



**Under the banner of  
Union of Geographic Information Technologists (UGIT)**  
14<sup>th</sup> UGIT's International Conference on

**GeoVision 2025:  
Geospatial Innovation for Climate Action, Disaster Resilience, and  
Environmental Sustainability**  
**December 19-20, 2025**

Hosted by the **Department of Geography & Geoinformatics, Bangalore University** under the banner of the UGIT, *GeoVision 2025* is a world-class international conference designed to spark dialogue, innovation, and collaboration across disciplines **during 19-20, December 2025**. **This event** serves as a premier global forum to advance discussion, research, and innovation at the intersection of geospatial sciences and sustainable development. The conference will convene scientists, researchers, policymakers, industry leaders, and practitioners from across the world to share knowledge, showcase technological breakthroughs, and build collaborative solutions to today's most pressing global challenges.

This landmark event focuses on: Climate Action – adaptation, mitigation, and pathways to a low-carbon future; Disaster **Risk Reduction and Resilience** – geospatial frameworks for risk reduction and preparedness; **Smart and sustainable urban planning**; Environmental Sustainability – spatial monitoring, modelling, and ecosystem management; Innovative Geospatial Solutions – AI, Remote Sensing, GIS, and digital governance for sustainable urban and rural systems. Set in the vibrant city of Bengaluru—India's technology and innovation hub, the conference offers a dynamic platform for knowledge exchange, international networking, and impactful partnerships. GeoVision 2025 envisions a world where geospatial intelligence drives climate-smart development, builds resilient communities, and fosters environmental stewardship for a sustainable future.

<b>Chief-Guest</b>	<b>Guest-of-Honour</b>	<b>Chief Patron</b>
<b>Dr. V. Narayanan,</b> Hon'ble Secretary, Dept of Space, Chairman, Space Commission & Chairman, ISRO Or	<b>Dr. M. C. Sudhakar,</b> Hon'ble Minister, Higher Education, Government of Karnataka	<b>Prof. S.M. Jayakara</b> Hon'ble Vice Chancellor, Bangalore University
<b>Dr. Rajasab A.H.</b> Chairman, Karnataka Science & Technology Academy (KSTA), Bengaluru	<b>Safi Ahsan Rizvi, IPS</b> Executive Director (ED), National Institute of Disaster Management (NIDM), New Delhi	<b>V. Rashmi Mahesh IAS</b> Principal Secretary to Revenue Department (Disaster Management), Bengaluru
<b>Prof. N. Nagaiah</b> Dean, Faculty of Science, Bangalore University, Bengaluru	<b>Dr. Ashok Hanjagi,</b> Convener & Chairman, Geography & Geoinformatics, Bangalore University	<b>Co Patron</b> <b>Smt. Shantala K.T.</b> <small>KAS Super Scale</small> Registrar, Bangalore University

<b>Organizing Secretaries</b>	
<b>Dr. Dashratha P. Angadi</b> Secretary, UGIT, Bengaluru	<b>Dr. Surendra P.</b> Treasurer, UGIT, Bengaluru

**Conference Venue: Dept of Geography & Geoinformatics, Bangalore University**

<b>Keynote Speakers @ Plenary Session</b>
<p><b>Dr. J. V. Thomas, Director, EDPO, ISRO</b>  <b>Dr. Rajeev Jaiswal, OSD, ISRO.</b>  <b>Dr. Ganesh Raj, Rt. ISRO Scientist</b>  <b>Prof. B.S. Daya Sagar, Head, Indian Statistical Institute (ISI), Bengaluru</b>  <b>Dr. Hobbar, Group Director, Regional Remote Sensing Centre (RRSC), ISRO</b>  <b>Dr. Rajesh V. Director, Karnataka State Remote Sensing Applications Centre (KRSRAC)</b>  <b>Dr. Anil Kulakarni, Distinguished Scientist, Divecha Centre for Climate Change, IISc, Bengaluru</b>  <b>Dr. M.N. Thimmegowda, Professor &amp; Head, Dept of Agro-Meteorology, UAS, Bengaluru</b>  <b>Prof. Sebastian Chirambatte Peter, New Chemistry Unit, School of Advanced Material, JNCAR, Bengaluru</b>  <b>Prof. Rajib SHAW, Graduate School of Media and Governance, Keio University, Shonan Fujisawa Campus (SFC), Japan</b>  <b>Prof. Graham Clarke, University of Leeds, UK</b>  <b>Prof. Martin J. Bunch, Faculty of Environmental Studies, York University, Toronto, Canada</b>  <b>Dr. Shabnam, International Project Coordinator, University of Salzburg   Department for Geoinformatics, GIS Salzburg, Austria</b></p>

