

# program

25.09

## OPENING

Amphitheater "Ioannis Kapodistrias"

09:00 - 09:30 **Registrations**

09:30 – 10:15 **Welcome Greetings (under update)**

**Giorgos Patoulis**, Regional Governor of Attica, Greece

**Stavros Arnaoutakis**, Regional Governor of Crete, Greece

**Athanassios Ganas**, Geological Society of Greece, President

**Menelaos Gardikiotis**, Geotechnical Chamber of Greece, President

**Nikolaos Passas**, Civil Protection Director, Region of Attica, Greece

**Efthymios Lekkas**, Earthquake Planning and Protection Organization of Greece,  
President

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### Keynote Lectures

10:15 – 10:45 **Gerasimos Papadopoulos,**

*EU and UNESCO Scientific Collaborator, SafeGreece President*

**The Value of Foreshocks for the Earthquake Prediction**

10:45 – 11:15 **Efthymios Lekkas,**

*Earthquake Planning and Protection Organization of Greece, President*

**The Operational Contribution and the International Impact of the Hellenic Mission in the 6 February 2023 Earthquake in Turkey**

11:15 – 11:30 **Coffee Break**

## Special Session

25.09

## Attica

### Amphitheater "Ioannis Kapodistrias"

Chair:	<b>Nikos Passas</b>
11:30 – 11:45	<b>Ioannis Kapris</b> , Areti Plessa, Nikos Passas   Independent Direction of Civil Protection, Region of Attica, Greece Best Practices of State Body Handling Forest Fires During the Pre-Disaster Phase. The Case of Mount Penteli (19-26 July 2022)
11:45 – 12:00	<b>Theodora Kapatseli</b> , Ioannis Kapris, Aikaterini Balantinaki, Areti Plessa, Nikos Passas   Independent Direction of Civil Protection, Region of Attica, Greece Best Practices of State Body Handling Forest Fires During the Response Phase. The Case of Mount Penteli (19-26 July 2022)
12:00 – 12:15	<b>Aikaterini Balantinaki</b> , Theodora Kapatseli, Ioannis Kapris, Areti Plessa, Nikos Passas   Independent Direction of Civil Protection, Region of Attica, Greece Best Practices of State Body Handling Forest Fires During the Recovery Phase. The Case of Mount Penteli (19-26 July 2022)
12:15 – 12:30	<b>Christina Dakou</b> , Ioannis Kapris, Areti Plessa, Nikos Passas   Independent Direction of Civil Protection, Region of Attica, Greece Actions and Initiatives of Civil Protection in the Territorial Area of Piraeus and the Argosaronic Islands for the Year 2022
12:30 – 12:45	<b>Areti Plessa</b> , Miranda Dandoulaki, Katerina Orfanogiannaki, Nikos Passas   Independent Direction of Civil Protection, Region of Attica, Greece Risk Perception of Industrial Accidents Involving Dangerous Substances in the Region of Attica, Greece
12:45 – 13:00	<b>Aikaterini Balantinaki</b> , Ioannis Kapris, Areti Plessa, Nikos Passas   Independent Direction of Civil Protection, Region of Attica, Greece The Contribution of a Second-Degree Public Entity to Forest Fires: A Case Study of the Regional Unit of East Attica for the Period 2018-2022"
13:00 – 13:15	<b>Vana Giavi</b>   totalview, Greece Attica: Using Multi-Sensor, Very High Resolution Satellite Data, for a Timely and Effective Prevention of Floods and Wildfires In Semi-Urban Environments
13:15 – 13:30	<b>Antonis Kostaridis</b> , Polyzois Parthymos, Nikos Karvounakis, Konstantinos Pappas, Aggelos Aggelis, Lefteris Voumvourakis, Marianna Koultouki, Leonidas Perlepes, Dimitris Diagourtas, Chrysi Ntarda, Ilias Kasoutsas, Leonidas Vasilakakis, Kostas Tsakiroglou, Nikos Sigalas, Maritina Gatou, Alexandros Malounis, Giorgos Koromilas, Thanasis Ioannidis, Miltiadis Apostolatos, Apostolos Oikonomou, Manos Androulakis, Katerina Makri   Satways, Greece, Hellenic Fire Service, Ministry for Climate Crisis & Civil Protection, Information Society S.A., Greece The Collaborative Incident, Resource and Telematics Management System of Civil Protection Agencies

