

Detailed Programme Schedule

A1. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	14:00 - 15:30	Room	Ballroom (Tango) 1
Co-Chair(s)	Prof Megumi Yamashita Dr V M Chowdary		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_F688712	A Novel Individual Sample as Mean Training Framework for Fuzzy Machine Learning based Summer Crop Analytics in Kurukshetra District	Anil Kumar
2	ACRS26_ABS_Q116368	Automated Rule-Based Rice Crop Mapping Using Multi-Temporal Polarimetric Sentinel-1 SAR Data over the Himalayan Agroecosystem of Ziro Valley India	Rishabh Singh
3	ACRS26_ABS_G885505	A Graph Convolutional Network Approach for Crop Classification using time-series Sentinel-2 imagery	Uday Kumar
4	ACRS26_ABS_M887040	Evaluation of Integrated EOS-04 and Sentinel-1A Multi-Temporal SAR Data for Rainfed Kharif Crops Classification in Semi-Arid environment of Rajasthan	Ashish Kumar Jain
5	ACRS26_ABS_W682706	Tomato Crop Mapping Using Multi-Sensor Optical and Sar Data	Sudalayandy Rama Subramoniam
6	ACRS26_ABS_M158373	Identification of Rabi Crop Extents Using PCA-Enhanced Dimension Reduction Approach from Optical Data: A Case Study in Rajasthan State	Vijender Kumar

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E1. Emerging Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	14:00 - 15:30	Room	Ballroom (Tango) 3
Co-Chair(s)	Dr Agustan Shri M C Gaur		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_B438216	Real-Time Urban Digital Twin for Spatial Impact Assessment and Urban Planning Using Remote Sensing	Reedhi Shukla
2	ACRS26_ABS_G582002	Urban Digital Twin Framework for Monitoring Rainfall Patterns and Environmental Dynamics in Hyderabad	POOJITHA BITRAGUNTA
3	ACRS26_ABS_K953491	Automated Physical Topology Inference and AI-Driven Digital Twin Generation of Power Distribution Networks Using High-Resolution Satellite Imagery	M S MONICA
4	ACRS26_ABS_Q151568	A Web-Based Geospatial Flood Monitoring and Digital Twin Platform	Abhishek Dahihande
5	ACRS26_ABS_R750391	A Grid-Based 3D Framework for Building Integrated Photovoltaic Potential (BIPV) Assessment Using LOD-1 City Models	Shweta Mishra
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Detailed Programme Schedule

B1. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	14:00 - 15:30	Room	Debate Meeting Room
Co-Chair(s)	Prof. Nebiye Musaoglu Dr J V Thomas		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_F788401	Integrated Analysis of Surface Deformation Along a Railway Corridor and Its Surroundings Using Satellite-Based Persistent Scatterer InSAR (PS-InSAR) and Terrestrial Measurements	NEBIYE MUSAOGLU
2	ACRS26_ABS_B752663	Spatial Variability of Relative Uplift Rates and Channel Response in the Uhl River Basin India: A Morphotectonic Investigation	Sudhanshu Raghubanshi
3	ACRS26_ABS_Y153130	Assessing the Relationship Between Urban Development and Land Subsidence in Joshimath Using SBAS-InSAR and GIS (2022-2024)	Nabanita Datta
4	ACRS26_ABS_O930122	Estimation of LOS Deformation and Coherence Change Detection of Myanmar Earthquake (Mw 7.7) using SAR Interferometry	HARIKRISHNAN S
5	ACRS26_ABS_I647884	Volcanic Surface Deformation Mapping Validation and Forecasting Using Multi-Temporal D-InSAR	Parth Kushte
6	ACRS26_ABS_D352934	Monitoring recent eruptions (2025-2026) of Barren Island and related geomorphic evolutions using multi-sensor Earth Observation approach	Niladri Das

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C1. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	14:00 - 15:30	Room	Nucleus Meeting Room
Co-Chair(s)	Shri Abdul Hakeem K		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_B189361	Multi-Image Super Resolution Using Swin2SR Transformer: A Deep Learning Approach for High-Fidelity Image Reconstruction	Bhamini Deshpande
2	ACRS26_ABS_D833582	Deterministic Reconstruction of Corrupted Meteor M2 LRPT Satellite Imagery	Vaibhav K Joshi
3	ACRS26_ABS_D761781	Cross-Sensor Super-Resolution for Himawari AHI: Enhancing NIR/SWIR Image Quality Using SNPP VIIRS Imagery	SHUMA FUKUI
4	ACRS26_ABS_K787221	AI-Driven Super-Resolution for Enhancing Satellite Imagery and Digital Elevation Data	SONAL SAXENA
5	ACRS26_ABS_Y411558	Generative Reconstruction of Cloud-Obscured LISS-IV Satellite Imagery Using SAR-Optical Fusion	YASWITHA REDDY KONDREDDY
6	ACRS26_ABS_B833947	Implementation of a Low-Latency Seam Reduction Technique for Cartosat-3 Quick-Look Imagery	DUPAM NAGAKUSUMA

Detailed Programme Schedule

D1. Sensors, Platforms and Calibration Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	14:00 - 15:30	Room	Strategy Meeting Room
Co-Chair(s)	Prof. Junichi Susaki Dr Aparna N		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_A839348	Biomass Estimation Using P-band Polarimetric Interferometric SAR (PolInSAR) Data for Forest Structure Characterization	SAURABH GANGWAR
2	ACRS26_ABS_F904277	Polarimetric Characterization of LULC Scattering Mechanisms Using NISAR Level-1 and Level-2 Synthetic Aperture Radar Products	Anil Kumar
3	ACRS26_ABS_J588105	Change detection in urban area using polarimetric signature	JIYONG LEE
4	ACRS26_ABS_N661289	Polarimetric and Spectral Signatures of Earth Targets: An Analysis of POLDER/PARASOL Data	Parvathi Sunil
5	ACRS26_ABS_O423916	Detection of Smoke Aerosols from Satellite-based Polarimetry	Lima Chaluparambil Balan
6	ACRS26_ABS_Q871921	Ship Detection and Size Estimation Using Multi-Frequency SAR Data: A Comparative Study over Mangalore Port West Coast of India	Preeti Rajput

Detailed Programme Schedule

A2. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	15:45 - 17:15	Room	Ballroom (Tango) 1
Co-Chair(s)	Dr Apurba Kumar Bera		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_M701416	Global and National-Scale Assessment of Potential Areas for Purple Yam (<i>Dioscorea alata</i> L.) Cultivation Using EcoCrop Modeling and GIS Analysis	Meriam Santillan
2	ACRS26_ABS_C932911	PREDICTIVE MAPPING OF BANANA BUNCHY TOP VIRUS RISK FOR SUSTAINABLE ABACA MANAGEMENT IN THE CARAGA REGION PHILIPPINES	Elizabeth Parac
3	ACRS26_ABS_N661994	Sugarcane Crop Type Discrimination and Agricultural Drought Assessment in Haridwar District Using Time-Series Sentinel-1 SAR and Sentinel-2 Optical Data with	Rahul Singh
4	ACRS26_ABS_Q989714	Potato Crop Mapping using Sentinel-2 and Multi-Classifer Ensemble technique with Google Earth Engine	Neetu
5	ACRS26_ABS_P900515	Early Detection of Cotton Crop Anomalies through Satellite-Derived NDVI Prediction Using SARIMAX, Random Forest, XGBoost, and LSTM	Anima Biswal