## Objectives of the conference:

- **Promote Geospatial Innovations for Sustainability:** Showcase emerging tools, platforms, and best practices in geospatial technologies that drive environmental and climate-smart solutions.
- **Address Climate Change and Urban Resilience:** Explore spatial strategies for climate mitigation, adaptation, and building resilient urban environments using GIS and remote sensing.
- **Advance the Localization of SDGs:** Demonstrate how geospatial intelligence accelerates the tracking, evaluation, and realization of the Sustainable Development Goals.
- **Foster Interdisciplinary and Global Collaboration:** Bring together diverse stakeholders—scientists, technologists, urban planners, and policymakers—to co-create solutions to global challenges.
- **Showcase Smart City and Sustainable Urban Strategies:** Highlight global case studies and innovations integrating spatial technologies into sustainable infrastructure, transport, and public services.
- **Building Disaster Resilient Communities:** Explore new approaches to create awareness among vulnerable communities.
- **Build Capacity and Inspire Innovation:** Empower young researchers and professionals through skill-building technical sessions and interactive platforms for idea exchange.
- **Influence Policy and Evidence-Based Decision-Making:** Generate actionable insights and recommendations to guide climate, urban and environmental policy frameworks at all levels.
- **Promote Geospatial Literacy and Digital Inclusion:** Encourage the widespread adoption of geospatial thinking in education, governance, and community engagement for a more spatially enabled society.

Conference Sub-Themes	
<p> <b>Geospatial Innovation for Climate Action</b></p> <ul style="list-style-type: none"> <li>★ Geospatial Modelling of Climate Change Impacts</li> <li>★ Satellite-based Climate Monitoring and Early Warning Systems</li> <li>★ Heat Islands, Carbon Footprint, and Emission Mapping</li> <li>★ Climate-Induced Hazards and Risk Assessment</li> <li>★ Climate Adaptation and Mitigation</li> <li>★ Climate-smart agriculture &amp; Food security</li> </ul>	<p> <b>Sustainable Urban Futures &amp; Smart Cities</b></p> <ul style="list-style-type: none"> <li>★ Urban Planning and Management</li> <li>★ Urban Land Use, Growth Modelling and Infrastructure</li> <li>★ Urbanization and Urban Sprawl</li> <li>★ Socio-economic issues and challenges</li> <li>★ Urban Governance</li> <li>★ Urban Water Resource Planning &amp; Management</li> </ul>
<p> <b>Environment, Biodiversity &amp; Ecosystems</b></p> <ul style="list-style-type: none"> <li>★ Ecosystem Health Monitoring</li> <li>★ Biodiversity Conservation</li> <li>★ Soil Degradation, Desertification and Restoration</li> <li>★ Forest and Wetland Resources</li> <li>★ Environmental Pollution and Impact Assessment</li> <li>★ Solid Waste Management</li> </ul>	<p> <b>Disaster Risk Reduction &amp; Resilience</b></p> <ul style="list-style-type: none"> <li>★ GIS for Natural Disaster Mapping and Response</li> <li>★ Hazard Zonation and Vulnerability Assessment</li> <li>★ Community-Based Disaster Risk</li> <li>★ Real-Time Monitoring and Emergency Preparedness</li> <li>★ Resilient Infrastructure Planning</li> </ul>
<p> <b>Sustainable Development Goals (SDGs)</b></p> <ul style="list-style-type: none"> <li>★ Spatial Approaches to Localizing and Monitoring SDGs</li> <li>★ SDG Dashboards and Geoportals</li> <li>★ Urban-Rural Linkages</li> <li>★ Water-Energy-Food Nexus</li> <li>★ Gender and Inclusion</li> </ul>	<p> <b>Technological Frontiers in Geoinformatics</b></p> <ul style="list-style-type: none"> <li>★ AI/ML, Big Data &amp; Cloud Platforms in GIScience</li> <li>★ UAVs, Drones, and IoT for Real-Time Spatial Data</li> <li>★ Open-Source GIS and Citizen Science Applications</li> <li>★ 3D/4D Visualization and Spatial Simulations</li> <li>★ CyberGIS and High-Performance Spatial Computing</li> </ul>
<p> <b>Sustainable Water Resource Management</b></p> <ul style="list-style-type: none"> <li>★ Surface &amp; Groundwater Assessment</li> <li>★ Watershed Analysis</li> <li>★ Water Resource Management</li> <li>★ Rainwater Water Harvesting</li> </ul>	<p> <b>Soil Degradation and Conservation</b></p> <ul style="list-style-type: none"> <li>★ Soil Conservation and Landuse Planning</li> <li>★ Soil quality, agriculture and food security</li> <li>★ Soil Degradation Assessment</li> <li>★ Soil biodiversity – A Nature-based solutions</li> </ul>