13:30 – 14:30 **Light Lunch Break**

## Session 2

25.09

### earthquakes

Amphitheater “Ioannis Kapodistrias”

Chair:	<b>Athanassios Ganas, Filippos Vallianatos</b>
14:30 – 14:45	<b>Athanassios Ganas</b> , Varvara Tsironi, Eirini Efstathiou, Emmanouela Konstantakopoulou, Nikoletta Andritsou, Vasileios Georgakopoulos, Anna Fokaefs, Panagiotis Savvaidis and Nikolaos Madonis   <b>Institute of Geodynamics, National Observatory of Athens, Greece</b> The National Observatory of Athens Active Faults of Greece Database (NOAFAULTs) as a Tool for Civil Protection and Education
14:45 – 15:00	<b>Filippos Vallianatos</b> , Ioannis Spingos, George Hloupis, Andreas Karakonstantis and Nikolaos Sakellariou   <b>National and Kapodistrian University of Athens, Greece, Institute of Physics of the Earth’s Interior and Geohazards, Hellenic Mediterranean University Research Center, University of West Attica, Greece</b> Estimation of the Earthquake Early Warning Scaling Properties of Peak Ground Acceleration with the Integral of Squared Velocity. First Results for Eastern Corinth Gulf and Western Attica Region
15:00 – 15:15	Konstantinos Papatheodorou, Nikolaos Theodoulidis, Nikolaos Klimis, Can Zulfikar, Dragos Vintila, Vladlen Cardanet, Emmanouil Kirtas, Dragos Toma-Danila, Basil Margaris, Yasin Fahjan, <b>Georgios Panagopoulos</b> , Christos Karakostas, Georgios Papanthassiou   <b>International Hellenic University, Greece, Democritus University of Thrace, Greece, Gebze Technical University, Turkey, Ovidius University of Constanta, Romania, Institute of Geology &amp; Seismology of Moldova</b> Rapid Earthquake Damage Assessment System to Support Earthquake Response
15:15 – 15:30	<b>Spyridon Mavroulis</b> , Efthymios Lekkas   <b>National and Kapodistrian University of Athens</b> 70 Years after the August 1953 Earthquakes in the Ionian Sea (Western Greece): Reviewing Prior Research and Utilizing New Data Sources with Emphasis on the Earthquakes Environmental Effects
15:30 – 15:45	<b>Anastasios Biris</b> , Asimina Kourou   <b>Civil Protection Department, Municipality of Istiaia-Edipsos, Greece, Earthquake Planning and Protection Organization of Greece</b> Enhancing the Vital Role of the Civil Protection Department of the Municipality of Istiaia-Edipsos in Seismic Risk Reduction
15:45 – 16:00	

