



Cyprus Remote Sensing Society

Eleventh International Conference on Remote Sensing and Geoinformation of Environment

Conference Program


17-19 March 2025

Aliathon Holiday Village, Paphos – Cyprus

<https://rscy2025.com/>



Under the Auspices

Day Time	Monday 17/03/2025	Day Time	Tuesday 18/03/2025	Day Time	Wednesday 19/03/2025										
8:00 - 8:45	Registration	8:00 - 8:30	Registration	8:00 - 8:30	Registration										
8:45 - 9:15	<p>Opening Ceremony - Aphrodite Stage Hall:</p> <ol style="list-style-type: none"> 1. Prof. Diofantos Hadjimitsis - ERATOSTHENES CoE & Cyprus University of Technology 2. Mr Georgios Komadromos, Permanent Secretary of the Deputy Ministry of Research, Innovation and Digital Policy of Cyprus 3. Prof. Konstantinos Karantzalos - Secretary General, Ministry of Digital Governance of Greece 4. Dr Nektarios Chrysoulakis - Director of ERATOSTHENES CoE Board - FORTH 5. Prof. Evangelos Akylas - Vice Rector of Financial Planning and Development (CUT) 6. Dr Kyriacos Themistocleous/Dr George Papadavid - Cyprus Remote Sensing Society 	8:30 - 9:00	<p>APHRODITE HALL</p> <p>Keynote Speaker: Dr Diana Francis - Assistant Professor, Earth Sciences. ENGEOS Lab Head, Khalifa University, UAE</p> <p><i>'New Insights on Climate and Environmental Challenges in the Middle East through Remote Sensing'</i></p>	8:30 - 9:00	<p>APHRODITE HALL</p> <p>Keynote Speaker: Mr Vincent Ambrosia - Adjunct Research Faculty, Department of Applied Environmental Science, School of Natural Sciences (SNS) California State University - Monterey Bay (CSUMB)</p> <p><i>"Reflections on 40-Plus Years of Supporting Earth Observation Science for Wildland Fire: Where We Have Been & Where We Are Going"</i>.</p>										
9:15 - 11:00	<p>Keynote Speakers - Aphrodite Stage Hall:</p> <ol style="list-style-type: none"> 1. Prof. Konstantinos Karantzalos (20min) «Greek National Small Satellite Program : Opportunities for Greece-Cyprus Collaboration»- Secretary General, Ministry of Digital Governance of Greece 2. Dr Younes Abouyoub (20min) «Collaborative Governance for Crisis Management in the MENA Region» - Chief, Governance and State-Building Division for the MENA Region United Nations 3. Prof. Nikolaos Panagiotou (20min) «The potential of integrating remote sensing and geospatial technologies into crisis communication»- School of Journalism and Mass Communications, Aristotle University of Thessaloniki 4. Prof. George Zalides (5min), «Earth observation in the Greek Payment Authority of Common Agricultural Policy» - Vice President of the Greek Payment Authority of Common Agricultural Policy(OPEKEPE) in Greece 5. Prof. Ioannis Gitas (10min) «MedRIN Nasa Network»- Department of Forestry and Natural Environment, Chairman of the University Forest Administration and Management Fund, Aristotle University of Thessaloniki 6. Tim Lemmens (15min) «Copernicus for Environment Monitoring: status and future outlook» - Policy Officer at DG DEFIS - European Commission <p>Honorary Awards</p>	9:00 - 11:00	<p>Parallel Sessions</p> <table border="1"> <tr> <td>ADONIS ROOM Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (Abst. Pres. 13, 59, 123, 95, 66, 73, 57)</td> <td>APHRODITE HALL CAMS user intelligence and user interaction: Cyprus and Malta CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus</td> <td>ZEUS ROOM CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus</td> <td>APOLLON ROOM Urban Applications Abstract Session (2, 11, 21, 22, 70, 76, 133)</td> </tr> </table>	ADONIS ROOM Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (Abst. Pres. 13, 59, 123, 95, 66, 73, 57)	APHRODITE HALL CAMS user intelligence and user interaction: Cyprus and Malta CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus	ZEUS ROOM CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus	APOLLON ROOM Urban Applications Abstract Session (2, 11, 21, 22, 70, 76, 133)	9:00 - 11:00	<p>Parallel Sessions</p> <table border="1"> <tr> <td>ADONIS ROOM Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project (Abst. Pres. 5, 26, 36, 52, 58, 79, 91)</td> <td>APHRODITE HALL Stakeholder Dialogue: Carbon Farming Practices in Agriculture Organized by CARBONICA Project</td> <td>ZEUS ROOM Atmosphere Abstract Session (9, 37, 43, 49, 85, 86, 87, 92, 131, 110)</td> </tr> </table>	ADONIS ROOM Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project (Abst. Pres. 5, 26, 36, 52, 58, 79, 91)	APHRODITE HALL Stakeholder Dialogue: Carbon Farming Practices in Agriculture Organized by CARBONICA Project	ZEUS ROOM Atmosphere Abstract Session (9, 37, 43, 49, 85, 86, 87, 92, 131, 110)			
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13:00 - 14:00	Lunch	13:00 - 14:00	Lunch	12:45 - 13:45	APHRODITE HALL - Closing Ceremony Conference results and awards										
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17:30 - 18:30	Expert Lectures -closed session - ERATOSTHENES Centre of Excellence / Excelsior H2020 teaming project (Prof. Nikolaos Panagiotou, Dr Diana Francis)														
20:00 - 24:00			Social Dinner - Konia Tavern (Registration for participation at the front desk) https://maps.app.goo.gl/88DhLzZzRaU1Zse48												

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Monday 17 March 2025 (Aphrodite Stage Hall)