## Expected Outcomes

1. **Knowledge Exchange and Interdisciplinary Learning:** Participants will gain exposure to cutting-edge research, real-world applications, and innovative methodologies in geospatial science, climate resilience, and sustainable development.
2. **Strategic Collaborations and Global Networking:** The conference will facilitate new partnerships among academia, government agencies, industry, and international organizations for collaborative research, innovation, and policy implementation.
3. **Policy Recommendations and Position Papers:** High-level panels and technical sessions will contribute to actionable policy briefs and recommendations on urban planning, environmental governance, disaster preparedness, and SDG localization.
4. **Capacity Building and Skill Development:** Workshops and hands-on training sessions will enhance technical capacity in geospatial technologies, fostering the growth of professionals, educators, and early-career researchers.
5. **Publication of Conference Proceedings and Special Issues:** Selected papers will be published in reputed journals and conference proceedings, contributing to the global knowledge based on geospatial science and sustainability.
6. **Empowerment of Youth and Inclusion of Marginal Voices:** Engagement of students, young researchers, and underrepresented groups in climate action and spatial thinking, promoting inclusive development and innovation.
7. **Roadmap for Institutional and Policy Integration:** Development of an institutional action plan for integrating geospatial tools into university curricula, urban governance, and environmental monitoring systems.

**Inaugural Session:** The Inaugural Session of *GeoVision 2025* will introduce the conference's objectives, vision, and themes, featuring welcome addresses, keynote speeches by leading experts from academia, industry, and policy-making on climate change, sustainable development, and geospatial innovation, and the official launch outlining the conference roadmap, objectives, and expected

outcomes. It will also include a special address on geospatial innovations driving the Sustainable Development Goals, along with brief audience interaction and introduction to the conference themes.

**Plenary Session:** The Plenary Sessions will feature high-level keynote speakers and global experts addressing climate action, urban sustainability, and geospatial technologies. Distinguished leaders will share insights on the transformative potential of geospatial solutions for a sustainable future, presenting advances in research, global climate policies, and urban innovations. A moderated discussion will follow, engaging the audience in dialogue on integrating these fields to achieve the Sustainable Development Goals and inspiring attendees to consider the broader impact of their work.

**Technical Session:** This will focus on presenting cutting-edge research, technological advancements, and case studies that demonstrate the application of geospatial technologies in solving real-world problems. These sessions are geared towards researchers, technologists, and practitioners, offering a deep dive into specialized topics. **Research Paper Presentations** by researchers and professionals on innovative solutions in various fields. **All articles will undergo double-blind peer review.** Selected abstracts / full papers will be invited for oral presentation in technical sessions and published free of cost in *UGC CARE-listed journals of UGIT*. **Best paper awards** with certificates will be given in each technical session. Registered participants will receive certificates and a conference kit.

