

program

22.10

Hellenic Mediterranean University
Events Amphitheater of the School of Health Sciences

08:45 - 09:30 **Registrations**

Chair: Gerassimos Papadopoulos

09:30 – 10:00 **Welcome Greetings**

Athanassios Ganas, Geological Society of Greece, President

Efthymios Lekkas, Earthquake Planning and Protection Organization of Greece,
President | NKUA Emeritus Professor

Georgios Tsapakos, Deputy Governor on Civil Protection, Region of Crete, Greece

Alexis Kalokairinos, Heraklion Mayor

Nikolaos Katsarakis, Hellenic Mediterranean University, Rector

Keynote Lecture

10:10 – 10:30 **Danijel Schorlemmer,**

GFZ, Germany

Every Building on Earth

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Session #1

22.10

Chair:	Gerassimos Papadopoulos
10:30 – 10:45	Eva Katsaraki Heraklion Development Agency, Greece Financial Tools and Transnational Cooperation for Civil Protection
10:45 – 11:00	George Nikoloudakis , Achilleas G. Samaras Democritus University of Thrace, Greece Utilization of Satellite Imagery for the Assessment of Coastal Morphodynamics: Application to Coasts of the Region of Crete
11:00 – 11:15	Filippos Vallianatos National and Kapodistrian University of Athens, Hellenic Mediterranean University, Greece The Institute of Physics of the Earth's Interior and Geohazards, University Center of Research and Innovation, Hellenic Mediterranean University, Crete, Greece: Research and Innovation Activities in the Front of the Hellenic Arc
11:15 – 11:30	Dimitris Diagourtas Satways Improving Situation Awareness of Greek Local Authorities
11:30 – 11:45	Eleni Gounela , Theophilos Valsamidis, Stelios Bollanos Planetek Hellas Enhancing Disaster Response through Copernicus Emergency Management Service (CEMS) Rapid Mapping; the Greek use cases
11:45 – 12:00	Vasiliki Giavi TotalView Water, Earth, Fire, Air. The Fifth Element, is Human Care. From Space!

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12:00 – 12:45 **Light Lunch Break**

Panel	Santorini 2025 Seismicity
12:45- 13:45	Gerassimos Papadopoulos, Athanasios Ganas, Charalampos Fasoulas

Session #2

22.10

Chair:	Kostas Lagouvardos, Ioanna Triantafyllou
13:45 – 14:00	Kostas Lagouvardos National Observatory of Athens, Greece Developing Early Warning Systems of Greek Municipalities and Prefectures
14:00 – 14:15	Ioannis Koukouvelas , Aggeliki Kyriou, Konstantinos Nikolakopoulos, Konstantinos Koukouvelas University of Patras, Greece Novel 3D Remote Sensing Technologies for Geosites: Modeling, Printing, and Managing Landscapes for Promotion and Protection
14:15 – 14:30	Ioanna Triantafyllou Hellenic Mediterranean University, Crete, Greece Complexity of Greek Seismicity Approached by Topological Metrics of Networks Theory: Achievements and Future Prospects
14:30 – 14:45	Nikolaos Kalapodis , Georgios Sakkas, Danai Kazantzidou-Firtinidou, Fermín Alcasena, Monica Cardarilli, George Eftychidis, Cassie Koerner, Lori Moore-Merrell, Emilia Gugliandolo, Konstantinos Demestichas, Dionysios Kolaitis, Mohamed Eid, Vasiliki Varela, Claudia Berchtold, Kostas Kalabokidis, Olga Roussou, Krishna Chandramouli, Maria Pantazidou, Mike Cox, Antony Schultz Center for Security Studies (KEMEA), Greece Recommendations for Resilient Critical Infrastructure Against Wildfires
14:45 – 15:00	Thanos Giannakakis , Giannis Alexiou, Nicos Georgiadis, Fanikos Sakellarakis WWF Greece Analysis of flooding and drought phenomena in the Kambos river basin, Ios island, Greece
15:00 – 15:15	Eleftheria Basiou , Ignacio Castro-Melgar, Ioannis Athinelis, Issaak Parcharidis National and Kapodistrian University of Athens, Greece Geospatial Analysis of the Epirus Wildfire Using Sentinel-2 Imagery: Assessing the Burn Severity and Impacts on the Land Cover
15:15 – 15:30	Konstantinos Kalaitzis , Zaimas George, Gkias Georgios, Iakovoglou Valasia Democritus University of Thrace, Greece Modeling the Impact of Forest Fires on Soil Erosion Using SWAT and GIS, a Case Study from Rhodes Island, Greece
16:30 – 15:45	Panagiotis Alexandridis National and Kapodistrian University of Athens, Greece Designing Safety: Greece's Model for Organized Preventive Evacuation During Wildfires