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B2. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	15:45 - 17:15	Room	Debate Meeting Room
Co-Chair(s)	Dr. Ilham Alimuddin Dr Sushil Kumar Srivastav		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_R460591	Spatial Analysis Of Landslide Vulnerability Zoning Using Weight Of Evidence (Woe) In The Walanae And Lisu Subwatershed Indonesia	Ilham Alimuddin
2	ACRS26_ABS_H988213	A Semi-Automated Preliminary Framework for Mapping Landslides Using Sentinel-1 and Sentinel-2: A Case of 2019 North Cotabato Earthquake in the Philippine	Arnaldo Gagula
3	ACRS26_ABS_W999410	Quantitative Characterization of Earthquake-Induced Landslides Using Multi-Parameter Evaluation	Arnaldo Gagula
4	ACRS26_ABS_Q881409	Landslide Susceptibility Mapping Using Random Forest Logistic Regression and XGBoost: A Comparative Study	NIDHI GAHLOT
5	ACRS26_ABS_K999310	Satellite-Based Cloud Type Nowcasting for Early Detection of Severe Convective Weather over the Indian Subcontinent	Abhishek Chhari
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C2. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	15:45 - 17:15	Room	Nucleus Meeting Room
Co-Chair(s)	Dr Arindam Guha		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_H828271	Adaptive Gate-Enhanced SFIM for Spectrally Consistent and Computationally Efficient Pansharpening of Multi-Sensor Satellite Imagery	Aditya Bramhe
2	ACRS26_ABS_P823201	Dual-Pipeline Unsupervised Hyperspectral Fusion of PRISMA Sentinel-2 and PlanetScope for Fine-Scale Forest Ecosystem Mapping	Anurag Sharma
3	ACRS26_ABS_T238447	Unmixing Using BRDF of Land Covers for Global Albedo Estimation	NAGISA YAMASAKI
4	ACRS26_ABS_S181541	Seismic Risk Assessment of UNESCO Heritage sites of India	Manavalan R
5	ACRS26_ABS_B292649	Comparative Analysis of Deep Learning Models for Semantic Segmentation of Mango Plantations Using UAV Imagery	Priyanka Rathore
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D2. Sensors, Platforms and Calibration Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 1 Monday, 12 October, 2026
Time (hrs)	15:45 - 17:15	Room	Strategy Meeting Room
Co-Chair(s)	Dr Rashmi Sharma		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_Y594721	Study on Use Cases of Pi-SAR X3: A Full-Polarimetric X-band Airborne SAR with 15-cm Resolution	Hirotoishi Kishi
2	ACRS26_ABS_O349531	Design and Evaluation of a Pseudorandom Waveform Library for Low Probability of Intercept Noise Radar Systems	Srilalitha Srinivasan
3	ACRS26_ABS_Q250614	Design and FPGA Development of Scalable and Real-Time Digital FFT Spectrometer for Next Generation Millimeter-Wave Atmospheric Sounder	Yashash Jain
4	ACRS26_ABS_W375427	Design and Development of a Wireless Multi-Node Vibration Monitoring System	Chirag Jain
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A3. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	11:00 - 12:30	Room	Ballroom (Tango) 1
Co-Chair(s)	Dr Anima Biswal		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_X675598	Climate Change and Climate Impact of Hindu Kush Himalaya for Sustainable Agriculture	Maung Moe Myint
2	ACRS26_ABS_C213216	An Integrated Geospatial Approach for Sustainable Climate Resilient Agricultural Planning: A Case Study from Semi-Arid India	Soham Howlader
3	ACRS26_ABS_I415579	Crop Resilience to Climate Extremes in Gangetic Plains: Evaluating the Role of Interventions under National-level Schemes	Lal Mohammad
4	ACRS26_ABS_W729201	Early Detection of Drought-Induced Stress in Green Gram Using Continuous Sun-Induced Chlorophyll Fluorescence (SIF)	KARUN CHOUDHARY
5	ACRS26_ABS_L870360	Spatio-temporal coupling of rainfall characteristics and crop stress vulnerability across distinct agro-climatic zones of Andhra Pradesh India	Khumukcham Robichand Singh Singh
6	ACRS26_ABS_Y457371	Automated Stress Phenotyping of Citrus in Western Rajasthan: A WebGIS Framework Fusing UAV Hyperspectral and Point Cloud Data	Vipul Malhotra

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E2. Emerging Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	11:00 - 12:30	Room	Ballroom (Tango) 3
Co-Chair(s)	Dr M R Sujimol Shri Pankaj Bodhani		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_A283434	Cloud-Optimized Scalable Geospatial Slicing and Conversion Framework for Large-Scale NISAR HDF Data Products	AAKASHNEEL BASAK
2	ACRS26_ABS_F922491	Spatio-Temporal Bias Correction and Validation in Multi-Sensor Data Cube Fusion for Drought Monitoring	Riya Mukherjee
3	ACRS26_ABS_I479029	Quantum-Inspired Optimization for Cloud-to-Edge Latency Benchmarking in Disaster-Response Satellite Data Pipelines	Jasmin Khatun
4	ACRS26_ABS_R105659	Design and Implementation of Hybrid Software Engine for Quantum Key Distribution and Cryptography	HARIPRIYA SAKETAPURAM
5	ACRS26_ABS_T132643	NSA-AT: Adversarial Sparse-Attention Transformer for Electro-Optical Payload Anomaly Detection	Vaibhav Jindal
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B3. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	11:00 - 12:30	Room	Debate Meeting Room
Co-Chair(s)	Prof. Kohei Cho Dr Sushil Kumar Srivastav		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_O274414	Possibilities and limitations of estimating sea ice thickness with optical sensors onboard satellites	Kohei Cho
2	ACRS26_ABS_I719591	Satellite Altimetry Based Antarctic Ice Shelf Thickness Retrieval: A Novel Perception from Freeboard to Field Operations for Decision Support System	Purvee Joshi
3	ACRS26_ABS_N143400	Differential Glacier Response to Climate Change in the Chenab Beas and Sutlej Basins (2000â€”2023) Using Google Earth Engine and Remote Sensing	Saravanan Subbarayan
4	ACRS26_ABS_E419485	Multi-Temporal C-band InSAR for Snow Water Equivalent Retrieval : Performance Evaluation Using Sentinel-1 Observation	YOGESH KARIKATTI
5	ACRS26_ABS_F327296	Sentinel-1 SAR-Based Automated Wet-Snow Detection over the Sutlej River Basin Western Himalayas Using Adaptive Thresholding	Shamjid Palappa
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C3. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	11:00 - 12:30	Room	Nucleus Meeting Room
Co-Chair(s)	Dr Tapas Ranjan Martha		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_C891129	Region Stability Index (RSI) using Timeseries PolSAR data and Binary Partition Tree (BPT)	Sanid Chirakkal
2	ACRS26_ABS_U607546	An Efficient Sub-Nyquist Sampling-Based ISTA-NET+ Framework for SAR Image Reconstruction	venkata sainath gupta thadikemalla
3	ACRS26_ABS_O811603	Multimodal Fusion of SAR and SAR-Derived Optical Representations for Cloud-Resilient Built-up Area Segmentation	Laksh Alawadhi
4	ACRS26_ABS_V709967	Glacier Facies Segmentation in Fully Polarized SAR Image – A Deep Learning Approach with Hybrid Loss Function	BIKASH MAHATO
5	ACRS26_ABS_Y382792	SWINSHIFT CD: TRACKING TERRESTRIAL TRANSFORMATION WITH SHIFTED WINDOWS	Ancy Sithany
6	ACRS26_ABS_N649176	Spatial Mapping of Landslide Susceptibility Based on the Integration of Geological Maps and Rock Sampling Checkpoints in Latimojong District	Arifuddin Jamil

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D3. Sensors, Platforms and Calibration Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	11:00 - 12:30	Room	Strategy Meeting Room
Co-Chair(s)	Dr Dipanwita Halder		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_R575598	When Does Hyperspectral Mapping of Informal Settlements Work? Spatial Resolution Direct-Transfer Failure and Spectral-Spatial Fusion in AVIRIS-NG under Weak Supervision	Ram Thilak
2	ACRS26_ABS_B596766	Ground-Based Hyperspectral Remote Sensing for Non-Destructive Estimation Biochemical Traits in Tomato (<i>Solanum lycopersicum</i> L.)	Satisha GC
3	ACRS26_ABS_P580867	Artificial Intelligence-Enabled Multi Sensor Fusion of SAR and Optical Data for Rice Crop Mapping in Semi Arid Agro-ecosystems of India	Dr Pawan Kumar
4	ACRS26_ABS_G643121	A Hyperspectral Approach for Oil Spill Monitoring Using EMIT over Barmer Oil Field Rajasthan	Moneshwar Sinha
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A14. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	11:30 - 12:00	Room	Ballroom (Tango) 2
Co-Chair(s)	Dr Praveen Kumar Gupta		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_C219645	Remote sensing and GIS-based monitoring of sand deposits and mining activities along the Son River between Bhojpur and Arwal district	KUMAR GAURAV
2	ACRS26_ABS_I400450	Landscape Metrics-Based Evaluation of Ecological Integrity in the Alaknanda River Basin Uttarakhand (2000â€”2021)	Soumya Shambi
3	ACRS26_ABS_L140615	Cloud computing based reservoir sedimentation assessment using multi temporal satellite imagery	Mahesh Singh
4	ACRS26_ABS_Y561688	Spatio-Temporal Assessment of Water Balance Components in the Sarasvati River Catchment Using SWAT to Support Sarasvati River Rejuvenation Planning	Sagar Salunkhe
5	ACRS26_ABS_D269771	Evapotranspiration Modelling for the Water-Energy Nexus using Geospatial Technology: Insights through METRIC Model and Scintillometry	Abhishek Danodia
6	ACRS26_ABS_S535686	Investigation of Hydrological Resilience of Selected Indian Catchments using Budyko Framework	Anurag Mishra

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A4. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	14:30 - 16:00	Room	Ballroom (Tango) 1
Co-Chair(s)	Dr V M Chowdary Prof G C Satisha		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_S181529	National-Scale Annual Rice Paddy Mapping in Indonesia (1990â€“2024) Using Multi-Generational Landsat Data.	Age Kridalaksana
2	ACRS26_ABS_N251092	Rice Transplantation Area Mapping Using Time Series Sentinel-1 Dataset	Manoj Kumar Munda
3	ACRS26_ABS_U753041	Integration of Vegetation Indices and Machine Learning Techniques for Crop Type Classification and Area Estimation Using Sentinel-2 Imagery	Lalitha Darisanam
4	ACRS26_ABS_V521179	Transforming Agricultural Mapping: The Impact of Vegetation Indices on Cropland Accuracy	Bipasha Dey
5	ACRS26_ABS_W499329	Varietal Discrimination of Basmati and Non-Basmati Paddy Using Sentinel-1 and Sentinel-2: A Case Study of Karnal Haryana	Soumitra Banerjee
6	ACRS26_ABS_G363467	Crop Area Estimation Using Dual-pol Sentinel-1 SAR Data: A Study in Ramanathapuram District Tamil Nadu	M Vairavamani