**Poster Presentation:** This session will focus on explaining students research and case studies. Selected posters (as research articles) will be published free of cost in the *Geo-Eye Journal of UGIT*. **Awards** include 1st prize ₹5,000, 2nd prize ₹3,000, and 3rd prize ₹2,000, with certificates. **Note:** UG, PG and PhD students can submit the posters.

### Quiz

The UG, PG and PhD students will participate in well-organized quiz which will be conducted prior to the conference inaugural session. The students will get exposed to develop skills in main conference theme and sub-themes. The session will provide ideas and insights, helping attendees gain valuable knowledge in the practical application of various domains. The students will be honoured with cash prizes and citations at the valedictory ceremony. **Awards** include 1st prize ₹5,000, 2nd prize ₹3,000, and 3rd prize ₹2,000, with certificates.

**Panel Session:** The Panel Sessions will unite experts from academia, government, and industry to discuss critical issues in climate action, urban development, environmental sustainability, disaster management, and water and soil resources, with a focus on geospatial technologies. Highly interactive, these sessions will feature facilitated debates on the feasibility and impact of geospatial data for large-scale climate action, encourage audience engagement, and promote cross-sector collaboration. A few dedicated panel sessions by expert scientists will address various sub-themes, inspiring innovative geospatial solutions for sustainable development.

### Call for Research Articles and Posters

**GeoVision 2025** invites researchers, practitioners, and students to submit their abstracts and full-length research articles and posters for presentation at the conference. The submitted work should be related to the main theme of the conference or sub-theme and also should address the **Sustainable Development Goals (SDGs)**. *Submit your papers to the email: [geography@bub.ernet.in](mailto:geography@bub.ernet.in)*

Key Areas of Submission	
Climate Change and Resilience	Urban Futures & Smart Cities
Environment, Biodiversity & Ecosystems	Technological Frontiers in Geoinformatics
Disaster Risk Reduction and Resilience	Sustainable Water Resource Management
Sustainable Development Goals	Soil Degradation and Conservation

### Submission Guidelines

#### Research Articles:

Submissions must present original research or innovations (3000–5000 words) following the conference's citation style (APA/MLA), with an abstract (max. 300 words), keywords, and author biography.

**Posters:** Posters should showcase research, case studies, or innovations relevant to the conference themes/sub-themes, in portrait format (max. 36" x 48"), including title, abstract, methodology, results, and conclusion. Submissions must include a short description and author details. Posters will be peer-reviewed, displayed in designated areas, and presented during poster sessions.

#### Important Dates:

Abstract Submission Deadline: December 12, 2025  
Full Paper Submission Deadline: December 15, 2025  
Poster Submission Deadline: December 12, 2025  
Notification of Acceptance: December 15, 2025  
Conference Dates: December 19-20, 2025

**Submission Portal:** All submissions must be made through the GeoVision 2025 Submission Portal. Please follow the link below to submit your research articles and posters:

**Submit Your Research:** For additional information on formatting, submission guidelines, and the review process, please visit the Submission Guidelines Page on the conference website:

### Young UGIT's Technologist Award

Research articles along with abstracts are invited from young researchers who are below the age 35. All the research papers which are submitted under this category should be focused on conference sub-themes. Papers on these categories have to be in the original format and not published anywhere earlier. One best article would be selected for the Young Technologist Awards and would be awarded a cash prize of Rs.10,000 with certificate.

**Note:** The selection would entirely be based on relevance of the research topic, methodology & techniques used for analysis, output of the research and the quality of the presentation. The research article selected under ~~the~~ this process will be published in upcoming international peer-reviewed journals of 'Geographical Analysis' & 'Geo-eye'. **At least 10 participants required to participate.**

### UGIT'S Excellency Awards:

Since 2015, UGIT has been conferring the *Excellency Awards* to honor outstanding contributions in teaching, research, and the promotion of geospatial technologies across diverse fields. These awards recognize exceptional talent, achievement, and dedication, inspiring the academic and research community to strive for higher excellence. For the 14th International Conference, the UGIT Executive Body will select three distinguished awardees from India and abroad—researchers, geographers, technologists, and academicians with exemplary records in their respective domains. Awardees will be felicitated during the inaugural session, and their names and achievements will be featured in the *UGIT website and in Journals*.

