



**UN-GGIM**  
UNITED NATIONS  
COMMITTEE OF EXPERTS ON  
GLOBAL GEOSPATIAL  
INFORMATION MANAGEMENT

**FOURTH MEETING OF THE EXPERT GROUP ON LAND ADMINISTRATION AND MANAGEMENT  
and International Seminar on United Nations Global Geospatial Information Management  
with the theme 'effective land administration'**

16 – 20 May 2022

Singapore

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## Concept Note and Provisional Programme

### Background

The United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) at its tenth session, held virtually on 26 and 27 August and 4 September 2020, in making [decision 10/107](#), adopted the [Framework for Effective Land Administration \(FELA\)](#) with nine pathways aligned to the nine strategic pathways of the [United Nations Integrated Geospatial Information Framework \(IGIF\)](#). FELA seeks to provide the reference and guidance for Member States with regard to administering the relationships between people and land, and an overarching policy guide supporting the achievements of the Sustainable Development Goals (SDGs) for both developing and developed countries. UN-GGIM further noted that transparent and secure land and property rights for all is a crucial component for a socially, environmentally and economically sustainable society.

At its eleventh session, UN-GGIM in making [decision 11/107](#), urged the Expert Group on Land Administration and Management (EG-LAM) to further consider the increased and complex range of rights, restrictions and responsibilities associated with land; the increasingly digital and mobile access to land information; the integration of building information modelling and the cadastre; and the cybersecurity and data security mechanisms needed to protect vital land information assets. UN-GGIM also noted that the Expert Group planned to convene a formal meeting, together with an international seminar on effective land administration, when global conditions permit.

Land administration relates people to land and informs on the 'how', the 'what', the 'who', the 'when' and the 'where' of land tenure, land use, land value, and land development. Land administration systems are the basis for recording the complex range of rights, restrictions and responsibilities related to people, places, and policies.

### *Implementing the Framework for Effective Land Administration*

Effective land administration must be fit-for-purpose, appropriate and adequate, interoperable, sustainable, flexible, inclusive, and able to accelerate efforts to document, record, recognize, and monitor people to land relationships in all forms. Effective land administration provides humanity with better access to and security of land and property rights and leaving no one behind - the commitment of the 2030 Agenda for Sustainable Development. The FELA embraces a plurality of tenure types, globally agreed concepts and approaches, promotes the use of applicable internationally agreed standards, and recognized the need to respect the inherent rights of indigenous peoples to their lands, territories, and resources, as well as traditions and customs.



UN-GGIM appreciated the EG-LAM utilization of the Implementation Guide of the IGIF as a reference resource when considering guidance to implement the FELA at the country level and in this regard, also noted contributory efforts of the EG-LAM to support the implementation of the IGIF. UN-GGIM, also at the eleventh session, noted the initial consideration of the five key elements for implementing the FELA at the country level, to translate concepts into practical guidance, and that the focus of those elements should include: modalities for sharing and exchanging knowledge, information and experiences, including relevant use cases, practices and examples; an assessment mechanism that considers the nine pathways of the FELA and national circumstances of Member States; and appropriate collaborative efforts with regional committees, functional and thematic groups of UN-GGIM and relevant international stakeholders.

### *Geospatially enabled Building Information Modelling (BIM)*

At the tenth session, UN-GGIM noted that the IGIF provided a coherent mechanism to raise awareness and advocacy and facilitate communication and collaboration between the maritime, terrestrial and cadastral domains and this included the built environment. At the eleventh session, the EG-LAM was requested, in its consideration on implementing the FELA, study the integration of building information modelling (BIM) and the cadastre from the technical and organizational aspects.

In March 2020, the United Nations Statistics Division, as the Secretariat of UN-GGIM, agreed to collaborate with the World Federation of Engineering Organizations (WFEO) and the World Geospatial Industry Council (WGIC) to address challenges in the adoption of integrated geospatial and BIM solutions for the SDGs. The initial joint collaboration was to develop a [white paper](#) that was launched on 9 July 2020 at a dedicated side event during the United Nations High Level Political Forum. The paper gives an overview and assessment of the geospatial and BIM technology ecosystem with specific focus on resilient infrastructure. It also addresses challenges in the adoption of integrated geospatial and BIM solutions.

## **Expert Group Meeting and International Seminar**

### *Singapore meeting of the Expert Group on Land Administration and Management*

The EG-LAM met in person in April 2016 in Addis Ababa, Ethiopia, from 14 – 15 March 2017 in Delft, the Netherlands and on 26 and 29 September 2018 in Deqing, China. The last meeting included the Deqing International Seminar on United Nations Global Geospatial Information Management with the theme “effective land administration”.