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E3. Emerging Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	14:30 - 16:00	Room	Ballroom (Tango) 3

Co-Chair(s)	Shri Arulraj M
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_I162783	Automated Semantic Segmentation for Construction Monitoring	Vairagya Agrawal
2	ACRS26_ABS_N154130	Emerging Technologies: Integration of EO IoT BIM and Socio-Economic Data	Amane Harada
3	ACRS26_ABS_G677522	AUTOMATIC EXTRACTION OF STRUCTURAL PARAMETERS OF TREES FROM 3D POINT CLOUD DATASET	Sharmistha Pandey
4	ACRS26_ABS_XX02465	PS-InSAR Based Structural Deformation Monitoring of Heritage Structures Using TerraSAR-X Data for Gol Gumbaz and Lalitha Mahal Palace in India	Vidya A
5	ACRS26_ABS_N877619	Satellite-Derived Surface Condition Change Indices for Assessing Unpaved Road Rehabilitation Outcomes: A GIS and Random Forest Approach Using Sentinel-2 Imagery	Gerald Obalim
6	ACRS26_ABS_L573547	In-Channel Modifications using Multi-Criteria Decision Analysis for Managed Aquifer Recharge in the Solani River Basin	Anurag

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B4. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	14:30 - 16:00	Room	Debate Meeting Room

Co-Chair(s)	Dr. Mehul R Pandya
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_A695224	Tracking Dust and Biomass-Burning Aerosols from Space: Spatial Variability of Aerosol Layer Height and Aerosol Index from TROPOMI over India	Hareef baab shaeb kannemadugu
2	ACRS26_ABS_L969892	Estimating Urban PM2.5 Concentrations from Multi-Sensor Satellite and Atmospheric Data Using Random Forest Algorithm	Kasturi Kanniah
3	ACRS26_ABS_C196394	Pixel-level retrieval of Aerosol Optical Depth over ocean from Ocean Colour Monitor-3: Inversion Algorithm and Sensitivity Analysis	Prijith S S
4	ACRS26_ABS_F578051	Polarimetric Satellite Observations of Aerosol Stagnation during Winter over the Indo-Gangetic Plain	Swati Mehta
5	ACRS26_ABS_N491939	Thermal Signatures of Volcanic Ash from Recent Volcanic Eruptions in Indonesia	Kurniawan Tjandra
6	ACRS26_ABS_M424316	Classification of Clouds over Oceans using Tri-modal histogram split technique from OCM-3 GAC Imagery	SIMRAN TYAGI

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C4. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	14:30 - 16:00	Room	Nucleus Meeting Room

Co-Chair(s)	R N Anjani
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_B508178	GeoChangeNet: An AI-Based Framework for Robust Multi-Temporal Satellite Change Detection Using Spectral Normalization	Antony Ahelgen
2	ACRS26_ABS_V532946	Multi-Temporal Change Detection on the Martian Surface Using Multi-Sensor Orbital Datasets and Classical-Deep Learning Techniques	Sarthak Singhal
3	ACRS26_ABS_H610523	Confidence-Aware Sand Dune Movement Prediction Using Multi-Temporal Satellite Imagery	Oviya Gunasekaran
4	ACRS26_ABS_H787915	Forecasting Landscape Transformation in the Lower Himalayas Using CA-Markov and ANN Modeling	Hanuth Saxena
5	ACRS26_ABS_J672608	Integrating GeoAI for Spatio-Temporal variations and vulnerability assessment: a Case Study in Barjalah beel wetland Morigaon district Assam	Pinki Dutta
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D4. Sensors, Platforms and Calibration Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	14:30 - 16:00	Room	Strategy Meeting Room
Co-Chair(s)	Prof. Masafumi Nakagawa Dr Ramiya A M		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_Q221131	Distance-Image-based Scan Matching for 3D SLAM Using a Hemispherical LiDAR	Masafumi Nakagawa
2	ACRS26_ABS_G853817	Weather-Adaptive Reliability-Based Integration of LIO-SAM and Visual SLAM for Robust Self-Localization	KENTA ISHIZUKA
3	ACRS26_ABS_R188754	Improving the Vertical Accuracy of Open-Access DEMs Using ICESat-2 ATL08 Data: A Case Study of Kullu District	Preeti Saini
4	ACRS26_ABS_W841541	An Insight into Grid vs Per-pixel Processing of Spaceborne Thermal Imagery Based on a Photogrammetric Collinearity Model	Nupoor Chavda
5	ACRS26_ABS_E441346	High-Resolution 3D Rut and Soil Deformation Measurement for a Lunar Rover Using Infrared Random-Pattern Projection	Ren Itgaki
6	ACRS26_ABS_X103623	Evaluation of Hemispherical 3D LiDAR for Waterborne Mobile Mapping Systems	KENTO KASHIWAGI

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A5. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 1

Co-Chair(s)	Dr Vinay kumar Sehgal
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_K569802	Rice Biomass Retrieval at Panicle Initiation and Heading Stages Using Dual Polarized Sentinel-1 SAR data	DIPANWITA HALDAR
2	ACRS26_ABS_Q909974	Optical-SAR Synergy for High-Resolution Paddy Yield Mapping Using an Efficiency-Based Semi-Physical Model	Rasnoorpreet Singh Sidhu Sidhu
3	ACRS26_ABS_T262476	Geospatial Modeling of Wheat Yield across Haryana using Satellite Remote Sensing Data	Shefali Srivastava
4	ACRS26_ABS_F444001	Exploring UAV based multispectral data for yield estimation of rice crop at sub-plot scale	Rojalin Tripathy
5	ACRS26_ABS_J840174	Integrating Sentinel-1 SAR and Sentinel-2 Optical Data with Machine Learning for Leaf Area Index Estimation in Organic and Conventional Maize	Neetu
6	ACRS26_ABS_C481130	Spatial Assessment of Chilling Hours for Temperate Horticulture Planning in Northeast India Using ERA5-Land Data	Pratibha Das

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E4. Emerging Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 2
Co-Chair(s)	Dr Praveen Kumar Thakur		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_M988557	An Earth Observationâ€Driven Framework for Multidimensional Urban Growth Analysis and Predictive Modeling	Ashritha Keerthikumar
2	ACRS26_ABS_V552762	Predicting Apple Cultivation Suitability Using Maximum Entropy Modelling in Uttarkashi Uttarakhand	Ritik Rana
3	ACRS26_ABS_J116405	Early Integration of Opticalâ€SAR Moisture Susceptibility into Environmental Road Corridor Planning Using a Cloud-Based Multi-Criteria Framework: A Case Study of the Jubaâ€Jale National Road Corridor	Mali Shadrack Aburi
4	ACRS26_ABS_U690315	Mitigating Operational Risks at the Sultan Azlan Shah Power Station: A Satellite-Based 72-Hour Early Warning System for Jellyfish Ingress	MUHAMMAD FUAD AHMAD
5	ACRS26_ABS_W580164	GIS Based Real time Fire Detection and Anti Fire Simulation System	LALIT NEGI

Detailed Programme Schedule

B5. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	16:15 - 17:45	Room	Debate Meeting Room

Co-Chair(s)	Dr. Pradeep Thapliyal
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_N979667	Lightning Research at NARL : Towards High-Resolution 3D Mapping of Lightning event	T V CHANDRASEKHAR SARMA
2	ACRS26_ABS_Q668048	Development of Algorithms for Retrieval of Atmospheric Temperature and Humidity Profiles for ISRO's Microwave Sounders	Manoj Kumar Mishra
3	ACRS26_ABS_H155830	Activeâ€œBreak Variability of the Monsoon Low-Level Jet over Peninsular India from INSAT-3DR/3DS AMVs and Wind Profilers	Vibha Kumari
4	ACRS26_ABS_C957225	Sensitivity analysis of cloud-to-ground (CG) lightning occurrences over land use land cover (LULC) classes across India.	Raveena Gambhir
5	ACRS26_ABS_T853197	From Strikes to Statistics: A Multi-Model Time Series Approach to Forecasting Lightning Over India	Ramyata Verma
6	ACRS26_ABS_W207364	Lightning Incidents in India: Mortality-Validated Multi-Resolution Study of a Shifting Hazard (2012â€œ2024)	Shubham Jain