### Conference Registration Fees

Indian Delegates-offline	Online participation	UGIT Members	Online participation	Foreign Delegates	Online participation
Non-academician 4000	3,000	Faculty 2000	1,000	Faculty \$60	\$30
Faculty 2500	1,500	Researcher 800	500	Researcher \$30	\$15
Researcher 1000	500				
Students 500	300				
Spot Registration 3500					

### Technical Session Chairman

<del>Dr. A. S. Rayamane, Rt. Department of Geography, BUB.</del>	<del>Prof. Chandrashokhara B Department of Geography, University of Mysore, Mysuru</del>
<del>Dr. T.K. Prasad, Associate Professor, Dept. of Geography, Kannur University, Kerala</del>	<del>Dr. Ramu, AssoProfessor &amp; Coordinator, Centre for Geoinformatics Technology, Dept of Geography, University of Mysore, Mysore</del>
<del>Dr. Chendrayudu, Associate Professor &amp; Chairman, Dept. of Geography, SV University, Tirupati</del>	<del><b>Co-Chairman:</b> Dr. Rajashekaran D., K.N. Amarendra, Sri. A.P. Prakash, Dr. M.B. Shivanna, Dr. Srinivas, Dr. Prasanna Kumar, Dr. Muniraju D.H., Rajanna</del>

<p><b>Panel Committee</b></p> <p><i>GeoVision 2025 – Global Conference on Climate Action, Environment, Urban Futures, and SDGs through Geospatial Innovations</i></p> <p><b>Chief Panel Advisor</b></p> <p><b>Dr. Shailesh Nayak, Director, NIAS &amp; Former Secretary, Ministry of Earth Sciences, Govt. of India</b></p>	
<p><b>Thematic Panel Chairs</b></p>	
<p><b>1. Climate Action &amp; Disaster Resilience</b></p> <p><b>Chairperson:</b> Dr. Nageshwara Rao P.P., Former ISRO Scientist</p> <p><b>Co-Chairperson:</b> Prof. Krishnakumari, S.K. University, Anantapur</p> <p><b>Members:</b> Prof. Sri Nagesh, Hyderabad University, Telangana</p> <p><b>Dr. Ramamurthy, Director, NBSS &amp; LUC</b></p> <p><b>Moderators &amp; Discussants:</b></p>	<p><b>2. Geospatial Innovations for Urban Transformation</b></p> <p><b>Chairperson:</b> Dr. Manikiam B., ISRO Scientist, (Rtd.) Bengaluru, OR</p> <p><b>Co-Chairperson:</b> Dr. J. Krishnamurthy, ISRO Scientist (Rtd)</p> <p><b>Members:</b> Dr. Priya N, NAAC, Bengaluru</p> <p><b>Prof. Vyas P.R. Udyapur University, Rajasthan</b></p> <p><b>Prof. Emayavaramban,</b></p> <p><b>Moderators &amp; Discussants:</b> Dr. Chandrayudu, Tirupati University</p>
<p><b>3 Environment &amp; Ecosystem Sustainability</b></p> <p><b>Chairperson:</b> Prof. P.S. Roy, Former Director, IIRS-ISRO</p> <p><b>Co-Chairperson:</b> Prof. B.C. Nagaraja, Chairman, Env Science, BU</p>	<p><b>4 Policy, Planning, and SDGs Monitoring</b></p> <p><b>Chairperson:</b> Dr. M. Ramachandran, Former Secretary, Ministry of Urban Development, Govt. of India</p> <p><b>Co-Chairperson:</b></p>

