



Second Pre Event Organized By



Geo-Enabling The Global Village

Pre Event leading to the Second United Nations World Geospatial Information Congress

Monday 18 April 2022 | 9h30 to 17h00 Tuesday 19 April 2022 | 9h30 to 13h00 (Virtual Event)

The United Nations Committee of Experts on Global Geospatial Information Management (GGIM) residing under the Statistics Division of United Nations Economic and Social Council (ECOSOC) organizes the World Geospatial Information Congress (UN-WGIC) once every four years bringing together member states of the UN-GGIM, experts in the field of geospatial technologies and its various application domains, commercial geospatial sector, academia and researchers and practitioners from across the globe.

India is the proud host of the Second UN-WGIC scheduled for 10-14 October 2022 in Hyderabad being organized by the United Nations and the Department of Science and Technology, Government of India which is the nodal agency for hosting the Congress, the theme being 'Geo-enabling The Global Village'.

About The Pre Event

Through a series of **virtual pre-events**, DST intends to collect and collate various ideas and resource materials including applications and innovations in the field of geospatial information generation to highlight the vibrant Indian geospatial ecosystem.

The Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune is conducting the second pre event in the run up to the Congress in collaboration with the DST, GOI.

Program

Time (hrs)	Stakeholder	Details
DAY 1: 18 APRIL 2022		
930 –1130 hrs	Government	Showcase use of geospatial technology in National and/or State level flagship programmes
1130-1330 hrs	Industry	Indian Geospatial industry's contribution to geo-enabling the Global Village, highlighting regional and local geospatial business ecosystem, national and global business opportunities
1400-1600 hrs	Research and Academia	Highlighting the geospatial knowledge and innovation taking place in India and bring forth the innovation and R&D capabilities with the Indian youth
DAY 2: 19 April 2022		
930 –1130 hrs	Civil Society	Share the applications of geospatial information and technologies in various grassroots level programs
1130-1330 hrs	Schools	Introduce the technology and existing programs to schools to enable them to undertake projects linking geospatial with sustainable schools

Components of the Congress

- Core sessions that will be designed and developed by the GGIM secretariat
- Exhibition of national and international government organisations, private industry, academia and research institutes, as well as civil society highlighting Indian geospatial ecosystem.

Second UNWGIC -A opportunity!!!

The Congress presents an apt opportunity to display the evolution of use of geospatial technology and proliferation in various mission mode programs at central, state and local levels; the innovation and research and development activities being undertaken in the domain; its role in transforming grassroots organisations and communities; the way the Indian geospatial commercial sector is creating strong economic value for national development, while also serving international clients.

Objectives Of The Pre Event

- To make the stakeholders of Indian Geospatial fraternity aware about Congress.
- Content building for highlighting the Indian Geospatial Ecosystem for Congress at National, State and regional levels.

To register, click on the link below:

https://us02web.zoom.us/webinar/register/WN_G7k4cdetTQuxFgH70uH7hA

Pre Event to the Second United National World Geospatial Information Congress

18-19 April 2022, Online Event

Organized jointly by

Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune and
National Geospatial Program, Department of Science and Technology, Government of India