08:00-08:45		REGISTRATION		
17/3 8:45 - 9:15		Opening Ceremony (Aphrodite Stage Hall)		
		<p><u>Welcome, Greetings and Opening Speeches</u></p> <p>1. Prof. Diofantos Hadjimitsis - ERATOSTHENES CoE & Cyprus University of Technology 2. Mr Georgios Komodromos, Permanent Secretary of the Deputy Ministry of Research, Innovation and Digital Policy of Cyprus 3. Prof. Konstantinos Karantzalos - Secretary General, Ministry of Digital Governance of Greece 4. Dr Nektarios Chrysoulakis - Director of ERATOSTHENES CoE Board - FORTH 5. Prof. Evangelos Akylas – Vice Rector of Financial Planning and Development (CUT) 6. Dr Kyriacos Themistocleous/Dr George Papadavid- Cyprus Remote Sensing Society</p>		
17/3 9:15-11:00		Keynote Speakers (Aphrodite Stage Hall)		
		<p>1. Prof. Konstantinos Karantzalos (20min) «<i>Greek National Small Satellite Program: Opportunities for Greece-Cyprus Collaboration</i>»- Secretary General, Ministry of Digital Governance of Greece 2. Dr Younes Abouyoub (20min) «<i>Collaborative Governance for Crisis Management in the MENA Region</i>» - Chief, Governance and State-Building Division for the MENA Region United Nations - Economic and Social Commission for Western Asia 3. Prof. Nikolaos Panagiotou (20min) «<i>The potential of integrating remote sensing and geospatial technologies into crisis communication</i>»- School of Journalism and Mass Communications, Aristotle University of Thessaloniki 4. Prof. George Zalides (5min), «<i>Earth observation in the Greek Payment Authority of Common Agricultural Policy</i>» - Vice President of the Greek Payment Authority of Common Agricultural Policy (OPEKEPE) in Greece 5. Prof. Ioannis Gitas (10min) «<i>MedRIN Nasa Network</i>»- Department of Forestry and Natural Environment, Chairman of the University Forest Administration and Management Fund, Aristotle University of Thessaloniki 6. Tim Lemmens (15min) «<i>Copernicus for Environment Monitoring: status and future outlook</i>» - Policy Officer at DG DEFIS, European Commission</p> <p align="center">Honorary Awards</p>		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
17/3 11:30-13:00	Marine Abstract Session	Chair: Christodoulos Mettas Chair Support: Eleftheria Kalogirou	Room: APHRODITE HALL	
	008 SENSING UNDERWATER LANDSCAPE OFF COASTAL CITIES: IMPLICATIONS FOR BETTER MANAGEMENT STRATEGIES V. Lioupa, I. Petsimeris, P. Karsiotis, F. Papavasileiou, A. Poulos-Sidiropoulos, O. Andreadis, E. Manoutsoglou, T. Hasiotis			
	010 CFAR-BASED AUTOMATIC SHIP DETECTION EXPLOITING POLARIMETRIC CORRELATION DESCRIPTORS M. Iqbal, E. Kalogirou, D. Makri, C. Mettas M. Tzouvaras, D. Hadjimitsis			
	088 AN APPROACH OF NOVEL CFAR ALGORITHM FOR MOVING SHIP MADE OIL SPILL DETECTION M. Tsvetkov			
	068 ACCELERATING OCEAN CURRENTS ANALYSIS: TILING-BASED PARALLEL COMPUTING FOR SAR IMAGERY M. Iqbal, E. Kalogirou, D Makri, C. Mettas, M. Tzouvaras, D. Hadjimitsis			
	069 HABITAT TYPES MAPPING USING REMOTE SENSING TECHNIQUES IN CYPRUS D Makri, E. Kalogirou, M. Iqbal, D. Hadjimitsis, C. Mettas			
	028 HIGH RESOLUTION AND HIGH FREQUENCY THERMAL INFRARED MONITORING OF SEA SURFACE TEMPERATURE (SST) FROM THE FOREST-CONSTELLATION A. Sarelli, G. Fotopoulos, J. Wong, C. Mollière, A. Spichtinger, L. Liesenhoff			
17/3 11:30-13:00	Workshop (see separate agenda)	Chair: Maria Prodomou Chair Support: Marina Doukanari	Room: APOLLON	
	Workshop	Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded VET project, Topic: Remote Sensing and GIS		
17/3 11:30-13:00	Annual workshop / Meeting of Mediterranean Regional Information Network (MedRIN) - NASA – Excelsior	Chair: Ioannis Gitas Chair Support: Marios Tzouvaras	Room: ADONIS	
	132 ESTABLISHING A 9M S/X/KA BAND ANTENNA IN CYPRUS: A STRATEGIC LEAP IN EARTH OBSERVATION N. Christoforou, K. Themistocleous, G. Schreier, S. Alexandrou, C. Agrotis			
	045 FOREST BIOMASS ESTIMATION IN RUGGED TERRAIN: SENTINEL-1 AND ICEYE SAR INSIGHTS K. Antoniadis, I. Gitas, N. Georgopoulos, D. Stavrakoudis			
	053 APPLICATION OF THE GAEZ METHODOLOGY FOR ASSESSMENT OF AGRO-ECOLOGICAL PRACTICES IN NORTH AFRICA C. Kalaitzidis, D. Ouerfelli			
	061 DETECTING AND MAPPING BIOCRUSTS IN THE NAMIB DESERT INCORPORATES SPECTRAL INDICES BASED ON PHYCOBILIN, CHLOROPHYLL, AND CELLULOSE K. Noy, M. Silver, E. Zaady, E. Marais, A. Karnieli			
	067 NEAR REAL TIME MONITORING OF ILLEGAL ARCHAEOLOGICAL EXCAVATIONS THROUGH REMOTE SENSING TECHNIQUES D. Abate, M.C. Salvi, M. Tzouvaras, D. Hadjimitsis			
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13:00-14:00		LUNCH		
17/3 14:00-15:30	Workshop (see separate agenda)	Chair: Gunter Schreier Chair support: Nikos Christoforou	Room: APHRODITE HALL	
	Workshop	Annual Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)": Earth observation business opportunities		
17/3 14:00-15:30	Workshop (see separate agenda)	Chair: Maria Prodomou Chair Support: Marina Doukanari	Room: APOLLON	
	Workshop	Workshop for ReSENSE Project: Remote Sensing Technologies Training is an Erasmus+ funded VET project, Topic: Remote Sensing and GIS		
17/3 14:00-15:30	Cultural Heritage Abstract Session	Chair: Konstantinos Roussos Chair Support: Georgios Leventis	Room: ADONIS	
	101 CONCEPTUAL DESIGN OF VIRTUAL WORLD FOR MONITORING AND STORYLIVING OF CULTURAL HERITAGE E. Anastasovitis, G. Leventis, G. Georgiou, M. Drousiotou			

	111	ASSESSING THERMAL STRESS ON CULTURAL HERITAGE IN LIMASSOL: A MULTI-SCALE REMOTE SENSING APPROACH USING SENTINEL-3 AND LANDSAT 9 LAND SURFACE TEMPERATURE DATA C. Dimitriou, K. Themistocleous, D. Abate, D. Hadjimitsis		
	116	BRIDGING PAST AND PRESENT: ADVANCING CULTURAL PRESERVATION THROUGH 3D DIGITIZATION K. Themistocleous, E. Evagorou, M. Camassa, D. Christofi, N. Stylianou, C. Mettas, D. Hadjimitsis		
	118	DIGITIZING THE CHURCHES OF LIMASSOL: PROCESSING PHOTOGRAMMETRIC POINT CLOUDS FOR CULTURAL HERITAGE PRESERVATION AND PUBLIC ACCESS A. Livadiotis1, K. Themistocleous1, D. Abate1, C. Mettas1, E. Evagorou1, M. Prodromou1, D. Hadjimitsis1		
	130	FOSTERING INNOVATION AND ENTREPRENEURSHIP IN CULTURAL HERITAGE: A BUSINESS WORKSHOP FOR YOUNG RESEARCHERS IN CYPRUS M. Mardini, G. Leventis, K. Themistocleous		
	105	PROXY REMOTE SENSING AND DATA FUSION FOR THE PROTECTION OF CULTURAL HERITAGE MONUMENTS G. Leventis, D. Abate, A. Argyriou, K. Themistocleous, D. Hadjimitsis		
15:30-16:00		COFFEE BREAK - POSTER PRESENTATIONS		
17/3	16:00-17:30	Workshop (see separate agenda)	Chair: Andreas Anayiotos Chair support: Nikos Christoforou	Room: APHRODITE HALL
	Workshop	Annual Workshop on "Earth observation applications and services in the Eastern Mediterranean, Middle East, and North Africa (EMMENA)": Earth observation business opportunities		
17/3	16:00-17:30	Close Hybrid Meeting (see separate agenda)		Room: APOLLON
		Excelsior Horizon 2020 Teaming Project hybrid meeting (All + EAB)		
17/3	16:00-17:30	Cultural Heritage Abstract Session & Round Table Discussion	Chair: Kyriacos Themistocleous Chair Support: M. Salvi	Room: ADONIS
	048	A STANDARDIZED FRAMEWORK FOR SPATIOTEMPORAL DOCUMENTATION OF CULTURAL HERITAGE OBJECTS T. Roustanis, P. Patias, C. Georgiadis, S. Chalkidou		
	067	NEAR REAL TIME MONITORING OF ILLEGAL ARCHAEOLOGICAL EXCAVATIONS THROUGH REMOTE SENSING TECHNIQUES D. Abate, M.C. Salvi, M. Tzouvaras, D. Hadjimitsis		
	075	UAV PHOTOGRAMMETRY FOR THE PROTECTION OF CULTURAL HERITAGE: METHODOLOGIES, CASE STUDIES AND APPLICATIONS C. Ioannidis, S. Verykokou, S. Soile, C. Potsiou		
	090	BYZANTINE FORTIFICATIONS WITHIN THEIR LANDSCAPE AND ENVIRONMENTAL CONTEXT: A GIS AND A REMOTE SENSING APPROACH K. Roussos, M. Salvi, M. Mardini		
		Round Table Discussion		
17/3	17:30-18:30	Closed Hybrid Meeting (see separate agenda)		
		Expert Lectures -closed session - ERATOSTHENES Centre of Excellence / Excelsior H2020 teaming project (Prof. Nikolaos Panagiotou, Dr Diana Francis)		
End of Day 1				