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15:45 – 16:00 **Ilias Argyris** | National Center for Public Administration & Local Government, Studies & Research, Greece
Dealing with the Unexpected: Evacuation Strategies during Major Fire Emergencies – The Case of the Rhodes Island Fire in 2023

16:00 – 16:30 **Coffee Break**

Session #3

22.10

Chair:	Zacharias Karantonis, Katerina Valouma
16:30 – 16:45	Georgios Efstathiou , Vasileios Christou, Christos Petalotis Mantic, Greece Pandora's Box: Bridging Science and Practice in Disaster Management
16:45 – 17:00	Harris Georgiou , Alexios Vlachopoulos, Anastasia Andriopoulou Hellenic Rescue Team of Attica (HRTA), Greece Resilient Tactical Field Communications for AI-enabled Services in Search and Rescue Operations 6G-VERSUS
17:00 – 17:15	Zacharias Karantonis , Stavros Kalogiannidis, Olympia Papaevangelou, Ioannis Papadomarkakis University of Western Macedonia, Greece Harnessing Artificial Intelligence to Thwart Armed Attacks in Educational Settings: Safeguarding Future Generations
17:15 – 17:30	Efstathios Kassios , Paraskevi Petsioti , Vasileios Mygdalis, Francesco Mureddu, Alessandro Paciaroni, Mpampis Chatzimallis, Georgios Sakkas Center for Security Studies (KEMEA), Greece Report on Current Technological Tools for Natural Disaster Management: Enhancing Civil Protection with Big Data Analytics and AI - A Comparative Analysis with the TEMA Platform
17:30 – 17:45	Spyridon C. Athanasiadis , Xenofon Vasilakos, Nikos Mitro, Vasiliki Tsiplakidi, Dimitris Fragkos, Thanasis Douklias, Lazaros Karagiannidis, Konstantinos V. Katsaros, Eleftherios Ouzounoglou, Angelos Amditis Institute of Communication and Computer (ICCS), Greece AI-Assisted Robotic Surveillance for Crisis Monitoring: Integrating UAVs and Ground Robots over 5G and 6G networks

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- 17:45 – 18:00 | **Katerina Valouma**, Nikos Mitro, Thanasis Douklias, Giorgos Oikonomou, Eleftherios Ouzounoglou, Lazaros Karagiannidis, Angelos Amditis, Prodromos Boutis, Anastassios Dimou, Manousos Logiaklis, Iliana Vasilopoulou | **Institute of Communication and Computer (ICCS) , Greece**
Augmented Situational Awareness for Search & Rescue and Decontamination in CBRN-E Scenarios through Sensor-Driven Decision Support and AI Tools
- 18:00 – 18:15 | **Dimitrios Solakis**, Dimitrios Kalfas, Theocharis Zagas, Zacharoula Andreopoulou | **University of Western Macedonia, Greece**
An Energy Autonomous IoT-WSN Information System for Early Wildfire Detection and Civil Protection Support: A Case Study in Prespa National Park
- 18:15 – 18:30 | **Alexandros Kodonas**, Giorgos Konteos, Stamatis Kotsas, Maria Kodona | **University of Western Macedonia, Greece**
The Role of Smart Devices in Business Growth: Implications and Opportunities Through Smart Marketing and Business Communications in the Context of Civil Protection and Crisis Management
- 18:30 – 18:45 | **Dimitris Diagourtas**, K. Kandakis, L. Perlepes, A. Iliakidis, D. Mantas, M. Paschalidou, M. Masouridi, I. Kapris, T. Kapatseli, N.Passas | **Satways, COSMOTE, Attica Prefecture**
Innovative Fire Protection System for Alsos Veikou
- 18:45 – 19:00 | **Filip Sever** | **Kajaani University of Applied Sciences & University of Lapland, Finland**
Empowering Civil Protection: Bridging the Gap Between New Tools and Daily Operations