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- 16:00 – 16:15 | **Spyridon Mavroulis**, Emmanuel Vassilakis, Ioannis Argyropoulos, Panayotis Carydis, Efthymios Lekkas | **National and Kapodistrian University of Athens, European Academy of Sciences and Arts, Greece**  
Primary and Secondary Environmental Effects Induced by the 6 February 2023 Turkey-Syria Earthquakes and their Impact on The Nature and Spatial Distribution of Building Damage
- 16:15 – 16:60 | **Maria Mavrouli**, Spyridon Mavroulis, Efthymios Lekkas, Athanassios Tsakris | **National and Kapodistrian University of Athens, Greece**  
Risk Factors for Infectious Diseases Emergence in the Area Devastated by the 2023 Turkey-Syria Earthquakes and Measures for Preventing an Imminent Health Crisis
- 16:30 – 16:45 | **Spyridon Mavroulis**, Katerina-Navsika Katsetsiadou, Michalis Diakakis, Maria Mavrouli, Christos Filis, Evelina Kotsi, Sofia Laskari, Elina Kapourani, Stylianos Lozios, Konstantinos Soukis, Eftymios Lekkas | **National and Kapodistrian University of Athens, Greece**  
Lessons Learned from Emergency Site Selection in Turkey after the 6 February 2023 Earthquakes and Integration in Disaster Management Plans of the Attica Region, Greece
- 16:45 – 17:00 | **Spyridon Mavroulis**, Maria Mavrouli, Emmanuel Vassilakis, Ioannis Argyropoulos, Panayotis Carydis, Efthymios Lekkas | **National and Kapodistrian University of Athens, European Academy of Sciences and Arts, Greece**  
Selection of Debris Disposal Sites after the 6 February 2023 Earthquakes in Southeastern Turkey, Related Hazards, and Risk Reduction Strategies

17:00 - 17:30 **Invited Talk | Chair: Gerasimos Papadopoulos**

**Ross S. Stein**

*Temblor Inc, Stanford University. USA*

**Implications of the massive, interacting 2023 M7.8 and M7.6 Türkiye earthquakes for Greece**

17:30 – 17:45 **Coffee Break**

## Session 3

### administration

25.09

### Amphitheater “Ioannis Kapodistrias”

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| Chair:        | <b>Miranda Dandoulaki, Evangelos Katsaros</b>  |
| 17:45 – 18:00 | <b>Sofia Kalogeromitrou, Miranda Dandoulaki</b>   National and Kapodistrian University of Athens, Greece, Disaster management expert, BoD IDRiM Society<br>Dwelling after Disaster: Formal Design and Spatial Improvisation in Transitional Shelter  |
| 18:00 – 18:15 | <b>Michail Christos Tsoutsos, Charalampos (Haris) Kontoes, Vassilios Vescoukis</b>   National Technical University of Athens, Greece, National Observatory of Athens, Greece<br>Devastating Natural Hazards in Greece during the Last Twenty Years   |
| 18:15 – 18:30 | <b>Konstantina - Theodora Panagou, Vasileios Martzaklis</b>   National and Kapodistrian University of Athens, Greece<br>Influence of Climate Change on Natural Disasters. The Dimension of Time in Decision Making during their Event  |
| 18:30 – 18:45 | <b>Ioannis Bakouros, Amalia Kouskoura, Eleni Kalliontzi, Ioannis Amanatidis, Ilias Tsiotsias</b>   Institute of Civil Protection, University of Western Macedonia, Greece, Hellenic Fire Brigade, Hellenic Police<br>Interactions in Civil Protection: Stakeholders in Cases of Disasters in Western Macedonia                                   |
| 18:45 – 19:00 | <b>Theodora Blioumi</b>   University of South Bohemia in Ceske Budejovice, Czech Republic<br>Institutional and Legislative Framework of Civil Protection in the Executive Greek State  |
| 19:00 – 19:15 | <b>Amalia Kouskoura, Evangelos Katsaros, Eleni Kalliontzi, Ioannis Bakouros</b>   Institute of Civil Protection, University of Western Macedonia, Greece<br>A Civil Protection Institute as Facilitator of Disaster and Emergency Management   |
| 19:15 – 19:30 | <b>Antonios Antoniadis, Ioannis Kapris, Aikaterini Tsoukala, Costas Antoniadis</b>   National and Kapodistrian University of Athens, Greece, Independent Direction of Civil Protection, Region of Attica, Greece<br>Climate Crisis, Civil Protection & Degrowth. Protecting the Environment, Reducing Vulnerability and Strengthening Resilience |

## Session 4

26.09

### floods

Amphitheater "Ioannis Kapodistrias"