Tuesday 18 March 2025

08:00-08:30		REGISTRATION		
18/3	8:30 - 9:00	Keynote Speaker (Aphrodite Stage Hall)		
		Dr Diana Francis - Assistant Professor, Earth Sciences. ENGEOS Lab Head, Khalifa University, UAE <i>'New Insights on Climate and Environmental Challenges in the Middle East through Remote Sensing'</i>		
18/3	9:00 - 11:00	Workshop (see separate agenda)	Chair: Silas Michaelides Chair support: Maria Anastasiadou	Room: APHRODITE HALL
		CAMS user intelligence and user interaction: Cyprus and Malta CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
18/3	9:00 - 11:00	Workshop (see separate agenda)	Chair: Christodoulos Mettas Chair support: Eleni Loulli	Room: ZEUS
		CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
18/3	9:00 - 11:00	Urban Applications Abstract Session	Chair: Marios Tzouvaras Chair support: Andreas Livadiotis	Room: APOLLON
		002 GENERATION OF DIGITAL TERRAIN MODELS FROM DIGITAL SURFACE MODELS USING A WATERSHED TRANSFORMATION APPROACH T. Krauß		
		011 EXPLORING MULTITEMPORAL REMOTE SENSING FOR SUBTERRANEAN FEATURE DETECTION I. Lioumbas, A. Christodoulou, A. Mentis		
		021 THE URBISPHERE SPECTRAL LIBRARY V1.0: ENABLING URBAN MATERIAL IDENTIFICATION ACROSS CITIES USING MULTI-SENSOR SATELLITE IMAGING G. Lantzanakis, N. Chrysoulakis, A. Christen, S. Grimmond, J. Birkmann		
		022 EXTRACTING AND LABELLING HYPERSPECTRAL REFLECTANCE SIGNATURES FROM HYSPEX IMAGERY A. Bantisouli, G. Lantzanakis, N. Chrysoulakis, M. Tserepis, A. Christen, S. Grimmond, J. Birkmann		
		070 UAV-BASED MULTI-ANGULAR DATASET COLLECTION FOR BRDF ESTIMATION I. Petracca, D. Latini, M. Di Giacomo, F. Niro, S. Bonafoni, F. Del Frate		
		076 ADVANCED GPR ALGORITHM FOR HIGH-RESOLUTION DETECTION AND MAPPING OF UNDERGROUND UTILITY NETWORKS M. Arvanitis		
		133 EFFICIENT LEAKAGE MONITORING THROUGH REMOTE SENSING OF WATER PARAMETERS IN WATER DISTRIBUTION NETWORK OF NESTOS AREA A. Chasiotis, E. Feloni, S. Yialama, P. Nastos		
18/3	9:00 - 11:00	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (Carbonica, GreenCarbonCY, EXCELSIOR, AfroGrow, and CERBERUS)	Chair: Roland Richard Sier Chair Support: Dimitris Koumoulidis	Room: ADONIS
		013 THE ROLE OF AGRICULTURAL ADVISORY SERVICES IN FACILITATING THE ADOPTION OF NEW TECHNOLOGIES BY YOUNG FARMERS IN THE MUNICIPALITY OF SERRES G. Kountios, S. Kanakaris, G. Papadavid		
		059 EVALUATING SOIL EROSION RISK AND SUSTAINABLE PRACTICES IN OLIVE ORCHARDS THROUGH DRONE-BASED MONITORING AND FIELD EXPERIMENTS P. Nastos, C. Pantazis, S. Solomos, I. Fountoulakis, C. Zerefos		
		123 MULTI-SCALE EARTH OBSERVATION AND GEOSPATIAL ANALYSIS FOR SUSTAINABLE VINEYARD MANAGEMENT IN THE MEDITERRANEAN T. Alexandridis, T. Koutsos, N. Karapetsas, G. Ovakoglou, I. Cherif, G. Bilas, E. Melitzanas, T. Chrysochoou, D. Bochtis, S. Theocharis, S. Koundouras		
		095 INCREASING SOIL ORGANIC CARBON STOCKS THROUGH NATURE-BASED SOLUTIONS FOR CLIMATE MITIGATION AND AGRICULTURAL SUSTAINABILITY D. Kitsou, P. Chantzi, G. Galanis, M. Giortsou, G. Kostaki, A. Arabatzis, M. Petrovski, I. Stefanija, C. Pavlopoulou, Ai. Kontogianni, G. Papadavid, C. Papoutsas, M. Tzouvaras, M. Christoforou, D. Hadjimitsis, G. Zalidis		
		066 Assessment of Drought and Soil Moisture Relationship: A case study in Cyprus using Remotely sensed data E. Neofytou, M. Eliades, S. P. Neophytides, C. Papoutsas, C. Kontoes, D. Hadjimitsis		
		073 AFROGROW: CO-CREATING LIVING LABS FOR SUSTAINABLE AGROFORESTRY AND CLIMATE RESILIENCE ACROSS AFRICA I. Varvaris; D. Hadjimitsis; S. Michaelides; M. Mavrouniotis; M. C. Stavrinos; S. Neophytides; D. Koumoulidis; N. Kokkino; B. Lojka; R. Kotrba; T. Jůnke; K. Chmelíková; M. Dettnerhofer; E. Trakalová; I. Manikas; A. B. K. Gyapong; I. Gitas; N. Georgopoulos; D. Stavrakoudis; P. A. Calatayud; B. M. Sokame; A. Comte; A. B. Tobella S. Tsitouras; G. Michailidou; D. Stavridou; A. Kyriakou; P. Ntalagiannis; I. Kostopoulos; A. Altsitsiadi; A. P. Granados Agüero; M. Ferentinou; D. Romney; M. Peligry; T. Mudumba; U. Schaffner; J. Rockloef; M. Treskova; K. Belesova; Z. Pittaki; L. Winowiecki; T. G. Vagen; C. Magaju; B. Bidder; P. Masikati; T. Landmann; J. Villinger; K. S. Akutse; D. Muchai; L. Gakii; L. Wanja; E. Tadesse; B. Mellise; G. Bowcock; R. Cohen; A. Mekuria; S. Berhanu; N. Yahya; I. Mukumbuta16; K. Muzyamba; S. Thiam; H. Tall; J. Osei Adu; E. Njukwe; A. Tenkouano; M. Savadogo; C. Nyamukondiwa; K. Evan; W. Sehularo; E. J. Tondoh; M. Bana; L. Maizan; S. Sotigui; R. Ahimon; S. Hoidn; M. L. Matthys; M. Marczak; T. Chabosseu2 D. Loginova; G. Lavranou; S. Dötterli; P. Mutungi; J. Mukeka; J. Gerald, and G. Bichanga.		
		057 A MULTIPURPOSE PLATFORM FOR PASTORAL FARMERS AND STAKEHOLDERS P. Kartsimadakis, M. Dar Ali, A. Oikonomou		
		Presentation The CERBERUS Project: Multiplatform field surveillance for crop health monitoring – <i>by M. Stavrinos</i> (Ass. Professor CUT & ERATOSTHENES CoE)		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
18/3	11:30 - 13:00	Workshop (see separate agenda)	Chair: Silas Michaelides Chair support: Maria Anastasiadou	Room APHRODITE HALL
		CAMS user intelligence and user interaction: Cyprus and Malta CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
18/3	11:30 - 13:00	Disaster Risk Reduction & Management Abstract Session	Chair: Evagoras Evagorou Chair support: Demetris Christofi	Room: APOLLON
		004 CYPRUS USER ACCESS MANAGEMENT TO MULTIDOMAIN MARKETPLACE (CUAM3) D. Risquez, C. Dimopoulos, C. Panayi, A. Gkountis, K. Katzis, G. Boustras, M. Hadjithiodosiu,, S. Pirio		
		034 DEVELOPING A SATELLITE-BASED TECHNIQUE FOR FLASH FLOOD DETECTION IN ARID REGIONS N. Ronen, S. Isaacson, E. Chen, S. Rotman, D. Blumberg, S. Ravan, M. Goyal, N. Kumar, S. Rakkasagi, S. Maman		
		064 EXPLORING WITH TIME-SERIES SATELLITE DATA NUCLEAR POWER CERNAVODA ENVIRONMENT M. Zoran, D. Savastrou, M. Tautan, D. Tenciu, A. Stanciu		
		109 ASSESSING WILDFIRE IMPACTS IN LOS ANGELES USING VIIRS AND LANDSAT-9 TIRS IMAGERY A. Galodha <i>presenting online</i>		
		113 ASSESSING WATER LOSS AND SEDIMENT DEPOSITION AT MAVROKOLYMPUS DAM USING MULTIMODAL METHODS: TLS, UAV, AND SATELLITE IMAGERY D. Christofi, E. Evagorou, C. Mettas, N. Stylianou, D. Hadjimitsis		

