

Agenda of the International Conference is as below:

DAY 1 (24th March 2025, Monday)

Inaugural Session

9 am – 9:30 am	Registration	
Time	Session	Speakers
9:30 AM - 9:35 AM	Opening remarks	Director, Haryana Institute of Public Administration
9:35 AM - 9:40 AM	Welcome address	Joint Secretary, Ministry of Panchayati Raj
9:40 AM – 9:50 AM	Inaugural speech	Sh Hitesh Makwana, Surveyor General of India
9:50 AM – 10:00 AM	Drone Ecosystem in India	Sh Smit Shah, President, Drone Federation of India
10:00 AM – 10:10 AM	Introductory remarks	Sh Viraj Singh, Addl. Secretary, Ministry of External Affairs
10:10 AM – 10:20 AM	Key note address	Sh Sushil Kumar Lohani, Addl. Secretary, M/o Panchayati Raj
10:20 AM - 10:40 AM	Tea/Coffee Break-Networking	

Module 1: Modernization of Land Governance and Its Impact

Time	Session	Speakers
10:40 AM – 11:00 AM	Brief on Land Laws/Acts and administrative System	Sh B K Agarwal Chief Secretary (Retd) Himachal Pradesh
11:00 AM – 11:20 AM	How Drone-based Land Survey Impacted Land Administration	Sh S. Chockalingam chief electoral officer (CEO), Maharashtra
11:20 AM – 11:40 AM	SVAMITVA Scheme overview + Short movie on SVAMITVA Scheme	Sh Alok Prem Nagar Joint Secretary, MoPR
11:40 AM – 12 PM	Overview of drone-based land survey and its benefits	Sh Pardeep Singh, Deputy Surveyor General, Survey of

		India
12:00 noon – 12:15 PM noon	Interactive Session - Q&A	
12:15 PM – 1:30 PM	Lunch	

Time	Session	Speakers
01:30 – 03:30 PM	Presentations by the respective Countries about their Land Administration and Geographies- Governance, Systems, frameworks, best practices	Respective Countries
03:30 PM – 4:00 PM	Tea/Coffee Break-Networking	

Module 2: Resource Mobilisation and Administrative Tasks

Time	Session	Speakers
4:00 PM – 04:15 PM	<ul style="list-style-type: none"> Engaging the community and conducting awareness programs prior to surveys Steps for preparatory groundwork, including planning, Identification of Inhabited Land, logistical arrangements. <p><i>Session focuses on the importance of engaging local communities and conducting awareness programs to inform them about the survey process, its benefits, and their role in it, necessary preparatory steps before conducting surveys, including detailed planning, logistical arrangements, and resource allocation. Emphasis will be on creating a robust plan to ensure smooth execution.</i></p>	Smt. Manisha Trighatia, Commissioner & Secretary, Board of Revenue, Uttar Pradesh
04:15 PM – 04:25 PM	Interactive Session - Q&A	

Classroom demonstration of Drones

Time	Session	Speakers
4:25 PM – 4:40 PM	Demonstration of drones and various use cases. Adaptability of drones in different weather conditions	Survey of India
4:40 PM – 5:05 PM	Interaction sessions with drone vendors	Drone vendors
05:05 PM – 05:15 PM	Quiz on sessions	
05:15 PM	Tea/Coffee Break-Networking	

DAY 2 (25th March 2025, Tuesday)

Module 3: Pre-Survey activities for drone-based Land Survey		
09:30 AM – 10:10 AM	<p>Training programs and capacity-building initiatives for survey teams</p> <p><i>These are crucial for the success of the survey. This session will detail the training modules, skill enhancement programs, and capacity-building activities designed for survey teams to ensure accuracy and efficiency.</i></p>	Sh Pankaj Mishra, DSG, Survey of India
10:10 AM – 10:20 AM	<p>Setting up of GCPs ,creation of KML files and limestone marking of Properties</p> <p><i>Brief overview of KML files, their importance, and applications in land administration</i></p> <p><i>Step-by-Step Guide to Creating KML Files</i></p> <p><i>Detailed demonstration on how to create KML files using appropriate software and tools (Google Earth, QGIS)</i></p>	

Classroom demonstration of Setting of GCP and creation of KML file

Time	Session	Speakers
10:20 AM – 10:40 AM	<p>Demonstration of Setting GCP/ utilisation of CORS network.</p> <p>Creation of KML file</p> <p>Best Practices to be adopted for limestone marking of Properties</p>	Sh Pankaj Mishra, DSG, Survey of India
10:40 AM – 10: 50 AM	Interactive Session - Q&A	
10:50 AM – 11:15 AM	Tea/Coffee Break – Networking	

Module 4: Survey and Post-Survey Activities

Time	Session	Speakers
11:15 AM - 11:45 AM	Drone-based survey	Sh. Rajeev Srivastav,