Session 4

23.10

Chair:	Konstantinos Chouvardas, Athanasios Ganas
09:00 – 09:15	Paschalia Machaira , Anastasia Chalkidou, Tom Kontogiannis, Pavlos Delias Technical University of Crete, Greece Modeling of Operation and Coordination of Emergency Response Bodies Involved in the Management of Technological Accidents
09:15 – 09:30	Stavros Kalogiannidis , Alexandra Drosou, Christina-Ioanna Papadopoulou University of Western Macedonia, Greece Cooperation, Information Dissemination and Public Trust in Greece: Civil Protection and Media
09:30 – 09:45	Evangelos Katsaros European University Cyprus Challenges in Cross Border Cooperation in Disaster Risk Reduction and Management
09:45 – 10:00	Stavros Kalogiannidis, Konstantinos Spinthiropoulos, Fotios Chatzitheodoridis, Dimitrios Kalfas , Georgios Vildos University of Western Macedonia, Greece Civil Protection and Crisis Management in the Era of Climate Change: Challenges, Innovations, and the Role of Local Communities
10:00 – 10:15	Fivos Andritsos , Miranda Dandoulaki Hellenic Mediterranean University, Greece, IDRiM Society Towards Participatory Situational Awareness in Emergencies
10:15 – 10:30	Konstantinos Chouvardas Region of Eastern Macedonia and Thrace, Greece The Importance of Dynamic Risk Assessment after a Disaster: A Critical View on the Disaster Management Cycle with References to the Region of Eastern Macedonia and Thrace
10:30 – 10:45	Miranda Dandoulaki IDRiM Society Considering Civil Protection in Spatial Planning in Greece: The Case of Local Urban Plans and Urban Accessibility Plans
10:45 – 11:00	Athanasios Ganas , Varvara Tsironi, Charalampos Kontoes, Stavroula Alatza, Konstantinos Nikolakopoulos, Aggeliki Kyriou, Vasiliki Charalampopoulou National Observatory of Athens, Greece, Geosystems Hellas Land Deformation Monitoring for Geohazard Resilience: The SAT4GAIA Greek National Satellite Space Project

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- 11:00 – 11:15 **Ioanna Triantafyllou**, Andrzej Kijko, Gerassimos A. Papadopoulos | **Hellenic Mediterranean University, Greece**
Probabilistic Seismic Hazard Assessment in the Corinth Rift (Central Greece) From Incomplete and Uncertain Earthquake Catalogue Data Sets
- 11:15 – 11:30 **Dimitris Diagourtas**, Nikos Siagas, Leonidas Perlepes | **Satways**
New Tools for improving response capabilities in Attica

Keynote Lecture

- Chair: Gerassimos Papadopoulos
- 11:30 – 12:00 **Mohammad Heidarzadeh**,
Bath University, UK
Tsunami Hazards and Risk Mitigation in Greece from the Hellenic Subduction Zone

12:00 – 12:30 **Coffee Break**

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Session #5

23.10

- Chair: Miranda Dandoulaki, Anna Margiolaki
- 12:30 – 12:45 **Theophilos Valsamidis**, G. Benekos, D. Grigoriadis, S. Touloumtzi, M. Sdraka, I. Papoutsis, G. Papadopoulos, D.E. Argiropoulos, P. Trahanias, Th. Giannaros, K. Lagouvardos, V. Kotroni, D. Bliziotis, K. Kikaki, Ana Sofia Oliveira, Ariane Muting | **Planetek Hellas**
GNEO AXIS 3 Safety and Security Service: A Greek EO-Based Service Supporting Disaster Response and Security in the Country
- 12:45 – 13:00 **Christos Dimopoulos** | **CERIDES, European University, Cyprus**
Enhancing the Effectiveness of Disaster Preparedness Exercises: The FAIM Exercise Evaluation Framework

- 13:00 – 13:15 **Dimitrios Iliadis**, Youla Karavidopoulou, Konrad Dzidkowiak, Mateusz Ozimek, Sylwester Bąkowski, Martin Kostolny, Rafał Cencora, Kamila Kabo-bah, Rafał Borek | **Hellenic Rescue Team of Thessaloniki, Greece**
SAT2RESCUE Project - Secured Satcom-Based Solution Enhancing Emergency Services and Search & Rescue Missions: The Pilot Demonstration in Greece
- 13:15 – 13:30 **Anna Margiolaki**, Nikos Stefanopoulos, Panagiotis Kiekkas, Angeliki Bistaraki | **University of Patras, Hellenic Mediterranean University, Greece**
The Development of a New Aerial Search and Rescue System in Greece: an Activity Theory Perspective
- 13:30 – 13:45 **Christos Dimopoulos**, Evangelos Katsaros, Demetris Hadjiloucas | **CERIDES, European University, Cyprus**
FloodNorthALB: Lessons Learned from the Implementation of a UCPM Full-Scale Flood Preparedness Exercise in Albania

Round Table	Civil Protection Now
13:45- 15:00	Eleni Ploumidi, Konstantinos Chouvardas, Evaggelos Loukakis Moderator: Ilias Argyris