The Fourth Meeting of the United Nations Expert Group on Land Administration and Management is a closed meeting, by invitation only, allows members of the Expert Group together with invited experts to review, consider and discuss its progress to-date, follow through on the guidance and decisions of UN-GGIM, and in particular, its ongoing consideration to translate concepts into practical guidance for the implementation of the FELA at the country level. It facilitates peer-to-peer exchange of information, experience and practices, affords networking whilst attending to the business and activities of the EG-LAM.

### *Meeting of the Executive Board of UN-GGIM-AP*

Within the programme of the Expert Group Meeting and International Seminar, the Government of Singapore through the Singapore Land Authority will host the 2022 meeting of the Executive Board of UN-GGIM-AP.

### *International Seminar on Effective Land Administration*

The International Seminar on United Nations Global Geospatial Information Management with the theme 'effective land administration' will provide a forum for deliberating key considerations for effective land administration including translating concepts into practical guidance for Member States when implementing the FELA. The International Seminar seeks to share and exchange knowledge, information and experience; facilitate peer-to-peer engagement and learning; interact and consider guidance, recommendations, standards and approaches towards effective land administration for the wellbeing of society, environment and economy.

The International Seminar will have an agenda that promotes active interactions, sharing and exchanges with presentations addressing a number of identified sub-themes, including the increased and complex range of rights, restrictions and responsibilities associated with land; the integration of building information modelling and the cadastre; the increasing digital and mobile access to land information; cybersecurity and data security mechanisms to protect vital land information assets; utilization of the Implementation Guide of the IGIF as a reference resource; together with key elements for implementing the FELA at the country level.

### **Organizers**

The United Nations Global Geospatial Information Management Section, Statistics Division, Department of Economic and Social Affairs and the Government of Singapore through the Singapore Land Authority will jointly organize the Expert Group Meeting and International Seminar together with the United Nations Expert Group on Land Administration and Management. The International Seminar is supported by the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP).

The week before, from 9 – 13 May 2022, the Government of Singapore through its Maritime and Port Authority will be hosting the third expert meeting of the United Nations Working Group on Marine Geospatial Information and the International Seminar on United Nations Global Geospatial Information Management with the theme 'effective and integrated marine geospatial information' (<https://ggim.un.org/meetings/2022/3rd-WG-MGI>). This five day event includes the thirteenth meeting of the Marine Spatial Data Infrastructure Working Group of the International Hydrographic Organization and the 2022 annual meeting of the Marine Domain Working Group of the Open Geospatial Consortium.

## Language

The Expert Group Meeting and International Seminar will be conducted in English.

## Participation

The Singapore meeting of the United Nations Expert Group on Land Administration and Management is a closed meeting and participation is by invitation only. The International Seminar on United Nations Global Geospatial Information Management with the theme 'effective land administration' on 17 and 19 May 2022 is open to participants from governments, United Nations system, international organizations, the private sector, academic and research institutions and civil societies. However, request and registration of participation will be required. The meeting of the Executive Board of UN-GGIM-AP is also a closed meeting and participation is by invitation only.

## Travelling to Singapore

All travellers to Singapore aged two and above should take a pre-departure COVID-19 Polymerase Chain Reaction (PCR) test or an Antigen Rapid Test (ART) test as may be required. Please refer to the updated [Information - Travel methods for Singapore](#) for details.

Attendees are to obtain entry visa (if applicable), purchase travel insurance, secure a self-isolation accommodation, download the Trace-together application, and submit their Health Declaration and Digital Vaccination Certificate before departing for Singapore. Please refer to the tables and links below for more details.

## Health and Safety

For a safe meeting environment, prevailing local government measures related to the coronavirus disease (COVID-19) pandemic at the time of the meeting shall apply. This may include requirements for pre-departure negative result of a PCR or an Antigen Rapid Test that are professionally administered within 2 days before departure for Singapore. If you are symptomatic on arrival, you may be directed to take a COVID-19 test. Access to the meeting and International Seminar venue is also subject to prevailing local government measures and may only be possible with a valid COVID-19 certificate of full vaccination.