Detailed Programme Schedule

C5. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	16:15 - 17:45	Room	Nucleus Meeting Room
Co-Chair(s)	Shri Abdul Hakeem K		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_A508480	Assessment of Urban Land Cover Land Use Change dynamics in Hyderabad India (2017–2025) Using Satellite Foundation Model Embeddings	Dhiroj Kumar Behera
2	ACRS26_ABS_C694273	Evaluating AlphaEarth Foundation Model Embeddings for mangrove species distribution modelling using a species-specific presence-absence framework	Alex Mathew
3	ACRS26_ABS_L126693	BhuViveka: Leakage-Aware Adaptation of Prithvi-EO-2.0 to Indian Resourcesat Imagery for GLOF Risk Screening	Jaya Saxena
4	ACRS26_ABS_I724026	Spatiotemporal Heatwave-Risk Prediction and Urban Thermal-Hotspot Mapping in Chennai Using Satellite Imagery Google Earth Engine and Explainable Artificial Intelligence	VIMALATHITTHAN SHANMUGAM
5	ACRS26_ABS_P584874	Do the SAR and Optical Encoders Agree? Explaining a Cross Sensor Foundation Model for Trustworthy Land Use / Land Cover Mapping	Uttam Kumar
6	ACRS26_ABS_Y450893	Lens: Training-Free Semantic Search for Cross-Tile Object and Scene Retrieval in Satellite Imagery	Anit Upadhyaya

Detailed Programme Schedule

D5. Sensors, Platforms and Calibration Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 2 Tuesday, 13 October, 2026
Time (hrs)	16:15 - 17:45	Room	Strategy Meeting Room
Co-Chair(s)	Ms. Nalini J		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_N602943	Texture-Invariant Mineral Mapping on the Moon: Advancing Machine Learning for Hyperspectral Spectroscopy	Chandani Sahu
2	ACRS26_ABS_C979362	Spectral separability between oilseed crops based on absorption features- An insight from UAV hyperspectral analysis	Debjit Chakraborty
3	ACRS26_ABS_A180764	Purpose-Specific Imaging Patterns for Cooperative UAV Observation	Hikaru Takakusaki
4	ACRS26_ABS_R661619	Behaviour of Hyperspectral Target Detection Algorithms for Multi-scale Bauxite Mapping: A Comparative Study Using EMIT PRISMA and UAV Data	Tushar Pande
5	ACRS26_ABS_D662863	Integrated Geomorphological Assessment of the 2024 Noto Peninsula Earthquake in Japan: Airborne LiDAR and Bathymetric Surveys	Serenee Osman
6	ACRS26_ABS_F750178	Registration of LiDAR Point Clouds for Detecting Tunnel Deformation	BITO ITSUKI

Detailed Programme Schedule

A6. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	11:00 - 12:30	Room	Ballroom (Tango) 1
Co-Chair(s)	Dr Ramesh Hooda Dr Karun Kumar Choudhary		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_B511949	Real-Time Phenology Mapping for Rice using New Generation Earth Observation Data and Dynamic System Theory	Akanksha
2	ACRS26_ABS_G755270	Assessment of crop phenology dynamics in cotton tur and jowar using time series vegetation index	Niraj Priyadarshi
3	ACRS26_ABS_W752069	Calibrated Weak Supervision for Post-Harvest Burned-Cropland Mapping under Label Scarcity	Raunak Bhagate
4	ACRS26_ABS_Y416756	A Google Earth Engine-Based Framework for Quantifying Pollution Dynamics over Rice Residue Burning Hotspots Using a Composite Pollution Index (2020â€”2025)	Indrani Choudhury Singh
5	ACRS26_ABS_N259949	Integrating Multi-Sensor Remote Sensing with Large Language Model Interpretation for Real-Time Agricultural Residue Burning Surveillance over Northern India	PRIYANSHI RAWAT
6	ACRS26_ABS_L132879	Assessment of Kharif Soybean Crop Damage with Physical Feature Fraction and Leaf Area Index (LAI)	Pranab Dhara

Detailed Programme Schedule

D6. Sensors, Platforms and Calibration Technologies

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	11:00 - 12:30	Room	Ballroom (Tango) 3
Co-Chair(s)	Dr Mahul R Pandya		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_M692208	Influence of topography and land cover on kernel-driven BRDF modeling using integrated GEO and LEO observations	Masayuki Matsuoka
2	ACRS26_ABS_M568424	Design Characterization Calibration and Environmental Qualification of TAPAS-1: A Compact 3U-Class LWIR Thermal Imaging Payload for Earth Observation Applications	Binayak Dasmohapatra
3	ACRS26_ABS_V872293	Boresight calibration of Airborne cameras for Direct georeferencing of images	Nalini J
4	ACRS26_ABS_Y318639	Physics-Based Cross-Calibration of INSAT-3DS Imager Thermal Radiance with Landsat 9 TIRS-2 Bands Over Indian Terrain	Surajit Mandal
5	ACRS26_ABS_J551836	An Automated Framework for Sub-Pixel Geometric Harmonization of a Three-Decade Multi-Mission LISS-3 Archive	SURESH KUMAR MANCHIKANTI
6	ACRS26_ABS_U551436	Temporal Radiometric Characterization of EOS-04 C-band SAR ARD Products over Homogeneous and Diverse Land-Cover Targets	KRISHNA MOORTHY P

Detailed Programme Schedule

B6. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	11:00 - 12:30	Room	Debate Meeting Room
Co-Chair(s)	Dr Pradeep Thapliyal Dr Neeru Jaiswal		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_P391553	Rapid Intensification of Tropical Cyclones over the North Indian Ocean: A Satellite Perspective	Neeru Jaiswal
2	ACRS26_ABS_P527892	Wind Hazard Zonation and Intensification Energetics of Recent Tropical Cyclones over the Indian Subcontinent	Shankar Ram Njattuvetty Rammohan
3	ACRS26_ABS_N432031	Shoreline Change and Reef Morphodynamics of Van Island Gulf of Mannar India	Anuya Ramteke
4	ACRS26_ABS_F451926	Spectral Fingerprints of Cyanobacterial Blooms and Associated Phytoplankton Communities by Plankton Aerosol Cloud ocean Ecosystem (PACE) Hyperspectral Observations	Arvind Sahay
5	ACRS26_ABS_S870701	SWOT-resolved submesoscale dynamics and chlorophyll enhancement in the Bay of Bengal	Navyashree Aravind
6	ACRS26_ABS_L297178	A Machine Learning and Symbolic Regression Approach to Correct WRF Rainfall	Pratyush Ray

Detailed Programme Schedule

C6. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	11:00 - 12:30	Room	Nucleus Meeting Room
Co-Chair(s)	Shri Arulraj Murugavel		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_H410671	Taking GeoAI to micrometer scale: Applications for Thin-section analysis	Vikram K.V.N.G.
2	ACRS26_ABS_Q945200	Krishnomics-AI: An Agentic GeoAI Framework for Smart Crop Procurement Agricultural Intelligence and Farmer-Centric Decision Support in Haryana India	Dharmendra Singh
3	ACRS26_ABS_T417222	A Scalable Distributed DL Framework for Large Area Mapping of Horticulture Plantations	Vinod P V
4	ACRS26_ABS_T542974	Operational Framework for an AI-driven Marine Environmental Management System Using Multi-Satellite Imagery	TAEHO KIM
5	ACRS26_ABS_U232785	AI-Driven Dual-Model Framework for Remote Sensing-Based Black Spot Detection and Severity Prediction on National Highways	SRI SANJANA REMALA
6	ACRS26_ABS_U888807	Urban Mapping and Spatial Analytics Using Multi-Source Earth Observation Data: An Integrated Framework for GeoAI-Powered Urban Intelligence	PRINCY VERMA

Detailed Programme Schedule

A7. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	14:30 - 16:00	Room	Ballroom (Tango) 1
Co-Chair(s)	Prof. Mitsunori Yoshimura Dr C P Singh		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_E631670	MapBiomass Indonesia: Annual Wall-to-Wall Mapping of Forest Ecosystems in Indonesia (1990â€”2024) Using Multi-Generation Landsat Data and Cloud-Based Machine Learning.	Yustinus Seno
2	ACRS26_ABS_T226408	Integrating GEDI Spaceborne LiDAR and SAR Data for Regional-Scale Forest Canopy Height and Above Ground Biomass Estimation	Rakesh Fararoda
3	ACRS26_ABS_X325086	A Satellite Data based Hybrid Modelling Framework for Gap-filled Vegetation Gross Primary Productivity Estimation using Deep Learning	Ujjwal Gupta
4	ACRS26_ABS_B852810	Plot size matters: assessing precision-cost trade-offs in remote sensing-based forest inventories	Ankit Sagar
5	ACRS26_ABS_A758548	UAV LiDAR and Photogrammetry for Forest Structure Assessment and Treatment Planning in Semi-Dense Forest Tracts of South Gujarat India	Sweata Katwala
6	ACRS26_ABS_W671255	Impact Of Vegetation Change On Atmospheric CO2 Concentration Over Central Indian Region	Arun Suryavanshi