18/3	11:30 - 13:00	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (ECO-READY and LandShift)	Chair: Ioannis Varvaris Chair support: Dimitris Koumoulidis	Room: ADONIS
		114 REMOTE SENSING CAPABILITIES FOR THE ESTABLISHMENT OF A FOOD SAFETY AND FOOD SECURITY OBSERVATORY IN EUROPE E. Christoff, S. Duarte, T. Schoppema, B. van der Velden, I. van der Fels - Klerx A. Hurriyetoglu		
		115 AI-POWERED ECONOMIC FORESIGHT MODELLING FOR GLOBAL WHEAT PRODUCTION: A SCENARIO-BASED MAGNET-AI STUDY M. Hajjalibeigi, X. Wang, S. Moghayer, D. Korporaal, A. Hurriyetoglu		
		042 TOWARDS A BIG DATA INFRASTRUCTURE AND MONITORING DASHBOARD FOR THE FOOD SECURITY DOMAIN T. Diamantopoulos, D. Nastos, A. Michailoudis, A. Symeonidi		
		072 LANDSHIFT: CO-CREATING LIVING SPACES TO RESOLVE LAND-USE CONFLICTS FOR CLIMATE-RESILIENT LANDSCAPES I. Varvaris; D. Hadjimitsis; K. Themistocleous; S. Michaelides; M. Mavrouniotis; R.E. Mamouri; S. Neophytides; D. Koumoulidis; N. Kokkinos; A. Coudard; J. Overmeer; R. Brumana; N. Genzano; M. Gabriele; D. Caniani; V. Tramutoli; S. Masi; I. M. Mancini; F. Di Capua; G. Castronuovo; A. Nappi; P. Viggiano; M. Tondriaux; S. Duthoit; A. Gensane; N. Lagarrigue; A. Fromage-Mariette; L. Dezou; D. Rambaud; P. Chmielirski; B. Wieliczko; M. Żekało; M. Maciejczak; P. Sulewski; A. Perkowski; A. Siczka; O. Sakal; A. Dorosh; S. Ibatullin; R. Derkul'sky; R. Tytykalo; O. Melnyk; Y. Khan; G. Galanis; P. Chantzi; G. Kostaki; D. Kitsou; M. Giortsou; O. Chatzopoulos; V. Amiridis; S. Kartsios; M. Mermigkas; S. Papatheochari; G. Katoufas; P. Pirlot; G. Sacchetti; F. Piatto; E. Pajot; A. Altitsiadis; N. Sotiriou; K. Karaboiki; D. Voloudakis; M. Dermata; F. D. Frate; F. Bassini; I. Gitas; G. Zalidis; D. Stavrakoudis; N. Georgopoulos; A. Muller; K. De Luca; G. Giuliani; C. Planque; S. Chognard; S. Hoidn; D. Loginova; T. Chabosseau, and G. Lavranou.		
		024 ACCURACY ASSESSMENT OF GLOBAL AND REGIONAL LAND COVER MAPS: A CASE STUDY IN NORTHERN GREECE T. Katagis, A. Abdollahnejad, N. Georgopoulos, E. Gkounti, I. Gitas		
		117 ON THE IMPLEMENTATION OF LULUCF MONITORING PLATFORMS IN THE CONTEXT OF AFOLU SECTOR AND REGENERATIVE AGRICULTURE (RA) M. Gabriele, R. Brumana, N. Genzano		
		045 FOREST BIOMASS ESTIMATION IN RUGGED TERRAIN: SENTINEL-1 AND ICEYE SAR INSIGHTS K. Antoniadis, I. Gitas, N. Georgopoulos, D. Stavrakoudis		
18/3	11:30 - 13:00	Workshop (see separate agenda)	Chair: Christodoulos Mettas Chair support: Eleni Loulli	Room: ZEUS
		CEOPS: Mapping Public Sector Needs & Opportunities with Earth Observation in Cyprus		
	13:00-14:00	LUNCH		
18/3	14:00 - 15:30	Workshop (see separate agenda)	Chair: Costantinos Panayiotou Chair support: Alexia Tsouni	Room: APHRODITE HALL
		Excelsior Workshop "Building synergies among researchers, decision makers and first responders: From flood risk assessment to operational flood risk reduction services"		
		84 HOLISTIC MULTICRITERIA FRAMEWORK TO ASSESS FLOOD RISK IN GARYLLIS RIVER BASIN, CYPRUS J. Kountouri, C. Panayiotou, A. Tsouni, S. Sigourou, V. Pagana, C. Mettas, E. Evagorou, H. Kontoes, D. Hadjimitsis		
		93 MULTI-PARAMETER FLOOD RISK ASSESSMENT METHODOLOGY FOR FLASH FLOODS IN URBAN RIVER BASINS: CASE STUDY IN MANDRA, GREECE A. Tsouni, S. Sigourou, V. Pagana, P. Dimitriadis, T. Iliopoulou, G.F. Sargentis, R. Ioannidis, E. Chardavellas, D. Dimitrakopoulou, M. Alexopoulos, N. Mamas, D. Koutsoyiannis, H. Kontoes		
18/3	14:00 - 15:30	Workshop (see separate agenda)	Chair: Kyriacos Themistocleous Chair support: Mahmoud Mardini	Room: ZEUS
		An Innovation Workshop for Young Researchers: Commercializing Cultural Heritage in Cyprus" Organized by ENGINEER Project		
18/3	14:00 - 15:30	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (LandShift)	Chair: Marinos Eliades Chair support: Fotini Kavazi	Room: ADONIS
		081 THE IMPACT OF SOIL QUALITY ON AGRICULTURAL LAND PRICES IN UKRAINE A. Dorosh, Y. Dorosh, S. Ibatullin, O. Dorosh, O. Sakal, R. Derkul'sky, R. Kharytonenko, D. Melnyk <i>presenting online</i>		
		125 MAPPING FOREST DISTURBANCES IN NATIONAL NATURE PARK "SKOLE BESKIDS" USING SATELLITE REMOTE SENSING METHODS O. Chaskovskyy, S. Havryliuk, O. Sinkevych, A. Nechepurenko, O. Pelyukh		
		054 BUILDING CLIMATE RESILIENCE IN MOUNTAIN REGIONS G. Xekalakis, M. Bügelmayer-Blaschek, C. Anastasiou, P. Molina Lopez, I. Gamallo-Paz, T. Tötzer, V. Pavone, E. Kazamia, P. Christou, D. Havlik		
		065 ASSESSMENT OF CLIMATE CHANGE IMPACTS ON CARPATHIAN MOUNTAINS FOREST VEGETATION THROUGH TIME-SERIES SATELLITE IMAGERY M. Zoran, D. Savastrou, M. Tautan, D. Tenciu, A. Stanciu		
		023 NEAR-REAL TIME ACTIVE FIRE DETECTION WITH THE FOREST-CONSTELLATION A. Sarelli, G. Fotopoulos, M. Bereczky, K. Würf, J. Gottfriedsen		
		006 EMPLOYING SPATIAL QUERIES IN QGIS: IDENTIFICATION AND EVALUATION OF POTENTIAL SITES FOR FOREST NURSERIES INSTALLATION IN THE LIMASSOL REGION. D. Koumoulidis, I. Varvaris, D. Hadjimitsis		
		025 HARMONIA: INTRODUCING A DIGITAL URBAN PLANNING DECISION SUPPORT TOOL, TOWARDS MORE RESILIENT AND SAFER EUROPEAN CITIES C. Kontopoulos, E. Magkoufis, N. Tzortzi, MS. Lux		
		039 SPATIOTEMPORAL CHANGES OF BUCHAREST URBAN GREEN ANALYSIS THROUGH TIME-SERIES SATELLITE DATA D. Savastrou, M. Zoran		
18/3	14:00 - 15:30	Communications and Signal interference Abstract Session	Chair: Andres Anayiotos Chair support: Stelios Neophytides	Room: APOLLON
		003 CYPRUS' STRATEGIC ROLE IN EU GOVSATCOM: END-USER REQUIREMENTS AND INDUSTRIAL CAPABILITIES FOR SECURE SATELLITE COMMUNICATIONS C. Panayi, K. Katzis, D. Risquez, A. Gkountis, O. Pavlou, D. Vouyioukas, K. Maliatsos, K. Karantonis, M. Hadjitheodosiou		
		044 CONCURRENT OBSERVATION OF L-BAND SCINTILLATION AND ROTI OVER CYPRUS T. Biswas, H. Haralambous		
		046 ASSOCIATION BETWEEN TOP AND BOTTOMSIDE IONOSPHERIC IRREGULARITIES OVER MIDLATITUDE IONOSPHERE P. Krishnendu Sekhar, H. Haralambous		
		047 ASSESSMENT OF THE MIDLATITUDE SF DETECTION P. Krishnendu Sekhar, H. Haralambous		
		055 RARE OPPORTUNITY TO COMPARE TOPSIDE IN-SITU ELECTRON DENSITIES FROM SWARM SATELLITES WITH IONOSONDES H. Haralambous, S. Kousios, P. Krishnendu Sekha		