## Provisional Programme

The programme at a glance is as follows –

	<b>MONDAY 16 MAY</b>	<b>TUESDAY 17 MAY</b>	<b>WEDNESDAY 18 MAY</b>	<b>THURSDAY 19 MAY</b>	<b>FRIDAY 20 MAY</b>
<b>MORNINGS</b>	Fourth expert meeting of EG-LAM (by invitation only)	<a href="#">International Seminar on Effective Land Administration</a>	Fourth expert meeting of EG-LAM (by invitation only)	<a href="#">International Seminar on Effective Land Administration</a>	Fourth expert meeting of EG-LAM (by invitation only)
<b>AFTERNOONS</b>	UN-GGIM-AP Executive Board meeting (by invitation only <sup>1</sup> )	<a href="#">International Seminar on Effective Land Administration</a>	Technical study visit (by invitation only)	<a href="#">International Seminar on Effective Land Administration</a>	Fourth expert meeting of EG-LAM (by invitation only)

The outline programme is as follows –

Monday 16 May 2022	Expert meetings (Day #1)	
	08:30 a.m. – 12:30 p.m.	<ul style="list-style-type: none"> <li>❖ Fourth Meeting of the United Nations Expert Group on Land Administration and Management<sup>2</sup> <ul style="list-style-type: none"> <li>➢ Welcome and introductions</li> <li>➢ Provisional agenda, organization of the meeting and setting-the-scene</li> <li>➢ Review of the decisions and guidance and other highlights from the Committee of Experts</li> <li>➢ Review of the work plan and accomplishments</li> </ul> </li> </ul>
	14:00 p.m. – 18:00 p.m.	<ul style="list-style-type: none"> <li>❖ 2022 meeting of the Executive Board of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific <ul style="list-style-type: none"> <li>➢ Welcome and provisional agenda</li> <li>➢ Review of activities and accomplishments of the regional committee during the preceding period and next steps</li> <li>➢ Highlights from the programme of work of UN-GGIM including the reporting to ECOSOC on the implementation of E/RES/2016/27</li> <li>➢ Eleventh plenary meeting of UN-GGIM-AP</li> </ul> </li> </ul>

<sup>1</sup> Co-Chairs of the Expert Group on Land Administration and Management and Working Group on Marine Geospatial Information are invited.

<sup>2</sup> Members of the Executive Board of UN-GGIM-AP are invited to contribute and participate in the Fourth meeting of the Expert Group on Land Administration and Management

Tuesday 17 May 2022	International seminar (Day #1)	
	09:00 a.m. – 13:00 p.m.	<ul style="list-style-type: none"> <li>❖ Joint official opening ceremony for the International Seminar, the 2022 meeting of the Executive Board of UN-GGIM-AP and the Fourth Meeting of EG-LAM</li> <li>❖ Plenary Session #1 – Effective land administration for wellbeing of society, environment and economy</li> </ul>
	14:30 p.m. – 18:00 p.m.	<ul style="list-style-type: none"> <li>❖ Plenary Session #2 - Rights, restrictions and responsibilities for secure land and property rights</li> <li>❖ Plenary Session #3 – Availability and accessibility of reliable, timely and quality land information and data security</li> </ul>
Wednesday 18 May 2022	Expert meetings (Day #2)	
	08:30 a.m. – 12:30 p.m.	<ul style="list-style-type: none"> <li>❖ Fourth Meeting of the United Nations Expert Group on Land Administration and Management<sup>3</sup> <ul style="list-style-type: none"> <li>➢ Highlights and outcomes <ul style="list-style-type: none"> <li>▪ Engagement with the Executive Board of UN-GGIM-AP</li> <li>▪ International seminar on effective land administration</li> </ul> </li> <li>➢ Review of the objective, work and tasks before the Expert Group <ul style="list-style-type: none"> <li>▪ Addressing the increased and complex range of rights, restrictions and responsibilities associated with land</li> <li>▪ Addressing the increasingly digital and mobile access to land information; issue cybersecurity and data security mechanisms to protect vital land information</li> <li>▪ Robust and sound policy and legal frameworks for effective land administration including issues related to authoritative land information</li> <li>▪ The integration of building information modelling and the cadastre</li> <li>▪ Consideration on the integration of the maritime, terrestrial and cadastral domain</li> </ul> </li> </ul> </li> </ul>
	14:00 p.m. – 19:00 p.m.	❖ Technical study visit organized by the Singapore Land Authority (by invitation only)
Thursday 19 May 2022	International seminar (Day #2)	
	09:00 a.m. – 13:00 p.m.	<ul style="list-style-type: none"> <li>❖ Plenary Session #4 - Integration of building information modelling and the cadastre</li> <li>❖ Plenary Session #5 – Integration of maritime, terrestrial and cadastral domains</li> </ul>
	14:30 p.m. – 18:00 p.m.	<ul style="list-style-type: none"> <li>❖ Plenary Session #6 – Key elements for implementing the Framework for Effective Land Administration at the country-level</li> <li>❖ Seminar summary and joint closing ceremony of the International Seminar and the meeting of the Executive Board of UN-GGIM-AP</li> </ul>