	<p><b>Members:</b>  Prof. K.L. Prakash, Env Science, Bangalore University  Prof. Krishnaiah Y.V. Agarthala Central University, Tripura  Prof. Aravinda Mulimani, Karnataka University, Dharwad  Dr. Chandrashekara, KSOU, Mysuru  <b>Moderators &amp; Discussants</b>  Dr. Basaraj Bagade, KRC University, Belgaum</p>		<p><b>Prof. Maria Antonia Brovelli</b>, Politecnico di Milano, Italy; Vice Chair, UN-GGIM Academic Network</p> <p><b>Members:</b>  Prof. Chandrashekara B. University of Mysore  Dr. Manjunatha, KSOU, Mysuru  Prof. Jayashree, University of Mysore  Dr. Vishvanath B.C.  Dr. Mahalingam  <b>Moderators &amp; Discussants</b>  Dr. T.K. Prasad, Kannur University, Kerala</p>
5	<p><b>GeoAI &amp; Emerging Technologies</b>  <b>Chairperson:</b>  Mr. Vinay Goel, India Lead, Google Earth Engine  <b>Members:</b>  Mr. Rajan Aiyer, Managing Director, Trimble India  <b>Dr. Nagaraj Patil</b>, Professor, VTU University, Belgaum  <b>Dr. Honnegowda</b>, Farmer Director, KSTA  Prof. Jagan Kumar R. Bharathidasan University, Tamil Nadu  Prof. Balasubramani Central University of TN, Tiruvaruru  <b>Moderators &amp; Discussants</b>  Dr. Sushant Sawant</p>	6	<p><b>Soil and Water Degradation &amp; Conservation</b>  <b>Chairperson:</b>  Dr. Sudha Rani, Geospatial Scientist &amp; Former ISRO Scientist  <b>Members:</b>  Prof. Judith Carney, University of California, Los Angeles (UCLA), USA  Prof. Sulochana S. Central University of TN, Tiruvarur  Dr. Rekha Niyanti, Peradeniya University, Sri Lanka  <b>Dr. Nageswara Rao P.P.</b>, Former Director, NESAC / ISRO  <b>Dr. Bandyopadhyaya</b>, ISRO, West Bengal  <b>Moderators &amp; Discussants</b>  Dr. Rajendra Hegde, National Bureau of Soil Science</p>
	<b>Prof. R. Jaganathan</b> , University of Madras, Chennai		<b>Dr. Veen Joshi</b> , Professor, SP University, Pune
	<b>Dr. Ravi Sankar T.</b> Group Director, Land Resources, NRSC/ISRO		<b>Dr. K. Kumarswamy</b> , Emeritus Professor, Tamil Nadu <b>Dr. Arularasi Arulanatham</b> , Peradeniya University, Sri Lanka
	<b>Dr. Malarkodi</b> , Professor, Department of Geology, BUB.		<b>Dr. Anupama Dubey</b>
	<b>Dr. Nagesh</b> , Professor, Department of Geology, BUB		<b>Mr. Suresh Lamani</b> , MGRDPU, Gadag

<b>Organizing Secretaries</b>				
<b>Prof. Dashratha P. Angadi</b> , Mangalore University, Mangalore		<b>Dr. Surendra P.</b> , Bangalore University, Bengaluru		
<b>Organising Committee</b>				
<b>Dr. Abhishek M.J.</b>	<b>Dr. Shiva Kumar R.</b>	<b>Dr. Nischitha V.</b>	<b>Dr. Nagabushana</b>	<b>Mr. Hemanth Reddy</b>
<b>Mr. Jagadeesh N.</b>	<b>Dr. Shahnin Irfan</b>	<b>Mr. Venugopal T.V.</b>	<b>Dr. Harish .H.S</b>	<b>Mr. Veerednra Patil</b>
<b>Ms. Suzan Karmoka</b>	<b>Mr. Shashank B Patel</b>	<b>Mr. Sharath H.M.</b>	<b>Mr. Ravikiran T.</b>	<b>Ms Revathi</b>
<b>Ms. Shilpa D.P.</b>	<b>Ms. Aparna</b>	<b>Mr. Basavaraj</b>	<b>Mr. Anilkumar V.</b>	<b>Mr. Ramesh P.D.</b>
<b>Ms. Prarkuti Pilonia</b>				
<b>Contact Details</b>				
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