Detailed Programme Schedule

F1. Agentic AI & Intelligent Geospatial Systems

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	14:30 - 16:00	Room	Ballroom (Tango) 2
Co-Chair(s)	Shri Rajiv Ratan Chetwani Shri Pankaj Bodhani		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_C381707	Agentic GeoAI: An Evidence-Grounded Multi-Agent Framework Integrating Geospatial Foundation Models GIS Intelligence and Retrieval-Augmented Reasoning for Natural Language Urban Analytics	Obana Pujar
2	ACRS26_ABS_B852707	Multi Agent Architecture for scalable HD maps creation and maintenance	Ashish Karel
3	ACRS26_ABS_W819624	Agentic Conversational AI for Earth Observation: Autonomous Soil Moisture Analysis Across India.	Anoop Sampelli
4	ACRS26_ABS_Q978834	An Agentic AI Framework for Autonomous GCI Monitoring: MCP-Orchestrated Multi-Agent Workflows for Highway Vegetation Analysis	Sanjana Yasaswini Durgavajjala
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6			

Detailed Programme Schedule

B7. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	14:30 - 16:00	Room	Debate Meeting Room
Co-Chair(s)	Dr K H V Durgarao		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_I637918	A Unified Multi-Mission SAR Processing Platform for Operational Flood Mapping Using Sentinel-1 EOS-04 and NISAR	Rekha Gogoi
2	ACRS26_ABS_M233023	Flood Inundation and Vulnerability Mapping in the Ravi River Basin Using Multi-Temporal SAR data	Mahesh Singh
3	ACRS26_ABS_R391006	Rapid Flood Extent Mapping Using SAR+Optical Data Fusion in Google EarthEngine: A Multisource Cloud-Based Framework with Sentinel-1 and Sentinel-2	Greetta Pinheiro
4	ACRS26_ABS_X212984	Beyond Class-Averaged Thresholds: Localized SAR Backscatter Anomalies for Flood Detection in Chennai's Heterogeneous Urban Landscape	Vaani N
5	ACRS26_ABS_T459500	Flood Inundation Mapping, Impact Assessment and Floodwater Depth Estimation of the July 2023 Delhi (Yamuna) Flood Using Sentinel-1 SAR on Google	Vinod Sharma
6	ACRS26_ABS_T959709	A GIS-Based Hydrological Framework for Flood Assessment in the Damodar Valley Corporation Region: A Case Study of Durgapur	Purnima Ray

Detailed Programme Schedule

C7. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	14:30 - 16:00	Room	Nucleus Meeting Room
Co-Chair(s)	Dr Puneet Swaroop		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_V265210	An Integrated SegFormer-SAM Geospatial Workflow for Automated Building Footprint Extraction and GIS-Ready Vectorization from UAV and Aerial GeoTIFF Imagery	Nitin Deswal
2	ACRS26_ABS_D677338	An Incrementally Trainable Multi-Class Segmentation and Vectorization Pipeline for Land-Cover and Infrastructure Extraction from High-Resolution Satellite Imagery	Sahidul Islam
3	ACRS26_ABS_I108816	GeoRectNet: A Three-Stage Weakly Semi-Supervised Framework for Boundary-Preserving Building Region-Of-Interest Extraction	Akshara Preethy Byju
4	ACRS26_ABS_D532853	Deep Learning-Based Building Segmentation Across Multi-Resolution Satellite Imagery: Impact of Label Datasets	SAMPATH KUMAR PABBISSETTY
5	ACRS26_ABS_J308782	Improving Recall of Small Oriented Objects with Space-to-Depth Topology and Multi-Scale Attention	SAI VENKATA LAKSHMI ANANTH
6			

Detailed Programme Schedule

G1. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	14:30 - 16:00	Room	Strategy Meeting Room
Co-Chair(s)	Shri Abdul Hakeem K		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_W808740	Urban Expansion Trajectories in Satellite Towns around Jaipur City: A Spatio-Temporal Assessment Using Remote Sensing and GIS	Shrija Bansal
2	ACRS26_ABS_D981157	Earth Observation for Sustainable Land Cover Transformations in Palm dominated landscapes: Case studies from three Asian Countries	SHIVAM TRIVEDI
3	ACRS26_ABS_G520723	Decadal LCLU Change for Monitoring Selected Blue Flag Beaches on India's East and West Coasts	Anwasha Mukherjee
4	ACRS26_ABS_W520100	Urban Development Pressure and Land Suitability Assessment in Colombo Using Night-Time Light Data and LUCIS	Kavindu Abeyrathna
5	ACRS26_ABS_H573842	Monitoring Rooftop Solar Adoption under PM Surya Ghar Yojana in Ahmedabad city Using Very High-Resolution Satellite Data.	Nachiket Nadgauda
6	ACRS26_ABS_S576480	A GIS-based framework for assessing accessibility to social infrastructure: A 15-minute city perspective	Dhruv Pandey

Detailed Programme Schedule

A8. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 1
Co-Chair(s)	Dr V K Dadhwal		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_J662331	Environmental Controls of Fire Season Characteristics Across the Elevation Gradient in the Himalaya	Athira V Mukundan
2	ACRS26_ABS_X720949	Decadal Spatiotemporal Analysis of Forest Fires in Uttarakhand: A Pathway to Assessing Forest Resilience (2015â€“2025)	Rahul Kirola
3	ACRS26_ABS_Y163995	Temporal Patterns and Risk Mapping of Forest Fires and Forest degradation in Maharashtra (2018-2023)	Komal Rai
4	ACRS26_ABS_G480650	Multi-frequency SAR Assessment of Scattering Dynamics in Burnt Forest and Agricultural Ecosystems	Mewan Banshan War
5	ACRS26_ABS_S837762	From Widespread to a Localized Stronghold: A Review of 40-Year Population Decline Threats and Conservation of the Great Indian Bustard	Mukta Dheer
6	ACRS26_ABS_C399123	Phenology-Aware Grassland Mowing Detection Using Sentinel-2 NDVI Time Series and Temperature Constraints	Jayantrao Diliprao Mohite

Detailed Programme Schedule

A12. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 2
Co-Chair(s)	Dr Apurba Kumar Bera		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_P519626	Multi Criteria-based Vulnerability Assessment of Mining induces Land Degradation in Aravalliâ€™s of India using Geospatial Approach	Laxmi Kant Sharma
2	ACRS26_ABS_A518904	Machine Learning-Based Soil Salinity Mapping Using Sentinel-2 Multispectral Imagery: A Case Study of Central Uttar Pradesh India	Amritpal Dagra
3	ACRS26_ABS_P943682	Machine Learning based Digital Soil Mapping approach for Spatial Soil Quality Assessment in the Himalayan region	Justin Kalambukattu
4	ACRS26_ABS_S635276	Hyperspectral Assessment of Post-Fire Soil Carbon and Ecohydrological Properties Using Multivariate Analysis	Pankaj Patidar
5	ACRS26_ABS_T758886	Calibration of a Low-Cost Capacitive Soil Moisture Sensor for Volumetric Water Content Estimation in Red and Black Soils	sourav kumar
6	ACRS26_ABS_D786678	Assessing the Impact of Biochar on Greenhouse Gas Emissions in Transplanted and Direct-Seeded Rice Systems	Karnam Soujanya

Detailed Programme Schedule

F2. Agentic AI & Intelligent Geospatial Systems

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 3
Co-Chair(s)	Ms Anjani R N Ms Khushboo Mirza		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_V450838	Predictive "What-If" Simulation Modelling of Port Logistics Utilising Satellite-Derived Spatiotemporal parameters	Mayukh Mukherjee
2	ACRS26_ABS_X180194	Visual SLAM with Integrated Spatial and Temporal Multi-Baselines Using a Triplet Camera	Takuto Nagaoka
3	ACRS26_ABS_P458343	Multi-Objective Transmission Line Routing Using Risk-Aware Ant Colony Optimization	Syed Mujibul Islam
4	ACRS26_ABS_L217791	BhuvanSamvad: A Hybrid Retrieval-Augmented Generation Framework for Geospatial Knowledge Access	Saurav Kumar
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Detailed Programme Schedule

B8. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	16:15 - 17:45	Room	Debate Meeting Room
Co-Chair(s)	Dr A V Suresh Babu		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_W668273	Spatiotemporal Assessment of Urban Flood Susceptibility for Resilience Planning: a Google Earth Engine approach in Varanasi India.	Apoorva Nawani
2	ACRS26_ABS_N802410	Multi-Temporal SAR-Validated Flood Susceptibility Mapping of Assam Using Hybrid AHP-MCDM and RF&XGBoost Ensemble	Rakesh Asery
3	ACRS26_ABS_T874935	Flood Susceptibility Mapping via AHP-Weighted Overlay in GEE: SAR-Validated Framework for Kuala Lumpur	Ahammad Ali Poyilikandiyil
4	ACRS26_ABS_C828125	Rice Mapping and Flood Impact Assessment in Punjab (India) using Sentinel-1 and Sentinel-2 Time Series Data	Dharmesh Verma
5	ACRS26_ABS_U441640	GIS-Based Impact Assessment of Potential Multisectoral Flood Losses in Luwu Regency Indonesia	Ilham Alimuddin
6	ACRS26_ABS_L325069	GeoAI-based Urban Flood Decision Support System (GeoAI UF-DSS) for city disaster management- case study of Chennai metropolitan region	Jothimani Ponnusamy