Chair:	<b>Michalis Diakakis, Michalis Sioutas</b>
09:00 – 09:15	<b>Theophilos Valsamidis</b>   Planetek Hellas Copernicus Emergency Management Service (CEMS) Contribution in Rapid Emergency Response
09:15 – 09:30	<b>Michalis Diakakis</b> , Katerina Papagiannaki, Meletis Fouskaris   National and Kapodistrian University of Athens, Greece, National Observatory of Athens, Greece How Frequent are High-Mortality Floods in the Eastern Mediterranean?
09:30 – 09:45	<b>Vasiliki Vasilopoulou</b> , Emmanouel Andreadakis, Maria Stavropoulou   National and Kapodistrian University of Athens, Greece Debris Flow Simulation during the Flash Floods of November 2017 (Attica, Greece)
09:45 – 10:00	<b>Michalis Sioutas</b> , Vassilis Lekidis, Constantinos Kokolakis   Technical Chamber of Greece/Section of Central Macedonia, Hellenic Agricultural Insurance Organization Flooding Phenomena in the Metropolitan Area of Thessaloniki: Anthropogenic and Climate Change Effects
10:00 – 10:15	<b>Alexandros Ziogas, Evangelos Romas</b> , Eleni Athanasiou, Konstantinos Papaspiropoulos   EMVIS Consultant Engineers SA, Hellenic Ministry of Environment & Energy Operational Flood Early Warning System in Evros/Maritsa Transboundary Basin (Greece)

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10:15 - 10:45	<b>Invited Talk</b>   Chair: Gerasimos Papadopoulos <b>Sigurd Melin</b> , NOAQ, Sweden <b>The NOAQ Boxwall and the Potential of Mobile Flood Barriers</b>
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10:45 – 11:00	<b>Eleni Gounela</b> , Emmanouela Ieronymidi, Theophilos Valsamidis, Stelios Bollanos   Planetek Hellas Post-disaster Landslide Evaluation and Risk Assessment in Ischia island (Italy), by using Copernicus Emergency Management Service (CEMS)
11:00 – 11:15	<b>Chrysoula Papathanasiou</b> , Petros Mouzourides, Marios Vlachos, Marina Neophytou, Valantis Tsiakos, Georgios Tsimiklis, Angelos Amditis   Institute of Communication and Computer Systems – ICCS, National Technical University of Athens, Greece, University of Cyprus Enhancing In-Situ Environmental Observation to Support Desert Dust Storm Events Monitoring

11:15 – 11:30 **Coffee Break**

## Session 5

### local gov - tech

26.09

Amphitheater “Ioannis Kapodistrias”

**Chair:** Konstantinos Chouvardas, Paschalia Machaira

11:30 – 11:45 **Ioannis Kontos, Anastasia Mavridaki** | Marathon Data Systems, Greece  
ArcGIS & Crowdsourcing: A Powerful Decision-making Tool

11:45 – 12:00 **Konstantinos Chouvardas** | Civil Protection Directorate, Region of Eastern Macedonia and Thrace, Greece.  
Utilization of Technological Tools and Automation in Risk and Disaster Management at Regional Level Based on the Planning of the General Secretary of Civil Protection Requirements. The Case of the East Macedonia & Thrace Region

12:00 – 12:15 **Paschalia Machaira, Argyro Theodoraki, George Papadakis, Eleni Ploumidi** | Technical University of Crete, Greece, Civil Protection Directorate, Region of Crete, Greece  
A GIS-Platform for Emergency Response Bodies in the Management of Technological Accidents: The Case of External Emergency Plans for SEVESO Sites

12:15 – 12:30 **Evanthia Fraktopoulou, Aliko Konsolaki, Grigorios Konstantellos, Emmanuel Vassilakis, Efthymios Lekkas** | Municipality of Vari Voula Vouliagmeni, National Kapodistrian University of Athens, Greece  
Comprehensive Operational Model for Prevention and Response to Natural Disasters at the Local Government Level with Innovative Technological Equipment - The Example of the Municipality of Vari Voula Vouliagmeni