	<i>Presentation of Survey Grade Drones, suitability and selection of drones based on terrain and environment</i>	Director, Arunachal & Meghalaya GDC, Survey of India
11: 45 AM – 12:30 PM	Data Acquisition Techniques <i>Methods and technologies used for collecting field data and Meta data, including the use of GPS, GIS, and other survey tools, Flight plan preparation based on KML files</i>	. ShSandeep Srivastava Director, NGDR, Survey of India
	Data Processing and Validation <i>Techniques for processing and validating collected survey data to ensure accuracy and reliability and integration with existing land records</i>	
12:30 AM - 01:00 PM	Interactive - Q&A Session	
01:00 AM – 02:00 PM	Lunch	

Classroom demonstration of Maps

Time	Session	Speakers
02:00 PM – 02:40 PM	Demonstration of Ortho rectified images Intermediate drone maps Feature Extracted Maps Final Maps	Sh Sandeep Srivastava Director, NGDR, Survey of India
02:40 PM – 03: 00 PM	Interactive Session - Q&A	
03:00 PM- 03:10 PM	Quiz on sessions	
03:00 PM – 03:30 PM	Tea/Coffee Break – Networking	

DAY 3 (26th March 2025, Wednesday)

Time	Session	Speakers
10:00 AM – 11:30 AM	Demonstration of Flight Planning and Drone Survey in a nearby village	Sh Sanjay Joshi, Officer Surveyor, PHC GDC, Survey of India
12:00 PM onwards	Departure to visit historical places in Agra (One Day Tour)	

Day 4 (27th March 2025, Thursday)

Visit to the Historical Place
Departure to Delhi in Evening

DAY 5 (28th March 2025, Friday)

Classroom demonstration of Application-based Ground Verification and Final Map Generation

Time	Session	Speakers
09:30 AM – 11:00 AM	Technology demonstration for Ground verification <i>Display of Ground verification application by the States. Discussion of use cases of technology utilized.</i>	Sh Vivek Porwal, Principal Secretary, Revenue, Madhya Pradesh
	1. SAARA Mobile app 2. MahaSVAMITVA web-based - Maharashtra	Sh N K Sudhansu DG, YASHADA
	Finalization of Maps and Property Cards <i>Correction and Publication of final maps, Methodology, Dispute Settlement process involved, regulatory requirements</i>	Sh Vivek Porwal, Principal Secretary, Revenue, Madhya Pradesh
11:00 AM – 11:30 AM	Tea/Coffee Break – Networking	

Module 6: Utilities of High-Resolution Drone Survey Maps and Data

Time	Session	Speakers
11:30 AM – 12:30 PM	GIS integration -Use of GIS technology in creating accurate land records under the SVAMITVA scheme.	Sh Udaya Kumar, DDG, NIC-GIS
12:30 PM – 01:00 PM	Demonstration of Thane PoC -Presenting the Proof of Concept (PoC) of SDG monitoring through the use of SVAMITVA data undertaken by MoPR.	Sh Vipul Singh, Founder, Aereo
01:00 PM - 02:00 PM	Lunch	

Module 7: Use of Technology

Time	Session	Speakers
02:00 PM – 02:30 PM	The use of CORS for accurate and real-time land survey and future updates using Rovers.	Sh Pardeep Sigh, Dy. Surveyor General (Tech) Survey of India
02:30 PM – 03:30 PM	Importance Consideration with property Card and integration with other departments like registration, revenue courts, etc	Settlement Commissioner Maharashtra
03:30 PM – 03: 45 PM	Q&A Session	

03:45 PM – 03:55 PM	Quiz on sessions
03:55 PM	Tea/Coffee Break – Networking

CULTURAL PROGRAM

4:30 PM - 6:30 PM	Cultural Program
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Day 6 (29th March 2025, Saturday)

Time	Session	Speakers
09:00 AM – 11:15 AM	Presentations by the respective Countries about their Land Administration and Geographies and take away from the workshop	Respective Country
11:15 AM – 11:30 AM	Tea/Coffee Break – Networking	

Valedictory Session

11:30 AM - 11:45 AM	Concluding Remarks	Secretary, MoPR
11:45 PM - 12:00 PM	Vote of Thanks	Joint Secretary, MoPR
12:00 PM onwards	Visit to Survey of India lab in Delhi and proceed for Local tour	

DAY 7 (30th March 2025, Sunday)

Departure

A detailed list of participating countries is attached.

S.No	Country	Nomination
1	Turkmenistan	2
2	Columbia	1
3	Zimbabwe	3
4	Fiji	2
5	Mali	2
6	Lesotho	2
7	Republic of Sierra Leone	2
8	Venezuela	4
9	Mongolia	2
10	Tanzania	2
11	Uzbekistan	3
12	Equatorial Guinea	2
13	Kiribati	2
14	Sao Tome and Principe	2
15	Liberia	3
16	Ghana	2
17	Republic of Armenia	1
18	Honduras	1
19	Eswatini	1
20	Cambodia	2
21	Togolese Republic (Togo)	2
22	Papua New Guinea	1
TOTAL		44

Drone Vendors

It is expected that 10 Drone Vendors will set up stalls on 24th-March-25th March-25 at HIPA, Haryana.