Detailed Programme Schedule

C8. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	16:15 - 17:45	Room	Nucleus Meeting Room
Co-Chair(s)	Shri Pankaj Bodhani		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_M932971	Geospatial Anomaly Localization on UAV-Derived 3D Bridge Models for Structural Health Monitoring	Kancharla AnithaSheela
2	ACRS26_ABS_Y475251	Quantifying Geometric Complexity in Photogrammetric Point Cloud: A PCA-Based Difficulty Score for Detecting Challenging Regions	JHIH SYUAN JHUANG
3	ACRS26_ABS_V942214	Impact of Dataset Quality on PointNet++ for Object Segmentation in Aerial LiDAR Point Clouds	Makoto Ishiwata
4	ACRS26_ABS_X209965	A YOLOv8 Framework for Urban Infrastructure Anomaly Detection Using UAV-Acquired RGB Imagery	Kancharla AnithaSheela
5	ACRS26_ABS_E486145	Road Marking Detection and Vectorization from MLS Intensity Imagery Using YOLO-OBb for HD Map Production	JHENHAO WANG
6	ACRS26_ABS_D580632	Semantic Infrastructure Verification (SIV): A Context-Aware Framework for AI-Assisted Road Validation Using Multi-Resolution Remote Sensing	Abhishek Pandey

Detailed Programme Schedule

G2. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 3 Wednesday, 14 October, 2026
Time (hrs)	16:15 - 17:45	Room	Strategy Meeting Room
Co-Chair(s)	Dr Rajeev Kumar Jaiswal Dr Anjana Vyas		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_X308570	Analysis of Individual Street Light Observability in SDGSAT-1 Nighttime Satellite Data over Highway Corridors	NEBIYE MUSA OGLU
2	ACRS26_ABS_S538385	A Multi-Dimensional Remote Sensing Framework for Environmental Management: Integrating Urbanization Tourism Vulnerability and Spatial Dynamics	Keerti Manisha
3	ACRS26_ABS_N226932	EO-Driven Geospatial Services for Climate-Resilient Urban Governance: LCZ-Based Heat Mitigation in Hyderabad India	PENCHALA MADHURI
4	ACRS26_ABS_L972326	Spatial Distribution and Temporal Trends of CO and SO ₂ over Indian Industrial Hotspots (2019-2023): Disruption and Recovery in the Energy-Steel Supply	Abhijit Pillai
5	ACRS26_ABS_T226898	Season-Dependent Thermal Inversions and Radiative Forcing Associated with Utility-Scale Photovoltaic Infrastructure in Western Rajasthan	Arghya Basu
6	ACRS26_ABS_J779599	TESTAMENTS OF URBAN RAIN ISLAND OVER A TROPICAL MEGACITY AS EVIDENT FROM THREE DECADES' SUMMER RAINFALL DATA	Kanaya Dutta

Detailed Programme Schedule

A9. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	11:00 - 12:30	Room	Ballroom (Tango) 1
Co-Chair(s)	Prof. Choen Kim Dr. Hitendra Padalia		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_L498886	Co-production of knowledge on resilience of high-altitude Himalayan forests using earth observation datasets and traditional practices	Arya A R
2	ACRS26_ABS_F487387	Decoding Plant Invasion: From Soil Bio-physiochemistry to GeoAI-Driven Canopy Spectral Signature	BASANT BIJARNIYA
3	ACRS26_ABS_Q913722	Forest Disturbance Analysis Using NISAR Data Supported By Advanced Deep Learning Models	Anil Kumar
4	ACRS26_ABS_K546086	Selective Logging Detection in the Western Ghats Using Sentinel-1 SAR Sentinel-2 Optical Data and a Spatio-Temporal Deep Learning Framework	Harney Jenifar R S
5	ACRS26_ABS_C724492	Spatio-Temporal Assessment of Landscape Fragmentation and Its Impact on Ecosystem Services: A Case Study of Deepor Beel India	Amit Maurya
6	ACRS26_ABS_A777446	Assessment of Uprooted Forest Extent in Tadvai Reserve Forest Due to Extreme Weather Event Using UAV Data Sets	Runjhun Chandra

Detailed Programme Schedule

A13. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	11:00 - 12:30	Room	Ballroom (Tango) 3

Co-Chair(s)	Dr Arindam Guha
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_I562167	PRISMA data analysis for detecting serpentinised ultramafic rocks and intra-rock alteration zones ; as input for exploring resource rock for cosmetic industry and also possible source of Natural Hydrogen	ARINDAM GUHA
2	ACRS26_ABS_Q328229	Spaceborne Spectral and Thermal Datasets for REE Mapping Using Machine Learning Techniques: A Case Study on Siwana RingComplex Rajasthan India	Ronak Jain
3	ACRS26_ABS_J914196	Scalable [MS1.1]InSAR Monitoring for Open-cast Coal Mines	Suvam Das
4	ACRS26_ABS_E434537	Delineation of Rare Earth Element (REE) potential in the Son River Basin India using PRISMA spaceborne hyperspectral data	Soumya Verma
5	ACRS26_ABS_S554694	EMIT Hyperspectral Detection of Ferric Alteration Associated with Hydrocarbon Microseepage in the Cambay-Tarapur Block Gujarat India	Nirav Mandora
6			

Detailed Programme Schedule

B9. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	11:00 - 12:30	Room	Debate Meeting Room

Co-Chair(s)	Dr Chandrasekar K
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1		SACTES: A Simplified Atmospheric Correction Temperature - Emissivity Separation Framework for Land Surface Temperature Retrieval from Thermal Observations of Planned Indo-French Mission TRISHNA	Dr Mehul Pandya
2	ACRS26_ABS_C486650	Assessing the hydrological impacts of forest fire using event-based pre- and post-fire LULC and SWAT modelling in Upper Sutlej basin	BHAGATH GALIPALLI
3	ACRS26_ABS_I109575	Forecasting Fire from Space: A Deep Learning approach for Wildfire Prediction from Multi-Spectral Remote Sensing Data	Gaurav Duggal
4	ACRS26_ABS_V142730	Integration Remote Sensing Causal Analysis Machine Learning and CMIP6 Climate Projections for Spatio-Temporal Assessment of Ecological Drought in Rajasthan India.	PRACHI RAUT
5	ACRS26_ABS_Q719556	RT-FIRE: A Real-Time VIIRS Active Fire Product Generation and Visualization Framework for Operational Disaster Management	DEEPAK KUMAR
6	ACRS26_ABS_X624786	High Temperature Surface Coal Fire Detection using Deep Learning Techniques in Jharia Coalfield India	Shittal Malla

Detailed Programme Schedule

C9. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	11:00 - 12:30	Room	Nucleus Meeting Room

Co-Chair(s)	Dr S P Aggarwal
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_C217158	Bio-inspired Tuning vs. Temporal Attention: Five-Model Crop-Type Classification from Multi-Sensor Satellite Time Series	Akshat Sharma
2	ACRS26_ABS_K278308	Transformer vs Machine Learning for High-Resolution Crop Classification Using UAV Imagery in Heterogeneous Agro-Horticultural Systems	Nagashree Mohan Kumar
3	ACRS26_ABS_X178611	Vegetation Segmentation from Satellite Imagery: A Comparative Study of Spectral Index-Based and Knowledge-Guided Deep Learning Approaches	Aishwarya Gilhotra
4	ACRS26_ABS_V141735	A Mobile App Based Deep Learning Framework for Tomato Crop Growth Monitoring and Yield Estimation in Polyhouse Environment	Uttam Kumar
5	ACRS26_ABS_XX02464	A DEEP LEARNING FRAMEWORK FOR AUTOMATED FARM BOUNDARY DELINEATION USING PLANET SUPERDOVE IMAGERY	Namitha Narayan
6			

Detailed Programme Schedule

G3. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	11:00 - 12:30	Room	Strategy Meeting Room

Co-Chair(s)	Dr Tanumi Kumar
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_Q232197	Assessment of Global and Multitemporal SGLI Albedo Products in Comparison with MODIS Products	Yoshie Ishii
2	ACRS26_ABS_C807349	Nowcasting Air Temperature from Land Surface Temperature using Deep Learning Techniques for Hotspot Mapping: An Operational Portal for Heat Action Plan	MANISH M
3	ACRS26_ABS_X774238	Development of a Web GIS-Based Framework for Optimizing Cadastral Data Processing Quality Assurance and Spatial Database Integration	KALUTHANTHRIGE DONA HESHANI UPENDRA
4	ACRS26_ABS_D398193	Realizing Indian Space Policy 2023 through Bhoonidhi: Democratizing Access to Indian Earth Observation Data	Ankitha Reddy
5	ACRS26_ABS_E332615	Harmonization of Geospatial Metadata Architecture in India: Aligning ISO 19115 IS 16439:2025 and IS 18565 Data Quality Frameworks	RAJENDRA GAIKWAD
6	ACRS26_ABS_F874918	Policy Reforms as a Catalyst for Geospatial Capacity Building: Evidence from India's Emerging Space Startup Ecosystem	Sini Varghese

