



भारतीय प्रौद्योगिकी संस्थान मुंबई
IIT Bombay

Centre of Studies in
Resources Engineering (CSRE)
GOLDEN JUBILEE (1976 – 2026)

IoE

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GOLDEN JUBILEE CONFERENCE ON

GEOAI FOR VIKASIT BHARAT

DATA TO IMPACT

PEOPLE | PROSPERITY | SUSTAINABILITY | RESILIENCE



28 – 29 October 2026



P.C. Saxena Auditorium, IIT Bombay
Powai, Mumbai – 400076, India

ABOUT THE CONFERENCE

The Golden Jubilee Conference on GeoAI for Vikasit Bharat: Data to Impact brings together global thought leaders, researchers, industry innovators, policymakers and practitioners to explore how **Geospatial Artificial Intelligence (GeoAI)** can transform the way we observe, understand, model and manage our planet's resources and systems. As we celebrate 50 years of CSRE's journey in advancing geospatial science, resources engineering and societal impact, the conference will showcase **cutting-edge methods**, real-world applications and collaborative pathways to harness GeoAI for a more prosperous, sustainable and resilient **Vikasit Bharat**.

CORE GEOAI METHODS, DATA & INFRASTRUCTURE

Geospatial
Data &
Observations

AI & Foundation
Models for
Earth

Geospatial
Infrastructure

Knowledge
Representation
& GeoAI Agents

Modeling, Simulation
& Digital Twins

Analytics, Visualization
& Decision Support

APPLICATION AREAS FOR VIKASIT BHARAT



GeoAI for
Agriculture &
Food Security



GeoAI for
Hydrology, Water
Resources &
Water Security



GeoAI for
Mineral Exploration
& Earth Resources



GeoAI for
Disaster Risk
Reduction &
Resilience



GeoAI for
Cities, Infrastructure
& Digital Twins



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CONFERENCE SESSIONS

GEOAI FOR VIKASIT BHARAT: DATA TO IMPACT

DAY 1

FROM FOUNDATIONS
TO OPPORTUNITIES

- 1 Registration & Networking
- 2 Inauguration & Golden Jubilee Ceremony
- 3 Golden Jubilee Keynotes (2):
50 Years of Geospatial Science —
From Maps to Intelligent Systems
- 4 Tea / Coffee
- 5 Plenary: Geospatial Science &
Technology for Viksit Bharat
- 6 Alumni Panel: 50 Years of the Centre —
Journey, Contributions & Memories
- 7 Lunch

AFTERNOON & EVENING SESSIONS

- 8 Core GeoAI — From Geospatial
Data to Spatial Intelligence
- 9 GeoAI for Agriculture & Food Security
- 10 Tea / Coffee
- 11 Knowledge Representation,
Spatial Knowledge Graphs & GeoAI Reasoning
- 12 Industry Panel: From Geospatial Research
to Products, Platforms & Markets
- 13 Golden Jubilee Felicitations & Awards
- 14 Golden Jubilee Dinner / Cultural Programme

DAY 2

FROM APPLICATIONS
TO IMPACT

- 1 Day 2 Keynote: From Spatial Intelligence
to National Impact
Building India's Geospatial Economy
- 2 Geospatial Foundation Models
& Multimodal GeoAI
- 3 Tea / Coffee
- 4 GeoAI for Hydrology, Water Resources
& Water Security
- 5 GeoAI for Mineral Exploration
& Earth Resources
- 6 Lunch

AFTERNOON & EVENING SESSIONS

- 7 GeoAI for Disaster Risk Reduction
& Resilience
- 8 GeoAI for Cities, Infrastructure
& Digital Twins
- 9 Tea / Coffee
- 10 Vision 2047: India's Geospatial
Intelligence Ecosystem
- 11 GeoAI Innovation Showcase:
Research → Prototype → Product
- 12 GeoAI for Viksit Bharat —
Conference Recommendations / Roadmap
- 13 Valedictory Ceremony



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INNOVATE

COLLABORATE

TRANSLATE

IMPACT

50 Years of Geospatial Excellence

Towards Intelligent, Resilient & Sustainable India