15:30-16:00		COFFEE BREAK - POSTER PRESENTATIONS		
18/3	16:00 - 17:30	Poster Presentations	Session Support: Christos Theocharidis, Georgia Charalambous	Room: APHRODITE HALL
Poster Presentations ID: 7,14, 15, 16, 17, 27, 29, 30, 31, 32, 33, 35, 38, 41, 63, 78, 82, 83, 120, 126, 127, 98, 102, 103, 104, 106, 53, 134, 62, 94, 121, 128, 12, 13, 18, 20, 19, 60, 108,50, 119,107, 97.				
18/3	16:00 - 17:30	Closed Excelsior Meeting		Room: APOLLON
External Advisory Board meeting of Excelsior H2020 Teaming project organized by CUT (Day 1)				
18/3	16:00 - 17:30	Workshop in Advancing Climate Action, Environmental Sustainability, and Food Security through Synergies (Nostradamus)	Chair: Ioannis Varvaris Chair support: Roland Richard Sier	Room: ADONIS
	071	NOSTRADAMUS: HARNESSING DATA CUBES AND MULTIPLE SOURCES OF DATA FOR SUSTAINABLE AGRICULTURE AND FOOD SECURITY I. Varvaris; D. Hadjimitsis; S. Michaelides; D. Koumoulidis; T. Polydorou; C. Mettas; C. Panagiotou; S. Neophytides; M. C. Stavriniades; J. Kountouri; S. Georgiou; M. Doukanari; C. Eisfelder; F. Bachofer; B. Mukanov; N.A. Toshikj; D. Jancheski; B. Jevremovikj; J. Zorić; T. Bokan; L. Abraham; T. Kozic; D. Copot; N. Borchard; W. L. Tsai; I. Manikas, G. P. Kandel; V. Coiřan; J. Poláková; P. Hamouz; A. Hruška; O. Marko; S. Brdar; D. Pavlović; P. Gonçalves; M. Sagona; S. Vaccari; H. Caumont; D. Jeric; L. Resman A. Miholić; V. Naydenova; V. Orsić; M. Khanom; G. Papadavid; T. Diamantopoulos; K. Panayiotou; E. Tsardoulis; A. Symeonidis; G. Giuliani; B. Chatenoux; T. Piller; A. Benvenuti; S. Hoidn; D. Loginova; T. Chabosseau; G. Lavranou; H. R. Nasser, and T. Anken		
	051	A HYBRID EDGE-TO-CLOUD ARCHITECTURE TOWARDS LOW-CODE DEVELOPMENT OF GLOBAL FOOD-SECURITY APPLICATIONS: THE NOSTRADAMUS CASE K. Panayiotou, E. Tsardoulis, A. Symeonidis, T. Diamantopoulos		
	089	AGRI-FOOD MODELLING: SOCIO-ECONOMIC DATA AND DATA-GAPS D. Loginova, S. Hoidn		
	040	INVESTIGATING THE IMPACT OF DROUGHT DYNAMICS ON VINE YIELD PRODUCTION IN CYPRUS E. Loulli, M. Eliades, I. Varvaris, M. Stavriniades, C. Papoutsas, M. Tzouvaras		
	074	CROP TYPE MAPPING BY OPTICAL AND RADAR REMOTE SENSING DATA B. Arastoo		
18/3	16:00 - 17:30	Communications and Signal interference Abstract Session	Chair: Nikos Christoforou Chair support: Giorgos Kotsias	Room: ZEUS
	056	COMPARISON BETWEEN AUTOMATICALLY AND MANUALLY SCALED IONOSPHERIC CHARACTERISTICS OVER CYPRUS H. Haralambous, S Athanasopoulou		
	080	IONOSPHERIC MONITORING USING LOW-COST GNSS RECEIVERS C. Oikonomou, H. Haralambous		
	096	AN APPROACH OF SDR SENSORS NETWORK DEVELOPMENT FOR COMMERCIAL DRONE DETECTION AND TRACKING M. Tsvetkov		
	132	ESTABLISHING A 9M S/X/KA BAND ANTENNA IN CYPRUS: A STRATEGIC LEAP IN EARTH OBSERVATION N. Christoforou, K. Themistocleous, G. Schreier, S. Alexandrou, C. Agrotis		
End of Day 2				
18/3	20:00 - 24:00	Social Dinner - Konia Tavern (Registration for participation at the front desk) https://maps.app.goo.gl/88DhLZeZRaU1Zse48		

