors and development organizations.
 - ii. An appeal is to be made to Member States to provide in-kind contributions through sabbaticals, secondments, fellowships, etc.
 - iii. Explore the possibility of the Private Sector and Academic Networks funding to support events and participation, and also the creation of funding ‘consortiums’.

4. Capacity Development

- i. Sabbaticals, secondments, fellowships to the Secretariat for extended period of time should be encouraged and further explored.
- ii. The Secretariat is requested to explore how to infuse “geospatial” into the JPO program administered by DESA.
- iii. The Bureau welcomed UNSD’s initiative and support to update the current UN-GGIM website that will incorporate a single repository for documents including those that are held within the “knowledge base”.



5. Implementation

- i. Following discussions on capacity development the question asked of the Bureau was “Does UN-GGIM carry out implementation, considering that it is a peak inter-governmental mechanism primarily concerned with global policy and strategy?”
- ii. It was agreed that UN-GGIM as the peak inter-governmental mechanism should primarily concern itself with global policy and strategy, global norm setting, concepts and frameworks and global principles and standards. Implementation can be a very local matter and hence more feasible via Regional Committees “Plans of Action” that can take global outcomes down to regional, sub-regional and local levels.

VI. Dates for the next Bureau Meeting

There was a general understanding that the UN-GGIM Bureau meets face-to-face once a year and all other meetings shall be virtual, preferably via WebEx.

The next meeting will be in March/April 2017 and will primarily focus on preparations for the seventh session of the Committee of Experts.



APPENDIX I LIST OF PARTICIPANTS

Burkina Faso

1. Mr. Abdoulaye Belem
Director General
Geographic Institute of Burkina

Chile

2. Mr. Alvaro Monett
Secretaría Ejecutiva SNIT
IDE-Chile

China

3. Dr. LI Pengde
Deputy Director General
National Administration of Surveying, Mapping and Geoinformation of China
4. Ms. JIANG Xiaohong
Deputy Director General
Department of Science, Technology and International Cooperation
National Administration of Surveying, Mapping and Geoinformation of China
5. Mr. BAI Zhendong
Assistant Division Director
Dept. of Planning and Finance
National Administration of Surveying, Mapping and Geoinformation

Ethiopia

6. Mr. Sultan Mohammed Alya
Director General
Ethiopian Mapping Authority

Mexico

7. Mr. Rolando Ocampo
Vice President
National Institute of Statistics and Geography (INEGI)

USA

8. Mr. Timothy Trainor
Chief Geospatial Scientist
U.S. Census Bureau

Saudi Arabia

9. Mr. Saad Al Hamlan
General Manager



Geospatial Information Center
General Commission for Survey

Sweden

10. Mr. Bengt Kjellson
Director General
The Swedish Mapping, Cadastral and Land Registration Authority

Academic Network

11. Prof. Abbas Rajabifard
Head, Department of Infrastructure Engineering
Director, Centre for SDIs and Land Administration

Private Sector Network

12. Mr. Sanjay Kumar
Chief Executive of GIS Development
Geospatial Media and Communications Pvt. Ltd.

UN-GGIM Secretariat

1. Cecille Blake
2. Vilma Frani
3. Ayako Kagawa
4. Guillaume Le Sourd
5. Stefan Schweinfest
6. Greg Scott
7. Chee Hai Teo



APPENDIX II

2017 Calendar of Events for Information

UN-GGIM meetings and related events

Other international events

DECEMBER 2016

<i>12-14 December</i>	IAEG-SDGs Working Group on Geospatial Information	Mexico City
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JANUARY

<i>15-18 January</i>	UN World Data Forum	Cape Town, South Africa
<i>21-25 January</i>	Geospatial World Forum	Hyderabad, India

FEBRUARY

<i>21-23 February</i>	UN-GGIM: Arab States 4th Plenary Meeting	Doha, Qatar
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MARCH

<i>7-10 March</i>	UN Statistical Commission	New York
<i>14-15 March</i>	UN-GGIM Expert Group on Land Administration and Management	Delft, The Netherlands
<i>14-16 March</i>	WorldCover 2017 Conference	Rome, Italy
<i>20-24 March</i>	World Bank Land & Poverty Conference	Washington DC, USA

APRIL

<i>3-6 April 2017</i>	UN-GGIM: Americas 4 th Session and the Latin America Geospatial Forum	Santiago, Chile
<i>3-6 April 2017</i>	International Digital Earth Symposium and Locate17 (incl. UN-GGIM Asia-Pacific Bureau meeting)	Sydney, Australia

MAY

<i>8-12 May 2017</i>	37th International Symposium on Remote Sensing of Environment	Tshwane, South Africa
<i>9-12 May 2017</i>	Association for Geographic Information Laboratories in Europe (AGILE)	Wageningen, The Netherlands
<i>10-12 May 2017</i>	Kunming Forum on United Nations Global Geospatial Information Management	Kunming, China
<i>29 May – 2 June, 2017</i>	FIG Working Week 2017	Helsinki, Finland

JUNE

<i>June 2017</i>	UN-GGIM: Europe 4 th Plenary Meeting	Brussels, Belgium
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JULY

<i>2-7 July 2017</i>	International Cartographic Conference	Washington DC
<i>2-6 July 2017</i>	Cambridge Conference	United Kingdom
<i>10-14 July 2017</i>	Esri User Conference	San Diego, USA
<i>11-14 July 2017</i>	Geo4Africa Summit 2017	Kampala, Uganda
<i>29-30 July 2017</i>	UN-GGIM-AP/ FIG/IAG/JFS Technical Seminar on Reference Frames in Practice	Kobe, Japan

AUGUST

<i>2-4 August 2017</i>	Seventh Session of UN-GGIM	New York
<i>7-18 August 2017</i>	30th Session of UNGEGN and 11th Conference on the Standardization of Geographical Names (UNCSGN)	New York
<i>August 2017</i>	GeoSmart Asia 2017	Kuala Lumpur, Malaysia

SEPTEMBER

<i>4-7 September 2017</i>	GeoComputation 2017	Leeds, United Kingdom
<i>18-22 September 2017</i>	ISPRS Geospatial Week	Wuhan, China

OCTOBER

<i>17-19 October 2017</i>	Sixth UN-GGIM-AP Plenary	Kumamoto City, Japan
<i>26-27 October 2017</i>	GEO-XIV Plenary	Washington DC, USA

NOVEMBER

<i>28-30 November 2017</i>	Fifth UN-GGIM High Level Forum	Mexico City, Mexico
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