Monday 18 April 2022	
9.30-10.00 hrs	Check in
10.0-10.30 hrs	Welcome Prof. Dr. Shamita Kumar <i>Vice Principal, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune</i> Inaugural Address Shri P.S. Acharya <i>Head National Geospatial Program, Department of Science and Technology, Government of India</i>
10.30-12.30	Session 1: Geospatial Governance Innovations/Initiatives in the Government Sector
10.30-12.30	Chair: Dr. Debapriya Dutta <i>Associate Head, National Geospatial Program, Department of Science and Technology and Head SEED, Department of Science and Technology, Government of India</i> Co-Chair: Dr. Shirishkumar Ravan <i>Senior Programme Officer, United Nations Office of Outer Space (UNOOSA)</i>
	Geospatial Services in Governance <i>Shri N Vishnu Chandra</i> <i>Deputy Director General and Head of group Geospatial Technology and Service Division, NIC, Pune</i>
	CSCAF in Monitoring Urban Green Spaces <i>Shri Anshul Abbasi</i> <i>Senior Associate, Climate Centre for Cities, NIUA</i>
	Mapping for MGNREGA <i>Shri Arul Raj</i> <i>Programme Manager, National Remote Sensing Centre (NRSC), ISRO, Balanagar, Hyderabad</i>
	C-DAC's Geomatics Solutions <i>Dr. Manoj Khare</i> <i>HoD - Emerging Solutions and e-Governance (ES&EG) Group, Pune</i>
	Role of Survey of India in Geo-Enabling The Global Village <i>Col. Sunil Fatehpore</i> <i>Director, Maharashtra and Goa GDC, Pune</i>
	Using Geospatial techniques in Urban Governance: Pune Municipal Corporation <i>Mr. Mangesh Dighe, Environment Officer Pune Municipal Corporation</i> <i>Rahul Jagtap, Head GIS Cell, Pune Municipal Corporation</i>
	Discussion
12.30-14.30	Geospatial Innovations/Initiatives in the Industrial Sector
	Chair: Shri Rajesh Mathur <i>Advisor, ESRI India Technologies Ltd.</i> Co-chair: Prof. Dr. Shamita Kumar <i>Vice Principal, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune</i>

	<i>Rooftop Solar Potential Estimation using LiDAR Technology at City Scale and Mobile App at Local Scale</i> <i>Dr. Bharat Lohani</i> <i>Co-founder, Geokno Pvt Ltd. Kanpur</i>
	<i>Geospatial Industry projects impacting SDGs</i> <i>Mr. Dhruva Rajan</i> <i>Senior Director, GeoSpoc</i>
	<i>The future of Geospatial AI: How Geospatial Artificial Intelligence Will Change the World</i> <i>Dr. V S S Kiran</i> <i>Garudalytics Pvt Ltd., Hyderabad, Telangana</i>
	<i>Adding value with GIS for sustainability</i> <i>Ms. Rakhi Ojha,</i> <i>GIS Project Associate, Prakhoj Pvt Ltd., Bengaluru, Karnataka</i>
	<i>Enabling Sustainability using our Satellite Imagery</i> <i>Shri Pranit Mehta,</i> <i>Vice-President, Business Development, GalaxEye Space Pvt</i>
	<i>Leveraging disruptive technologies to provide actionable insights and decision support</i> <i>Mr. Amit Mishra</i> <i>Vice President, Vassar Labs Pvt Ltd, Bengaluru, Karnataka</i>
	Discussion
14.30-16.30 hrs	Geospatial Innovations/Initiatives in the Academic Sector
	Chair: Prof. Dr. K.C. Tiwari Professor, Delhi technological Univeristy and National Geospatial Chair Professor Co-chair: Prof. Dr. RAAJ Ramsankaran, Associate Professor , Department of Civil Engineering, IIT Bombay
	<i>3D City GML Building Modelling From Lidar Point Cloud Data</i> <i>Dr.A. M Ramiya, Assistant Professor, Indian Institute of Space Science and Research, Thiruvananthapuram</i>
	<i>Hyperspectral technologies for land and marine applications</i> <i>Prof. Dr. K V Kale</i> <i>Vice Chancellor, Babasaheb Ambedkar Technological University, Lonere, Maharashtra</i>
	<i>Community engagement for Geospatial technology enablement</i> <i>Dr. Sumit Sen</i> <i>Sr Scientist at GISE Hub, IIT Bombay</i>
	<i>Education for Sustainable Development through a geospatial approach: A case stud of University of Mumbai</i> <i>Dr. Aparna Phadke</i> <i>Associate Professor, Department of Geography, University of Mumbai</i>
	<i>Electoral Information System for Governance and Developmental Planning: A G-Governance initiative</i> <i>Dr. Seema Jalan, Shailesh Chaure and Urmi Sharma</i> <i>Department of Geography, Mohanlal Sukhadia University, Udaipur</i>
	<i>Water Resources Management and Sustainable Development Goals - Role of Geospatial Technology</i> <i>Dr. Suraj Kumar Singh, Faculty, Centre for Sustainable Development, Suresh Gyan Vihar University, Jaipur</i>
	Discussion