Session #6

23.10

- Chair: Aikaterini Poustourli, Paraskevi Georgiadou
- 16:15 – 16:30 **Paraskevi Georgiadou**, Theoni Koukoulaki, Konstantina Kapsali | **Hellenic Institute for Occupational Health and Safety, Greece**
Enhancing Awareness and Preparedness in Response to Emergencies and Environmental Threats
- 16:30 – 16:45 **Aikaterini Poustourli** | **International Hellenic University (IHU), Greece**
Policies and Standardisation in Support of the Security and Protection of Cultural Heritage
- 16:45 – 17:00 **Costas Antoniadis**, A. Tsoukala, A. Antoniadis, G. Kapris | **Greek Ombudsman, National and Kapodistrian University of Athens, Greece**
Offshore Drilling – Impact on the Environment & Adaptation to Climate Crisis – Need to Weigh the Pause Drilling Activities, Especially in Deep Sea Water

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- 17:00 – 17:15 | **Mohammad Alfehaid**, Charles Nuncio | **University of Wyoming, United States**
Pre-CO₂ Injection Analysis of Nugget Sandstone Using Microseismic and InSAR
- 17:15 – 17:30 | Stavros Kalogiannidis, Konstantinos Spinthiropoulos, Fotios Chatzitheodoridis,
Dimitrios Kalfas, Argyropoulos Nickolaos | **University of Western Macedonia, Greece**
Civil Protection and Water Scarcity: Challenges, Strategies, and Sustainable Solutions
- 17:30 – 17:45 | **Eleni Mavroulea**, Assimina Antonarakou, Efthymios Lekkas | **National and Kapodistrian University of Athens, Greece**
The Importance of Educating the Young Generation in Island Regions for Effective Crisis Management of Natural Disaster
- 17:45 – 18:00 | Archonti Kalogiannidou, Christina-Ioanna Papadopoulou, **Maria Paschalidou**, Eleni Chrisou | **University of Western Macedonia, Greece**
Addressing Water Shortages in Tourism-Intensive Islands: The Contribution of Civil Protection
- 18:00 – 18:15 | **Kyriaki Papadopoulou**, Foteini Kagioglou, George Konteos, Evagelia Chantava | **University of Western Macedonia, Greece**
The European Ombudsman's Interventions as Good Practice Towards Climate Crisis Management
- 18:15 – 18:30 | **Maria Brilaki**, A. Antoniadis, C. Antoniadis | **Ministry for Climate Crises and Civil Protection, Greek Ombudsman, National and Kapodistrian University of Athens**
Civil Protection – National Disaster and Crisis Management Action Plan
- 18:30 – 18:45 | **Kostas Kokolakis** | **Municipality of Thermaikos**
Civil Protection in Greece - Welcome to the Theater of the Absurd

Session 7

24.10

Chair:	Costas Antoniadis, Olympia Papaevangelou, Charalampos Marneras
10:00 – 10:15	Mirto Plexousaki , Mirto Plexousak, Evika Karamagioli, Emmanouil Pikoulis National Observatory of Athens, Greece, Geosystems Hellas The Role of Escape Rooms in Health Education
10:15 – 10:30	Vasiliki-Georgia Bilali Institute of Communication and Computer (ICCS), Greece A Citizen-Centric Mobile Application for Health Crisis Preparedness and Response: The PREPSHIELD Approach
10:30 – 10:45	Olympia Papaevangelou , Ioannis Papadomarkakis, Stavros Kalogiannidis University of Western Macedonia, Greece Education's Role in Cultivating a Culture of Civil Protection
10:45 – 11:00	Christina-Ioanna Papadopoulou , Theodora Samara, Andreas Andreopoulos, Sophia Chita University of Western Macedonia, Greece Fiscal Measures and Sustainable Development: An Analysis of the Impact of Climate Change on Public Finances
11:00 – 11:15	Costas Antoniadis Greek Ombudsman, National and Kapodistrian University of Athens Climate Crisis and Refugee - Migration Issues
11:15 – 11:30	Theodora Skorda , Stavros Kalogiannidis, Olympia Papaevangelou, Stamatis Kontsas, Vaggelis Tsepouras University of Western Macedonia, Greece Counseling Support and the Integration of Immigrants in the Greek Context: Challenges and Prospects
11:30 – 11:45	Dimitris Diagourtas , Antonis Kostaridis, Nikos Siagas, Leonidas Perlepes Satways Implementing Smart Fire Detection Systems around Greece
11:45 – 12:00	Vasileios Gkouliaveras, Dimitrios Kalfas, Kyriaki Papadopoulou , Spyridon Ntagkas University of Western Macedonia, Greece Health Systems and the Climate Crisis: The Need for Strategic Resilience
12:00 – 12:15	Charalampos Marneras Ministry of Culture, Ephorate of Antiquities of Dodecanese, Greece Threats and best practices for the prevention and management of natural disasters in Archaeological sites and Cultural Monuments
12:15 – 12:30	Coffee Break