12:30 – 12:45 **Harris Georgiou, Alexios Vlachopoulos, Aspasia Tzeletopoulou, Anastasia Andriopoulou** | Hellenic Rescue Team of Attica, Greece  
Lessons from Recent Disaster Events and New Technologies for Future USAR Missions – INTREPID (Eu H2020)

12:45 – 13:00 **Chrysoula Papathanasiou, Orestis Sampson, Thanasis Douklias, Lazaros Karagiannidis, Panagiotis Michalis, Angelos Amditis** | Institute of Communication and Computer Systems – ICCS, National Technical University of Athens, Greece  
Evolution of an ICT Tool through Co-Creation for Effective Disaster Risk Management

13:00 – 13:15 **Paraskevi Petsioti, Costas Rizogiannis, Efstathios Kassios, Christos Papaioannidis, Vasileios Mygdalis, Ioannis Pitas** | Center for Security Studies (KEMEA), Greece, Aristotle University of Thessaloniki, Greece

The logo for SafeAttica 2023 features three overlapping triangles (red, blue, and white) on the left. The text 'SafeAttica' is written in a stylized, cursive font, with 'Safe' in orange and 'Attica' in grey. Below it, the tagline 'new technologies & civil protection' is written in a simple sans-serif font. To the right, the year '2023' is written vertically in orange.

# SafeAttica 2023

new technologies & civil protection

Big Data Technologies for Emergency Management - End Users Needs and Technological Capabilities in the Context of TEMA Project

13:15 – 13:30 Efstathios Skarlatos, **Vagia Pelekanou**, Zeta Aggariti, Ioannis Petropoulos, Georgios Kyragiannis, Manolis Grafakos | Center for Security Studies (KEMEA), Greece, Hellenic Police, Hellenic Ministry of Environment and Energy  
Geospatial Intelligence for the Protection of the European Territory From Organized Environmental Crime (PERIVALLON Project)

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13:30 – 14:30 **Light Lunch Break**



## Poster Session

26.09

### Hall "Rigas Ferraios"

Chair:	<b>Katerina – Navsika Katsetsiadou</b>
11:45 – 11:50	<b>Anastasia Avatagelou</b> , Emmanuel Andreadakis   National and Kapodistrian University of Athens, Greece Fire Risk Level and Trends in Attica Region, 2014-2022
11:50 – 11:55	<b>Eleftheria Stamati</b>   National and Kapodistrian University of Athens, Greece, Central Union of Municipalities of Greece Mechanism Direct Response and Support of Local Government Organizations for the Management of Risks, Disasters, and Crisis
11:55 – 12:00	Steven Deere, Darren Blackshields, Peter J Lawrence, <b>Lazaros Filippidis</b> , Lynn Husle, Edwin R Galea   University of Greenwich, U.K. matEXODUS: Simulating Terrorist Attacks on Crowds)
12:00 – 12:05	<b>Fotios Tsopeles</b> , Miltiadis Statheropoulos, Sari Yli-Kauhaluoma, Dario Ruiz Lopez, Andreas Walte, G. Eiceman, P. Vaninen   National Technical University of Athens, Greece, University of Helsinki, Finland, ATOS, Spain, AIRSENSE, Germany Chemical Risk Perception and Augmented Reality
12:05 – 12:10	<b>Vasiliki Metou</b> , Vasileios Martzaklis   National & Kapodistrian University of Athens, Greece The Importance of Environmental Awareness and Protection from Natural Disasters, through the Educational Process
12:10 – 12:15	<b>Ioannis Trigkas</b>   National and Kapodistrian University of Athens, Greece, Central Union of Municipalities of Greece Municipal Authorities and Climate Change
12:15 – 12:20	<b>Eleni Iordanidou</b> , Konstantinos Kokolakis   National & Kapodistrian University of Athens, Greece, Technical Chamber of Greece/Section of Central Macedonia Crises Management in Highway Tunnels. The Case of Tunnels on "Egnatia Motorway SA" Road Network
12:20 – 12:25	<b>Maria Daskalaki</b>   Municipality of Chania, Crete, Greece Actions to Inform and Raise Awareness Humans about Environmental Risks and Civil Protection
12:25 – 12:30	<b>Nikos Passas</b> , Nikos Bartsotas, Mariza Kaskara, Charalampos Kontoes, Areti Plessa, Ioannis Kapris   Independent Direction of Civil Protection, Region of Attica, Greece, National Observatory of Athens, Greece Mediterranean and pan-European Forecast and Early Warning System against Natural Hazards