Tuesday 19 April 2022	
9.30-10.00 hrs	Check in
10.00-12.00 hrs	Geospatial Innovations/Initiatives in Civil Society
	<p>Chair : Dr.Shamita Kumar <i>Vice Principal, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune</i></p> <p>Co –Chair: Dr. Shobha Pandey Scientist D, National Geospatial Program, Department of Science and Technology, Government of India</p>
	<p><i>Geospatial data driven sustainable solutions</i></p> <p><i>Smita Kale</i> M&E & GIS team manager, Shelter Associates, Pune</p>
	<p><i>Using GIS in Watershed Management</i></p> <p><i>Vijay Solanky</i> Senior Researcher, Geo-informatics, WOTR, Pune</p>
	<p><i>Natural Asset Map of Nagpur Municipal Corporation</i></p> <p><i>Dr. Monalisa Sen</i> Programme Coordinator- Biodiversity Team ICLEI-South Asia</p>
	<p><i>WebGIS in implementation of Community Forest Resource Rights</i></p> <p><i>Mr.Shiva Subramania</i> Web/Database coordinator, ATREE- Ashoka Trust for Research in Ecology and the Environment, Bangalore</p>
	<p><i>Landscapes Restoration Opportunities in India</i></p> <p><i>Dr. Pulakesh Das</i> Senior Project Associate, Sustainable Landscapes and Restoration, WRI</p>
	Discussion
12.00-14.00 hrs	Geospatial Innovations/Initiatives among Youth
	<p>Chair: Dr. Shubha Pandey Scientist D, National Geospatial Program, Department of Science and Technology, Government of India</p> <p>Co-chair: Dr. T.P. Singh Director, Symbiosis Institute of Geomatics, Pune</p>
	<p><i>Simulation of Urban Pluvial Flooding in Pune city</i></p> <p><i>Mayur Kumbhar ,</i> M.Sc student, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune</p>
	<p><i>Scenario based Urban Growth Simulation Model for Sustainable Urban Planning</i></p> <p><i>Dr. Lakshmi Kantakumar N.</i> Surveyor, Survey of India,Pune</p>
	<p><i>Unsupervised feature learning for mineral mapping of hyperspectral data</i></p> <p><i>Ms. Deepa C.,</i> PhD Scholar, NIT Suratkhal Karnataka</p>
	<p><i>Ecosystem Services Evaluation for Sustainable Development Goals using Geospatial Technology - A Case Study of Kashmir Valley, Western Himalayas, India</i></p> <p><i>Dr. Gowhar Meraj, Young Scientist Fellow, Ecology Environment & Remote Sensing, Government of Jammu and Kashmir</i></p>
	<p><i>Geospatial-aided planning for resilient urban green space networks: A demonstration in Mumbai</i></p> <p><i>Dr.Sathya Kumar V.,</i></p>

	<i>Assistant Professor- Research, SASTRA University, Thanjavur,</i>
	<i>School Bhuvan: An e-learning portal for school students</i> <i>Dr .Aparna Pandey</i> <i>Professor, NCERT, New Delhi</i>
	Sustainability in Schools: A pan India initiative to introduce Geospatial tools in schools for localising the SDGs <i>Prof. Dr. Shamita Kumar</i> <i>Vice Principal, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune</i>
	Discussion
14.00-14.15 hrs	Closing Remarks
	<i>Prof. Dr. Shamita Kumar</i> <i>Vice Principal, Bharati Vidyapeeth Deemed University, Institute of Environment Education and Research, Pune</i>