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Poster Short Presentations

24.10

Chair:	Filippos Vallianatos, Areti Plessa
12:30 – 12:35	Kyriaki Pavlou, Eirini Sardeli, Antonis Tomaras, Anatoli-Anastasia Kazakou, Chrysoula Travlostathi, Filippos Vallianatos National and Kapodistrian University of Athens, Greece Study of V_p/V_s Ratio Variations During the 2025 Santorini-Amorgos Seismic Swarm (Greece)
12:35 – 12:40	Kalliopi-Mikaela Papa , Marinos Kritsotakis, Eleni Kargaki, Evgenia Stylianou Technical University of Crete, Greece Assessing Flood Risk and Extreme Precipitation in Crete
12:40 – 12:45	Ioannis Mozakis , Myrto Konstaninidou, Effie Marcoulaki Hellenic Mediterranean University, Greece Reliability of deep water electricity cables: The case of the Crete-Peloponnese HVAC Interconnection
12:45 – 12:50	Filippos Vallianatos , Georgios Chatzopoulos, George Hloupis, John P. Makri, Ilias Papadopoulos, Maria Kouli, Vasilios Saltas National and Kapodistrian University of Athens, Greece Strong Ground Motion Network to Support Rapid Decision by Civil Protection
12:50 – 12:55	Antonios Tsourdalakis Agios Vasilios Municipality, Greece South Rethymno, Crete: Wind Channeling Dynamics and Wildfire Vulnerability
12:55 – 13:00	Areti Plessa , Sotirios Verroios, Asimina Kourou, Thekla Thoma, Athanasios Kotsis, Ioannis Kapris, Aikaterini Katsika, Alexandra Vasileiou, Anastasios Chachlakis, Eleftheria Amolochiti, Ioanna Chalari, Nikos Passas Region of Attica, Earthquake Planning and Protection Organization, Greece Strengthening Disaster Risk Management Through Civil Protection Exercise Evaluation: Insights from “Planet Theia 2025 – Regional Unit of North Athens”
13:00 – 13:05	Anastasios F. Mavrakis Attica Secondary Education Directorate, Greece Quantitative Criteria of Meteorological Identity of Fourth Wet and One Dry Microburst in Greece

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- 13:05 – 13:10 | Alexios Vlachopoulos, **Harris Georgiou**, Anastasia Andriopoulou | **Hellenic Rescue Team of Attica (HRTA), Greece**
Symbiotic Human-Robot Field Operations in Search and Rescue Environments - CARMA
- 13:10 – 13:15 | Evangelos Skoubris, Ioannis Christakis and **George Hloupis** | **University of West Attica, Greece**
Low Cost, AI Enabled Node for Flood Early Warning Systems
- 13:15 – 13:20 | Anastasia Andriopoulou, **Harris Georgiou**, Alexios Vlachopoulos | **Hellenic Rescue Team of Attica (HRTA), Greece**
Optimizing the Deployment of New Technologies in Urban Search and Rescue Operations - SYNERGISE
- 13:20 – 13:25 | **Ioannis Christakis** | **University of West Attica, Greece**
WSN Multi Gateway for Early Warning Systems Purposes
- 13:25 – 13:30 | Maria V. Mavraki, **Anastasios F. Mavrakis** | **Attica Secondary Education Directorate, Greece**
Completion EM-DAT Database Records Regarding Natural Disasters In Greece
- 13:30 – 13:35 | **Paraskevas Kotonopoulos** | **National and Kapodistrian University of Athens, Greece**
Contribution of Information Systems to Civil Protection: Analysis with Documented Data from International Experience
- 13:35 - 13:40 | Maria V. Mavraki, **Anastasios F. Mavrakis** | **Attica Secondary Education Directorate, Greece**
An Exploratory Analysis of EM-DAT Database for Greece
- 13:40 – 13:45 | Anastasia Stoikopoulou, Dionisios Marinos, Evangelos Filippidis, **Panteleimon Arvanitis** | **Heraklion Forest Directorate, Ministry of Environment & Energy, Greece**
An Exploratory Morphometric & Hydrographic Torrential Characteristics of Erithropotamos River
- 13:45 - 13:50 | **Ifigneia Rafailia Kypriou** | **National and Kapodistrian University of Athens, Greece**
Infectious Diseases Associated with Hydrometeorological Phenomena; Preventive Measures against Waterborne Diseases

13:50 **Closing**

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