**SafeAttica** 2023  
new technologies & civil protection

- 12:30 – 12:35 | **Nikos Passas**, Ioanna Xalari, Vassilis Amiridis, Thanasis Georgiou, Anna Kampouri, Ioannis Kapris | **Independent Direction of Civil Protection, Region of Attica, Greece, National Observatory of Athens, Greece**  
GOBEYOND: Advancing GeO and Weather Multi-Risk Impact-Based Early Warning and Response Systems for Rapid Deployment of First Responders in the EU and Beyond
- 12:35 – 12:40 | Georgios Tsounis, Nektarios Kaftanakis, Vasileios Lainas, Vasileios Pyrkatis, **Anastasios F. Mavrakis** | **Hellenic Ministry of Education, University of West Attica, Greece**  
Weather Conditions During Passenger Sunk Ships (Technological Disasters) in the Aegean Sea
- 12:40 – 12:45 | **Anastasios F. Mavrakis**, Luca Salvati | **Hellenic Ministry of Education, University of West Attica, Greece, Sapienza University of Rome, Italy**  
Completion Em-Dat Database Records Regarding Natural and Technological Disasters in Greece
- 12:35 – 12:40 | Georgios Tsounis, **Anastasios Mavrakis** | **Hellenic Ministry of Education, University of West Attica, Greece**  
A Review Of Free Available Greek Web Tools Concerning Precaution Measures For Secondary Education Students
- 12:40 – 13:30

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13:30 – 14:30 **Light Lunch Break**

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## Session 6

26.09

### Synergy

Amphitheater “Ioannis Kapodistrias”

#### Chair:

**Ilias Argyris, Ermioni Gialiti**

14:30 – 14:45

**Dimitris Diagourtas**, Giorgos Eftychidis, Leonidas Perlepes, Kostas Kandakis, Aggelos Iliakidis, Daniel Segura, Aggelos Aggelis, Nikos Siagas, Antonis Kostaridis, Zoi Papavramopoulou, Dionisios Mantas, Lykourgos Antonopoulos | **Satways Ltd, Greece, COSMOTE S.A. Greece**  
Innovative Civil Protection System of Orchomenos Municipality

14:45 – 15:00

**Panagiotis Michalis**, Spyridon C. Athanasiadis, Lazaros Karagiannidis, Eleftherios Ouzounglou, Angelos Amditis | **Institute of Communication and Computer Systems – ICCS, National Technical University of Athens, Greece**  
Pathway to Standardisation Activities in Crisis Management Area

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## Workshop

26.09

15:00- 17:00



## “Co-Protect, the Greek Cluster for Civil Protection”

In the era of climate change and the increased frequency and intensity of natural phenomena associated with catastrophic outcomes, the need for comprehensive solutions is more pressing than ever to manage the associated risk. **CO-PROTECT**, is co-financed by the European Union and national resources, under the auspices of EPANЕК, aiming to create the Greek cluster for civil protection technological solutions. The project is coordinated by the **Satways Ltd**, aiming to strengthen cooperation between Greek companies that pioneer the development of innovative technological solutions to deal with natural and man-made disasters with an emphasis on disaster and crisis management caused by earthquakes, floods and forest fires, as well as in the protection of critical infrastructures. Through CO-PROTECT, the 20 SMEs with the collaboration of 6 public Academic and Research organizations are working on possible synergies to create integrated solutions from the combination of specialized products developed by each company. In this way, CO-PROTECT’s SMEs can collectively be more competitive both in the Greek and the European as well as the international market.