Detailed Programme Schedule

A10. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	14:30 - 16:00	Room	Ballroom (Tango) 1

Co-Chair(s)	Dr. Gnanappazham L
	Dr K K Sarma

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_T824015	DETECTION AND MONITORING OF SALINE BLANKS IN THE SUNDARBAN BIOSPHERE RESERVE USING MULTI-DECADAL LANDSAT DATA	Tanumi Kumar
2	ACRS26_ABS_X594427	Tidal Hydroperiod as the Dominant Driver of Mangrove Phenology: A Comparative Study Across Macro- and Meso-Tidal Coastal India	Kariya Ishita Bhaveshkumar
3	ACRS26_ABS_J730277	Geospatial modelling of mangrove plant disease infestation	Nikhil Lele
4	ACRS26_ABS_O345874	Mapping The Species Diversity Of Mangroves Along The Dynamic Shoreline Of The Krishna Delta	Reshma AV
5	ACRS26_ABS_P302326	Machine Learning-Driven Blue Carbon Stock Assessment in Mangrove Ecosystems Using Multi-Sensor Remote Sensing: Insights from Pichavaram South Eastern India.	Nagarajan Rajendiren
6	ACRS26_ABS_T142567	Assessing the Blue Carbon Ecosystem for Coastal Resilience Using Geospatial Techniques: A Case Study of Chargheri Village Indian Sundarbans	MOHIT KUMAR

Detailed Programme Schedule

G4. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	14:30 - 16:00	Room	Ballroom (Tango) 3

Co-Chair(s)	Shri Arulraj Murugavel
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_S887643	An AI-Powered Digital Public Infrastructure for Agriculture: Satellite Intelligence at Scale	Nikhilesh Kumar
2	ACRS26_ABS_G354334	AI-Driven Digital Public Infrastructure: Advancing Intelligent Water Security for All	Nikhilesh Kumar
3	ACRS26_ABS_K365095	Bridging the Gaps: A Structured Review of India's Earth Observation Sector Covering Data Capability and Ecosystem	Vishal Dasari
4	ACRS26_ABS_O380231	Innovative Applications of Remote Sensing for Future Earth: Advancing Transportation and Infrastructure	Abbu Satyanarayana
5	ACRS26_ABS_G124175	Towards Operational Coastal Water Quality Monitoring in India using Multispectral and Hyperspectral Earth Observation Data	Syed Moosa Ali
6			

Detailed Programme Schedule

B10. Earth System Dynamics & Disaster Risk Intelligence

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	14:30 - 16:00	Room	Debate Meeting Room

Co-Chair(s)	Dr Arijit Roy
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_I181754	Remote Sensing and GIS-Based Multiple Hazard Risk Mapping Through the Integration of Physical Hazard Susceptibility and Social Vulnerability Indicators	Veenita Rani
2	ACRS26_ABS_V373247	AI-powered Digital Public Infrastructure for Multi-Hazard Disaster Risk Intelligence and Operational Decision Support	Nikhilesh Kumar
3	ACRS26_ABS_J186473	High-Resolution Air Temperature Mapping over the Delhi Urban Agglomeration Using U-Net-Based Downscaling of ERA5-Land Data	Prakriti Prakriti
4	ACRS26_ABS_J631583	Crop-specific Agricultural Drought Indicator: A phenology-based approach derived from SAR-Optical data integration	PRABIR DAS
5	ACRS26_ABS_M930246	Performance evaluation of SMAP Level 4 satellite derived root-zone soil moisture product for monitoring agricultural drought using GEE	VISHNU PRASAD
6	ACRS26_ABS_X444643	Spatial and Temporal Analysis of Desert Locust Disaster Threat for Emergency Response in Kenya	Eliud Baraka

Detailed Programme Schedule

C10. Advanced Image Analytics & GeoAI

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	14:30 - 16:00	Room	Nucleus Meeting Room

Co-Chair(s)	Dr. Harish Chandra Karnatak
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_G351518	Temporal Frame Interpolation of Geostationary Satellite Imagery: A Comparative Study of Statistical & Deep-Learning Based Optical Flow for Severe Weather Events	Sushantini Muvvala
2	ACRS26_ABS_T369586	An Automated Image to Geospatial Framework for Identifying Seasonal Wave Energy Resource Zones from Satellite Derived Climatological Maps	Mourani Sinha
3	ACRS26_ABS_O904415	Machine Learning based Assessment and Prediction of Land Surface Temperature in Central Punjab India	Gurpreet Kaur
4	ACRS26_ABS_E925634	Atmospheric Downscaling via Multi-variable XGBoost: Enhancing the Spatial Resolution of Urban Humidity-Heat Risk Metrics	Harsh Khatarkar
5	ACRS26_ABS_F615751	Intra-Urban Thermal Dynamics assessment for Indian Megacities Using GeoAI-Driven Built-Up Extraction	Kriti Rastogi
6	ACRS26_ABS_A498915	Development of a Machine Learning-Based Cloud Detection Algorithm for INSAT-3DS Sounder	Ravi Kamal Choudhary

Detailed Programme Schedule

A11. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 1

Co-Chair(s)	Dr. Hitendra Padalia
	Dr Shivam Trivedi

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_V539564	PRE-IGNITION WILDFIRE FORECASTING IN THE UTTARAKHAND HIMALAYA USING MULTI-SOURCE EARTH OBSERVATION MACHINE LEARNING AND ATTENTION-BASED DEEP LEARNING	Kamal Pandey
2	ACRS26_ABS_R473630	Phenology-Based Deep Learning Framework for Forest Health Assessment and Restoration Site Identification Using Multi-Temporal Sentinel-2 Data: A Case Study of	Apurwa Chaurasia
3	ACRS26_ABS_C850215	Spatio-Temporal Analysis of Climate Variability and Vegetation and Land Use Dynamics(2015-2021) using LISS IV Satellite imagery and AI/ML Driven Change	Agyeya Shukla
4	ACRS26_ABS_M648257	Seasonal Vegetation Dynamics and Monsoon Greening in the Singrauli Coal-Mining Region India Using Landsat and Google Earth Engine (2014-2025)	preety preety
5	ACRS26_ABS_Q946944	Multi-Temporal Classification of Siamese Rosewood Using Random Forest and Sentinel-2 Imagery in Trat Province Thailand	NUTDANAI APIBANSRI
6	ACRS26_ABS_K479902	Spatial Patterns and Anthropogenic Disturbance of Rhododendron arboreum in the Western Himalaya: A GIS-Based Framework	Laraib Ahmad

Detailed Programme Schedule

A15. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 2

Co-Chair(s)	Dr I C Das
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_P592080	The Nitrate Paradox: Fertiliserâ€™Groundwater Decoupling Across Haryanaâ€™s Stressed Aquifers (2010â€™2023)	udai bhanu rathore
2	ACRS26_ABS_M174339	Groundwater Potential Zone Mapping Using GIS and Remote Sensing: A Case of Corbett Tiger Reserve Uttarakhand India	Neelam Rawat
3	ACRS26_ABS_Y633603	Assessment of Present and Future Groundwater Vulnerability Using DRASTIC and SINTACS Models Integrated with Land Use/Land Cover Dynamics in the	Saravanan Subbarayan
4	ACRS26_ABS_M461818	Groundwater Potential Zone Mapping of Purulia District Using Remote Sensing GIS and Multi-Criteria Decision Analysis	Tanushree Patra
5	ACRS26_ABS_V973180	Spatio-Temporal Assessment of Surface Water Extent and Groundwater Storage Dynamics in Telangana	Abhinav Sharma
6			

Detailed Programme Schedule

A16. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	16:15 - 17:45	Room	Ballroom (Tango) 3
Co-Chair(s)	Dr Manabendra Saharia		

List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_J531719	A Remote Sensing-Based Framework for Spatio-Temporal Assessment of Agricultural Water Sustainability: A Case Study of Ghana	Darshana Wickramasinghe
2	ACRS26_ABS_U587289	Assessing Future Water Demand for Agriculture under Climate Change example from Sub-Sahara Africa	Isuru Jayathissa
3	ACRS26_ABS_D401813	Soil and Water Conservation in Tea Lands of Hulu Ganga Sub-basin Mahaweli River Basin of Sri Lanka: A GIS Based	N.S Vithanage
4	ACRS26_ABS_W667463	AN ACTION PLAN FOR THE REJUVENATION OF WATER BODIES IN THE HAMIRPUR DISTRICT OF THE BUNDELKHAND REGION UTTAR PRADESH INDIA USING SPACE TECHNOLOGY	Ashwani Srivastava
5	ACRS26_ABS_X389237	Water Accounting Framework for Assessing Scale-invariant Water Resources	Smaranika Mahapatra
6	ACRS26_ABS_Q940275	Decoding Global Transpiration Controls Using Physically Constrained Remote Sensing and Explainable AI	Pooja Nandagopal

Detailed Programme Schedule

H1. GNSS Applications

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	16:15 - 17:45	Room	Debate Meeting Room