<sup>3</sup> Members of the Executive Board of UN-GGIM-AP are invited to contribute and participate in the Fourth meeting of the Expert Group on Land Administration and Management

Friday 20 May 2022	Expert meetings (Day #3)	
	08:30 a.m. – 12:30 p.m.	<ul style="list-style-type: none"> <li>❖ Fourth Meeting of the United Nations Expert Group on Land Administration and Management<sup>4</sup> <ul style="list-style-type: none"> <li>➤ Accomplishing the objective, work and tasks before the Expert Group, implementing the FELA at the country-level and next steps <ul style="list-style-type: none"> <li>▪ IGIF, the coherent mechanism to raise awareness, advocacy, collaboration and integration</li> <li>▪ Key elements to translate concepts to practical guidance - modalities for sharing and exchanging knowledge, information and experiences</li> <li>▪ Key elements to translate concepts to practical guidance - assessment mechanism that considers the nine pathways of the FELA and national circumstances of Member States</li> </ul> </li> <li>➤ Collaboration with regional committees, functional and thematic groups of UN-GGIM and relevant international stakeholders</li> </ul> </li> </ul>
	14:00 p.m. – 18:00 p.m.	<ul style="list-style-type: none"> <li>❖ Fourth Meeting of the United Nations Expert Group on Land Administration and Management<sup>5</sup> <ul style="list-style-type: none"> <li>➤ Key outcomes from the International Seminar and Fourth Meeting</li> <li>➤ Business of the Expert Group <ul style="list-style-type: none"> <li>▪ Review and updating the work plan</li> <li>▪ Reporting to the twelfth session of UN-GGIM</li> <li>▪ Leadership transition</li> <li>▪ Next meeting</li> </ul> </li> </ul> </li> <li>❖ Summary, next steps and close</li> </ul>

<sup>4</sup> Members of the Executive Board of UN-GGIM-AP are invited to contribute and participate in the Fourth meeting of the Expert Group on Land Administration and Management

<sup>5</sup> Members of the Executive Board of UN-GGIM-AP are invited to contribute and participate in the Fourth meeting of the Expert Group on Land Administration and Management

## Provisional agenda for the International Seminar on United Nations Global Geospatial Information Management with the theme 'effective land administration'

Tuesday 17 May 2022	International seminar (Day #1)	
	09:00 a.m. – 10:30 a.m.	❖ Joint official opening ceremony for the International Seminar, the 2022 meeting of the Executive Board of UN-GGIM-AP and the Fourth Meeting of EG-LAM
	10:30 a.m. – 11:15 a.m.	❖ Health break, refreshments and networking
	11:15 a.m. – 13:00 p.m.	❖ Plenary Session #1 – Effective land administration for wellbeing of society, environment and economy
	13:00 p.m. 14:30 p.m.	❖ Lunch break
	14:30 p.m. – 16:00 p.m.	❖ Plenary Session #2 - Rights, restrictions and responsibilities for secure land and property rights
	16:00 p.m. – 16:30 p.m.	❖ Health break, refreshments and networking
	16:30 p.m. 18:00 p.m.	❖ Plenary Session #3 – Availability and accessibility of reliable, timely and quality land information and data security
Thursday 19 May 2022	International seminar (Day #2)	
	09:00 a.m. – 10:45 a.m.	❖ Plenary Session #4 - Integration of building information modelling and the cadastre
	10:45 a.m. – 11:15 a.m.	❖ Health break, refreshments and networking
	11:15 a.m. – 13:00 p.m.	❖ Plenary Session #5 – Integration of maritime, terrestrial and cadastral domains
	13:00 p.m. 14:30 p.m.	❖ Lunch break
	14:30 p.m. – 16:00 p.m.	❖ Plenary Session #6 – Key elements for implementing the Framework for Effective Land Administration at the country-level
	16:00 p.m. – 16:30 p.m.	❖ Health break, refreshments and networking
	16:30 p.m. - 17:15 p.m.	❖ Closing session and Seminar summary
17:15 p.m. - 18:00 p.m.	❖ Closing ceremony of the International Seminar	

(24 March 2022)