Wednesday 19 March 2025

08:00-08:30		REGISTRATION		
19/3	8:30 - 9:00	Keynote Speaker (Aphrodite Stage Hall)		
		Mr Vincent Ambrosia - Adjunct Research Faculty, Department of Applied Environmental Science, School of Natural Sciences (SNS), California State University - Monterey Bay (CSUMB) <i>"Reflections on 40-Plus Years of Supporting Earth Observation Science for Wildland Fire: Where We Have Been & Where We Are Going"</i>		
19/3	9:00 - 11:00	Workshop (see separate agenda)	Chair: Christiana Papoutsas Chair support: George Papadavid	Room APHRODITE HALL
	Workshop	Stakeholder Dialogue: Carbon Farming Practices in Agriculture Organized by CARBONICA Project		
19/3	9:00 - 11:00	Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project	Chair: Michalis Mavrovouniotis Chair support: Charalambos Chrysostomou	Room: ADONIS
	005	EVALUATION OF PRE-PROCESSING METHODOLOGIES FOR NORMALIZED VEGETATION ANALYSIS DATA. Z. Huang, S. Neophytides, M. Mavrovouniotis, T. Kasparis, W. Wu		
	026	INNOVATIVE COASTAL MANAGEMENT: LEVERAGING AI AND SATELLITE IMAGERY FOR MONITORING URBAN AND PORT ENVIRONMENTS WITHIN THE OCEANIDS PROJECT E. Marinou, E. Magkoulis, P. Kolokoussis, C. Kontopoulos, V. Charalampopoulou		
	036	DEEP LEARNING-BASED GRASSLAND MAPPING WITH SENTINEL-2: PRIORITIZING KEY SPECTRAL BANDS AND TIME PERIODS K. Christofi, C. Chrysostomou, I. Tsardanidis, M. Mavrovouniotis, H. Kontoes, D. Hadjimitsis		
	052	A COMPARATIVE STUDY OF NDVI, SVM, AND NEAREST NEIGHBOR ALGORITHMS FOR EFFECTIVE LAND USE LAND COVER CLASSIFICATION S. Parupalli, A. Kodimela, Y. Chinnam, K. Venkata Ramana		
	058	AN EMPIRICAL COMPARISON OF MACHINE LEARNING ALGORITHMS FOR GROUNDWATER QUALITY CLASSIFICATION S. Neophytides, E. Neofytou, M. Eliades, C. Chrysostomou, M. Mavrovouniotis, D. Hadjimitsis		
	079	HYPERBOLA: AI-POWERED CLOUD MASKING FOR ON-BOARD HYPERSPECTRAL DATA PROCESSING M. Banti, G. Gousios, T. Mamouka, P. Vourlioti, C. Paraskevas, S. Kotsopoulos		
	091	A TOOLKIT FOR AMBULANCE DISPATCH AND ROUTING OPTIMIZATION USING AI AND GIS S. Mappouras, M. Gemenaris, S. Zambirinis, M. Mavrovouniotis, M. Anastasiadou, R. Constantinou, T. Theodosiou, A. Antoniadis, E. Kyriacou		
19/3	9:00 - 11:00	Atmosphere Abstract Session	Chair: Argyro Nisantzi Chair support: Hossein Panahifar	Room: ZEUS
	009	ONE YEAR OF GROUND-BASED SOLAR IRRADIANCE MEASUREMENTS: DATA QUALITY ASSESSMENT AND INSIGHTS FROM LIMASSOL CYPRUS SITE. G. Charalampous, K. Fragkos, I. Fountoulakis, D. Hadjimitsis, S. Kazadzis		
	037	CLIMATE EFFECTS OF AEROSOLS IN THE BUCHAREST METROPOLITAN AREA M. zoran, D. Savastrou, M. Tautan, D. Tenciu, A. Stanciu		
	043	IMPROVING GNSS POSITIONING BY INGESTING REGIONAL CHARACTERISTICS INTO AN IONOSPHERIC MITIGATION ALGORITHM T. Biswas, V. Petrou, H. Haralambous		
	049	VALIDATION OF PRECIPITABLE WATER VAPOR (PWV) PRODUCTS USING CYMETEO GNSS NETWORK IN CYPRUS D. Giannadaki, C. Oikonomou, H. Haralambous, F. Tymvios, E. Loizou		
	085	A FUTURE CENTRE FOR CLIMATE AND WEATHER RESEARCH IN THE EASTERN MEDITERRANEAN: THE ATARRI PROJECT R. Mamoukri, A. Nisantzi, F. Scarlatti, E. Emili, A. Lopatin, L. Menard, R. Silva, S. Kazadzis		
	086	SEASONAL WIND ANALYSIS IN LIMASSOL, CYPRUS, USING THE GROUND-BASED DOPPLER LIDAR OF THE CARO NATIONAL FACILITY C. Chrysostomou, G. Kotsias, P. Seifert, A. Nisantzi, J. Bühl, D. Hadjimitsis, R. Mamouri		
	087	HETEAC-FLEX MODEL: COMPARATIVE EVALUATION OF 6 FORWARD MODEL CONFIGURATIONS FOR DUST CASES USING GROUND-BASED LIDAR OBSERVATIONS IN LIMASSOL A. Savva, A. Nisantzi, M. Poutli, A. Ansmann, D. Hadjimitsis, R. Mamouri		
	092	EARTH CARE SATELLITE MISSION: CALIBRATION AND VALIDATION ACTIVITIES IN THE CYPRUS REGION M. Poutli, A. Nisantzi, D. Hadjimitsis, A. Panahifar, R. Mamouri		
	131	COPERNICUS SERVICES APPLICATION IN PUBLIC HEALTHCARE MANAGEMENT V. Tsvetkova, M. Tsvetkov		
	110	Multi-instrument platforms for investigating the aerosol-cloud-dynamic interaction in Eastern Mediterranean H. Panahifar, M. Poutli, G. Kotsias, A. Nisantzi, D. Hadjimitsis, A. Ansmann, P. Seifert, R. Mamouri		
11:00-11:30		COFFEE BREAK - POSTER PRESENTATIONS		
19/3	11:30 - 12:45	Workshop (see separate agenda)	Chair: George Papadavid Chair support: Christiana Papoutsas	Room APHRODITE HALL
	Workshop	Stakeholder Dialogue: Carbon Farming Practices in Agriculture Organized by CARBONICA Project		
19/3	11:30 - 12:45	Artificial Intelligence applications in Earth Observation and Geoinformatics Organized by ENFIELD Project	Chair: Michalis Mavrovouniotis Chair support: Charalambos Chrysostomou	Room: ADONIS
	100	ON-BOARD CONVOLUTIONAL AUTOENCODER-BASED MULTISPECTRAL IMAGE COMPRESSION: BENCHMARKING ANALYSIS ON VPU AND FPGA G. Guerrisi, S. Sasidharan, D. Barretta, F. Del Frate		
	112	MACHINE LEARNING FOR IDENTIFYING DAMAGE PATTERNS ON CULTURAL HERITAGE – CASE STUDY THE TOMB OF THE KINGS IN PAPHOS, CYPRUS C. Dimitriou, K. Themistocleous, D. Abate, D. Hadjimitsis		
	124	FOREST SPECIES CLASSIFICATION USING HYPERSPECTRAL IMAGERY IN A MEDITERRANEAN FIR-DOMINATED ECOSYSTEM C. Atan		
	077	DESIGNING XR-BASED LEARNING SOLUTIONS FOR SURVEYING ENGINEERING: INSIGHTS FROM LITERATURE REVIEW AND USER REQUIREMENTS Patias, H. Georgiadis, P. G. Mallinis, A. Stamnas, V. Fragkoulidou, T. Roustanis, P. Bourdot, M. Sacco4		
	122	SPATIO-TEMPORAL DIFFUSION MODEL FOR SATELLITE IMAGERY P. Nagaraj Kashyap, A. Javanmardi, P. Jaiswal, A. Pagani, G. Reis		
19/3	11:30 - 12:45	Closed Excelsior Meeting		Room: ZEUS
		External Advisory Board meeting of Excelsior H2020 Teaming project organized by CUT (Day 2)		
12:45 - 13:45		APHRODITE HALL - Closing Ceremony Conference Results and Awards		