Co-Chair(s)	Dr Ashutosh Bhardwaj
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_F105872	Multi-GNSS Ionospheric TEC Analysis During the January 2026 Geomagnetic Storm: A Study Over the EIA Crest Region	Saud Jahangir
2	ACRS26_ABS_B440338	Complete Assembly Integration & Checkout Testing of GNSS Receiver	Abhinav Jha
3	ACRS26_ABS_B520930	Performance Assessment of Smartphone-Based Multi-Constellation GNSS for Accurate Navigation and Geospatial Mapping in Smart City Applications	Alisa Khatun
4	ACRS26_ABS_R754410	INSAR TROPOSPHERIC STRATIFIED AND TURBULENT DELAYS JOINT CORRECTION USING GNSS ZENITH TROPOSPHERIC DELAY PRODUCTS	Hailu Chen
5	ACRS26_ABS_F254323	Impact of Levels of Detail in 3D City Models on GNSS Visibility and Multipath Simulation	Yonghe Li
6	ACRS26_ABS_H153044	Dual-Band GNSS-R Antenna System Utilizing GPS and NavIC Signals for Earth Observation Satellite EOS-08	Gaurav Kumar

Detailed Programme Schedule

G5. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	16:15 - 17:45	Room	Nucleus Meeting Room

Co-Chair(s)	Dr. Abha Chhabra
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_Q227102	Mapping Urban Ecological Exposure Along Mobility Corridors in Jakarta Using Multi-Sensor Remote Sensing and Open Transit Data	Agustan Agustan
2	ACRS26_ABS_R877702	Earth Observation-Based Assessment of Municipal Congestion Susceptibility Using Landscape Metrics and Road Network Intelligence Indices	DIPANKAR DAM
3	ACRS26_ABS_O864115	Urban Dynamics: integrated with Land Surface Temperature Built-up Intensity across wards and ANN-MOLUSCE in Kolkata Municipal Corporation: A Geospatial Approach	Gourab Pal
4	ACRS26_ABS_E151863	Tribal Area Multi-Criteria Spatial Analysis: Identification of Priority Villages for Sustainable Development in Saranda Forest Region West Singhbhum District Jharkhand	Nikita Topno
5	ACRS26_ABS_U501900	Forecasting Urban Land-Use Efficiency from Earth Observation Time Series with Uncertainty-Aware Deep Learning	Jojene Santillan
6	ACRS26_ABS_N919965	Deciphering Particulate Matter Variability in India's National Capital Region Using Explainable Artificial Intelligence and Ensemble Learning	Agradeep Mohanta

Detailed Programme Schedule

G7. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 4 Thursday, 15 October, 2026
Time (hrs)	16:15 - 17:45	Room	Strategy Meeting Room

Co-Chair(s)	Dr. Seema Jalan
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_J853856	Language Vitality Mapping and Revitalization Planning in Tana Luwu: Integrating GIS Technology and Sociolinguistic Analysis	Serliah Nur
2	ACRS26_ABS_C197085	Effect of Meteorological Factors and Seasonal Dynamics on Dengue Incidence in Haryana Region	Akshit Srivastava
3	ACRS26_ABS_Q577494	A Geospatial Assessment of Thermal Inequality and Urban Planning Disparities in Delhi using Earth Observation	E. Sarla Sruti
4	ACRS26_ABS_S699268	GIS-Based Property-Level Mapping Using Remote Sensing and Video-Geotagging: The Ludhiana Smart City Experience	AJAY MATHUR
5	ACRS26_ABS_C413986	Evaluation of Satellite-Derived Greenhouse Gas Observations Using Ground-Based EM27/SUN Measurements Across Semi-Urban and Industrial Environments	Mahesh P
6	ACRS26_ABS_M391690	Multi-Temporal Land use and Land cover Analysis and Future Prediction using Machine Learning in Geospatial Framework	Dr S K Sahoo

Detailed Programme Schedule

A17. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 5 Friday, 16 October, 2026
Time (hrs)	09:00 - 10:30	Room	Ballroom (Tango) 1

Co-Chair(s)	Dr Vaibhav Garg
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_O524434	MLP-Based Coastal Water Quality Assessment and Ecosystem Vulnerability Indexing in the Indian Sundarbans Using Available Multi-Source Satellite Data.	Jasmin Khatun
2	ACRS26_ABS_W582793	Satellite-Based Water-Quality Assessment of Selected Lakes in Tamil Nadu Using Google Earth Engine and Explainable Machine Learning	
3	ACRS26_ABS_P738859	An integrated multi-sensor Geo-AI framework for urban water quality monitoring	Ramisetty Sai Siddardha
4	ACRS26_ABS_L601461	Development of a water quality monitoring system for Bengaluru's urban and peri-urban lakes using decade-long satellite time series observations	Koppineedi Veera Satish
5	ACRS26_ABS_D771003	Hyperspectral network observation of non-point source pollution and the associated real-time uncertainty assessment in urban-rural watershed	Yongxin Liu
6	ACRS26_ABS_N752482	An AI-Driven Geospatial Framework for Cultivar-Level Discrimination and Mapping of Sugarcane Using Multi-Temporal Earth Observation Data	Akash Goyal

Detailed Programme Schedule

H2. GNSS Applications

Schedule Details

Session Type	Oral Technical	Day / Date	Day 5 Friday, 16 October, 2026
Time (hrs)	09:00 - 10:30	Room	Debate Meeting Room

Co-Chair(s)	Dr Ashutosh Bhardwaj
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_Y457520	Retrieval and Evaluation of Vegetation Optical Depth from GNSS-IR Observations over Telangana India.	Anoop Sampelli
2	ACRS26_ABS_M380539	Monitoring of Seasonal Groundwater Dynamics based on a hydro-geodetic approach in Punjab India from a Continuous GNSS Network	Gyanasmita Pradhan
3	ACRS26_ABS_J367251	Accuracy Validation of CLAS-Based GNSS Slant-Path Precipitable Water Vapor Using Ground-Based Microwave Radiometer Observations	Junichi Takiguchi
4	ACRS26_ABS_I987729	Development of a CYGNSS GNSS-R Soil Moisture Model and its Application to Agricultural Drought Assessment in Karnataka	Rajdip Paul
5	ACRS26_ABS_E988468	Three-Dimensional Ground Displacement Estimation by Integrating InSAR and Interpolated GNSS Displacements in Shikoku, Japan	YUJI FURUTA
6	ACRS26_ABS_Y457520	Retrieval and Evaluation of Vegetation Optical Depth from GNSS-IR Observations over Telangana India.	Anoop Sampelli

Detailed Programme Schedule

G6. Geospatial Services for Societal Impacts

Schedule Details

Session Type	Oral Technical	Day / Date	Day 5 Friday, 16 October, 2026
Time (hrs)	09:00 - 10:30	Room	Nucleus Meeting Room

Co-Chair(s)	Dr Vandita Srivastava
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_V721033	Jal Drishti: Satellite-Driven National Water Quality Intelligence for India	AKSHATSINGH SURYVANSI
2	ACRS26_ABS_W986191	Open-Source GIS for Electoral Delimitation: Measuring Compactness for Drawing Inclusive and Objective Constituency Boundaries	SEEMA JALAN
3	ACRS26_ABS_T972585	Earth Observation and GIS for Groundwater-Security Assessment and Managed Aquifer Recharge Siting in Tiruchirappalli District Tamil Nadu	JINO RAGHAVAN
4	ACRS26_ABS_O595490	Development of Daily Dynamic Landslide Hazard Index (DDLHI) using Satellite derived Rainfall Extremes for Uttarakhand, India	Prabhjot Kaur
5	ACRS26_ABS_N191462	Optimising Pedestrian Thermal Comfort: A Physiological Shortest Path Framework for Microclimate-Aware Routing	Rudraksh Singh

Detailed Programme Schedule

A18. Earth Observation For Sustainable Earth

Schedule Details

Session Type	Oral Technical	Day / Date	Day 5 Friday, 16 October, 2026
Time (hrs)	09:00 - 10:30	Room	Strategy Meeting Room

Co-Chair(s)	Dr A V Suresh Babu
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List of Presentations

S. No.	Abstract ID	Abstract Title	Presenter
1	ACRS26_ABS_C650737	Hydrological Variability and Water Balance of the Manoligao Watershed under Climate and Land Use Changes	Stephanie Mae Salcedo Albores
2	ACRS26_ABS_J112435	Multi-Source Earth Observation based Framework for Wetland Habitat Monitoring and Change Detection	Duhita Mhaisane
3	ACRS26_ABS_V860945	Combining Sentinel-1 and Sentinel-2 Data for Multi-Temporal analysis of Nalsarovar and Thol Wetlands	Ajaat Kaushikeya
4	ACRS26_ABS_W340931	Remote sensing based assessment of Carbon stock Carbon Fixation and Methane emissions from Summer Paddy Crop of Gondia District Maharashtra	Awinash Singh
5	ACRS26_ABS_O219712	Deep Learning-Based Detection of Paddy Irrigation Anomalies Using RADARSAT-2 Imagery: A Case Study of Malaysian Granaries	NURUL AINA ABDUL AZIZ
6			