13:45 - 17:30

Light lunch (souvlaki) at Kato Paphos and sightseeing visit at Paphos Mosaics, Archaeological Park of Kato Paphos, Paphos Castle and Limanaki walk (registration at the front desk, available bus at Aliathon hotel)

End of Day 3

POSTER PRESENTATIONS

ID	Title
7	APPLICATION OF SENTINEL-2 SATELLITE DATA FOR MONITORING SNOW COVER IN TERRITORY OF RILA MOUNTAIN, BULGARIA A Stoyanov, T. Spasova, A. Dancheva, N. Stankova
12	THE STUDY OF THE IMPACT OF GEOLOGICAL, PETROGRAPHICAL, ENVIRONMENTAL CONDITIONS, AND DETERIORATION FACTORS ON THE ARCHAEOLOGICAL SITE OF THE TOMBS OF THE KINGS IN PAPHOS, SW CYPRUS Z. Pantazopoulou, G. Papadavid
13	THE ROLE OF AGRICULTURAL ADVISORY SERVICES IN FACILITATING THE ADOPTION OF NEW TECHNOLOGIES BY YOUNG FARMERS IN THE MUNICIPALITY OF SERRES G. Kountios, S. Kanakaris, G. Papadavid
14	ASSESSMENT OF ELECTROMAGNETIC RADIATION IN THE URBAN ENVIRONMENT A. Bouzekova-Penkova, D. Teodosiev, Y. Matviichuk, A. Miteva, T. Spasova
15	SPECTRAL MAPPING OF AN UNREGULATED DUMP AROUND SOFIA MUNICIPALITY A. Dancheva, T. Spasova, I. Ivanova
16	ECOLOGICAL ASSESSMENT OF SHABLA TUZLA LAKE USING SATELLITE METHODS FOR THE PERIOD 2017–2024 I. Ivanova, A. Dancheva, T. Spasova, N. Stankova, M. Zaharinova
17	MONITORING OF SOLAR PARK "GORNA MAHALA" BY REMOTE SENSING AND GIS A. Dancheva, T. Spasova, I. Ivanova, I. Popov, N. Stankova
18	MONITORING APPLE SCAB EPIDEMIOLOGY IN A CHANGING CLIMATE: INTEGRATING PRECISION TOOLS AND ADAPTIVE MANAGEMENT STRATEGIES M. Chatzidimopoulos, G. Kountios, K. Mpampatzanis, G. Papadavid
19	APPLICATION OF THE DINSAR METHOD FOR DETERMINING COSEISMIC DISPLACEMENT AFTER THE EARTHQUAKE ON JANUARY 7, 2025, IN THE SOUTH TIBET REGION P. Angelova-Koevska, M. Atanasova-Zlatareva
20	THE ROLE OF WHOLESALE AND RETAIL MARKETS IN THE SUPPLY CHAIN FOR FRESH FRUITS AND VEGETABLES IN GREECE A. Batzios, M. Tsioni, G. Kountios, G. Papadavid
27	METHODOLOGY FOR JELLYFISH RESEARCH IN THE BLACK SEA USING UAV T. Kaludova, K. Stefanova, V. Slabakova, V. Panayotov
29	ASSESSMENT OF POST-FIRE DISTURBANCES BASED ON REMOTELY SENSED METHODS AND DATA N. Stankova, D. Avetisyan, T. Spasova, I. Ivanova, A. Dancheva, A. Stoyanov
30	ASSESSMENT OF SNOW AND AVALANCHES IN LONGYEARBYEN, ARCTIC T. Spasova, D. Avetisyan, A. Dancheva, P. Angelova-Koevska
31	USING SATELLITE DATA TO MONITOR YIELDS OF BARLEY GROWN UNDER ORGANIC FARMING CONDITIONS M. Chanev, I. Kamenova, T. Spasova, L. Filchev
32	AN ENTROPY-BASED ATTENTION NETWORK FOR ROBUST MULTI-MODAL REMOTE SENSING APPLICATIONS A. Tairy, S. Rotman, D. Blumberg, S. Maman
33	GEOSPATIAL TECHNOLOGIES FOR MONITORING CARNIVORE ACTIVITY AT CAMPSITES: INTEGRATING REMOTE SENSING AND GIS FOR HUMAN-WILDLIFE COEXISTENCE N. Ronen, A. Alon, O. Hadar, E. Galilee, H. Yahel, Z. Sigal, Y. Zukerman, O. Berger-Tal, S. Maman
35	THE IMPACT OF AIR POLLUTION ON THE SPATIAL DISTRIBUTION OF COVID-19 ACROSS BULGARIA: A STUDY USING SATELLITE AND IN SITU DATA L. Filchev, M. Dimitrova, P. Trenchev, G. Jele, M. Chanev
38	VEGETATION INDICES GENERATED BY SATELLITE PLATFORMS USED IN ARCHAEOLOGICAL RESEARCH G. Petrov, M. Chanev, L. Filchev
41	REMOTE SENSING AND GIS AS NON-DESTRUCTIVE METHODS IN ARCHAEOLOGY M. Chanev, G. Petrov, P. Ciocani, P. Popov, K. Aleksandrov, L. Filchev
50	APPLYING REMOTE SENSING TO AUTOMATICALLY DETECT AND MONITOR XYLELLA FASTIDIOSA IN OLIVE ORCHARDS. T. Stylianou, M. Hadjichristodoulou, F. Charalampous, V. Dubovik, E. Loulli, F. Rovira-Más, L. Kanetis, M. Stavriniades, D. Hadjimitsis, C. Papoutsas
53	APPLICATION OF THE GAEZ METHODOLOGY FOR ASSESSMENT OF AGRO-ECOLOGICAL PRACTICES IN NORTH AFRICA C. Kalaizidis, D. Ouerfelli
60	EVALUATING CARBON FARMING PRACTICES FOR SUSTAINABLE SOIL MANAGEMENT IN CITRUS CULTIVATION E. Nikolaou, F. Charalambous, M. Christoforou, S. Dimitriadi, S. Efstathiou, M. Eliades, D. Hadjimitsis, E. Neofytou, G. Papadavid, M. Stavriniades, M. Tzouvaras, I. Varvaris, C. Papoutsas
62	INTEGRATING CARBON FARMING PRACTICES IN POTATO CROPPING SYSTEMS: A PATHWAY TO SUSTAINABLE AGRICULTURE S. Dimitriadi, F. Charalambous, M. Christoforou, S. Efstathiou, M. Eliades, D. Hadjimitsis, E. Neofytou, E. Nikolaou, G. Papadavid, M. Stavriniades, M. Tzouvaras, I. Varvaris, C. Papoutsas
63	ASSESSING MEDITERRANEAN FRUIT FLY INFESTATION RISK WITH SATELLITE AND GROUND-BASED MONITORING Marianna Hadjichristodoulou, Volha Dubovik, Thrasos Stylianou, Eleni Loulli, Francisco Rovira-Más, Loukas Kanetis, Menelaos Stavriniades, Christiana Papoutsas, Diofantos Hadjimitsis
78	IDENTIFY THE DROUGHT IN CYPRUS BY USING HYDROLOGICAL, HYDRAULIC AND SATELLITE DATA S. Georgiou, C. Panagiotou, D. Hadjimitsis
82	A GIS-BASED MULTI-CRITERIA DECISION ANALYSIS FRAMEWORK FOR LANDSLIDE RISK ASSESSMENT: A CASE STUDY IN AMATHOUNTA, LIMASSOL, CYPRUS. M. Doukanari, K. Fotiou, M. Tzouvaras, N. Stylianou, C. Mettas, D. Hadjimitsis
83	PROACTIVE DISASTER NOTIFICATION: UTILIZING SMART HOME NETWORKS FOR EMERGENCY RESPONSE J. Kountouri, M. Tzouvaras, C. Panagiotou, M. Prodrromou, E. Evagorou, C. Mettas, C. Panagiotou, A. Chrysaphis, D. Hadjimitsis
94	THE CO2-SOLUTIONS LIVING LAB: ADVANCING CARBON FARMING AND NATURE-BASED SOLUTIONS FOR CLIMATE RESILIENCE G. Kostaki, P. Chantzi, M. Giortsou, D. Kitsou, K. Karyotis, G. Galanis, E. Sarigiannidou
97	MACHINE LEARNING-BASED LAND USE CLASSIFICATION WITH MULTITEMPORAL SENTINEL-2 IMAGERY P. Chantzi, G. Varras, K. Karyotis, D. Kitsou, G. Kostaki, M. Giortsou, G. Galanis, G. Zalidis
98	GRADA: AN INTEGRATED SYSTEM TO ENSURE QUALITY IN TABLE GRAPES M. Kotaidou, A. Blekos, K. Chatzis, T. Chatzis, D. Konstantinidis, A. Tsourekis, G. Tsiolas, I. Kalfas, A. Argiriou, K. Dimitropoulos
102	USING SAR DATA FUSION FOR NEAR REAL-TIME APPLICATIONS TO IMPROVE MARITIME SITUATIONAL AWARENESS IN THE EASTERN MEDITERRANEAN E. Kalogirou, D. Makri, C. Mettas, D. Hadjimitsis

POSTER PRESENTATIONS

103	BRIDGING THE SKILLS GAP IN REMOTE SENSING AND GIS: INSIGHTS FROM THE RESENSE PROJECT M. Prodromou, G. Georgiou, I. Gitas, F. Georgiou, E. Gkounti, M. Kyprianou, N. Georgopoulos, D. Hadjimitsis
104	LEVERAGING MACHINE LEARNING FOR WILDFIRE RISK ASSESSMENT USING MULTIMODAL GEOSPATIAL AND CLIMATE DATA IN CYPRUS M. Prodromou, S. Girtsou, P. Vasilou, G. Leventis, A. Apostolakis, M. Tzouvaras, C. Mettas, G. Giannopoulos, H. Kontoes, D. Hadjimitsis
106	MONITORING PINE PROCESSIONARY MOTH (THAUMETOPOEA PITYOCAMPA) DEFOLIATION IN PAPHOS FOREST, CYPRUS USING SENTINEL-2 AND GOOGLE EARTH ENGINE C. Theocharidis, S. Zampirinis, M. Eliades, H. Kontoes, I. Gitas, D. Hadjimitsis
107	SEDIMENTS DYNAMICS AND TRACEABILITY TOOLS OF GREEK STEVIA IN THE SPERCHIOS RIVER BASIN P. Chantzi, S. Doani, K. Almpanakis
108	WILDFIRE EVENT DETECTION USING SOCIAL MEDIA AND EARTH OBSERVATION DATA E. Valla, M. Kaskara, A. Moumtzidou, I. Gialampoukidis, S. Vrochidis, H. Kontoes, I. Kompatsiaris
119	MAINSTREAMING CARBON FARMING PRACTICES IN CYPRUS OLIVICULTURE: THE CARBONICA PROJECT F. Charalambous, M. Christoforou, S. Dimitriadi, S. Efstathiou, M. Eliades, D. Hadjimitsis, E. Neofytou, E. Nicolaou, G. Papadavid, M. Stavrinides, M. Tzouvaras, I. Varvaris, C. Papoutsas
120	ENVIRONMENTAL MONITORING AND RISK ASSESSMENT FOR SUSTAINABLE RC BRIDGE MANAGEMENT E. Tantele, R. Votsis, N. Kyriakides, C. Filippou
121	ARTIFICIAL INTELLIGENCE AND EARTH OBSERVATION TOWARDS DISASTER RISK REDUCTION: THE AI-OBSERVER'S RESEARCH EXPLORATORY PROJECT M. Tzouvaras, R. Votsis, K. Fotiou, M. Prodromou, C. Panagiotou, E. Kalogirou, D. Christofi, G. Reis, F. Del Frate, H. Zacharatos, D. Hadjimitsis
126	DETECTION COSEISMIC DISPLACEMENT THE REGION CYCLADES M. Atanasova-Zlatareva, P. Angelova
127	PREDICTING YIELDS OF ORGANIC EINKORN BY UTILIZING OPTICAL AND SAR REMOTE SENSING DATA FROM COPERNICUS SENTINEL 2 AND SENTINEL 1 SATELLITES M. Chanev, Z. Dimitrov, T. Spasova
128	INSECT BIODIVERSITY ACROSS DIFFERENT VEGETATION TYPES OF THE AKAMAS PENINSULA, CYPRUS E. Stavrinou, M. Aristophanous, M. Christou, A. Mandoulaki, A. Neoptolemu, A. Papatheodoulou, E. Tzirkalli, A. Varnava, I. Vogiatzakis, M. Stavrinides
134	A QUASI-SYNCHRONOUS APPROACH FOR MONITORING RENEWABLE ENERGY SOURCES IN EASTERN BULGARIA T. Spasova, A. Dancheva, I. Ivanova