A second key objective of the project is to develop a data, process and service interoperability model using common standards between the various technical solutions of each partner in order to achieve both the integration of the individual products they have in more complex systems and to ensure cooperation between systems developed by Greek companies on a local, regional and national scale. Interoperability of systems is important for agencies to communicate with each other, share information and cooperate during crises.

The CO-PROTECT workshop, organized as part of the International Conference SafeAttica 2023, will give the opportunity to participants to get to know the technologies developed by the companies of the cluster, to explore possible synergies (if they belong to the research or academic community) and to consider possible solutions in problems that may concern them (since they represent management and self-government bodies). In addition, the importance of interoperability between companies' products and solutions, using common standards, for effective crisis response will be discussed. Finally, the infrastructure created to demonstrate the integrated solutions of Greek companies for dealing with natural and man-made disasters will be presented, namely:

- The Greek cluster in the field of Civil Protection (Satways)
- The Civil Protection Systems Interoperability Framework (Space Hellas)
- Earthquake Crisis Management Tools (Satways)
- Flood management and response tools (Telenavis)
- Forest Fire Management Tools (Satways)
- Critical infrastructure protection tools (European Dynamics)

### Intro Presentations:

**Ilias Gkotsis**, George Eftychidis, Dimitris Diagourtas | **Satways Ltd**, Greece

Cluster of Interoperable and Holistic Civil Protection Systems

**Eirini Marinou** | **Geosystem Hellas**, Greece

Experimental development and operation



Co-financed by Greece and the European Union

17:00 – 17:15 **Coffee Break**

## Session 7

26.09

### human - tech

Amphitheater “Ioannis Kapodistriasis”

Chair:	<b>Lazaros Filippidis, Christina Patitsa</b>
17:15 – 17:30	<b>Paraskevi Papadopoulou</b> , Stella Apostolaki   <b>The American College of Greece</b> Exploring the Role of Artificial Intelligence towards Reducing the Climate Change Impacts on Public Health
17:30 – 17:45	<b>Christina Patitsa</b> , Konstantinos Mitrou, Spyros Sapounas, Panagiotis Damaskos, Venetia Giannakoulis, Vasiliki Theocharidou, Stavros Kalogiannidis   <b>National Public Health Organization, Greece, National and Kapodistrian University of Athens, University of Western Macedonia, Greece</b> Distance Education and Lifelong Learning in Mental Health Issues for Front-line Health Professionals and First Responders of Refugees’ Camps during Pandemic
17:45 – 18:00	<b>Lazaros Filippidis</b> , Peter J Lawrence, Edwin R. Galea, Marcello Marzoli, Stefano Marsella   <b>University of Greenwich, U.K., Ministero dell'Interno, Corpo Nazionale dei Vigili del Fuoco, Italy</b> Notifying the Public: Evacuation Simulation and Emergency Services Actions
18:00 – 18:15	<b>Maria Zacharopoulou</b> , Stamatina Tounta, Despoina Bafi, Marianthi Karatzia, Issaak Parcharidis   <b>Harokopio University, Greece, National Technical University of Athens, Greece</b> Water Quality Monitoring Using Sentinel 2 Satellite Data During Wet and Dry Season in the Lakes of the Region of Central Greece
18:15 – 18:30	<b>Georgia Kalantzi</b> , Athanasios Partozis, Stefanos Stefanidis, Stergios Diamantopoulos   <b>OMIKRON Environmental Consultants SA, Greece</b> An Integrated Platform for Natural Hazard Risk Management at Local Level: The LocalPro Project
18:30 – 18:45	<b>Lydia Prokopiou</b> , George Papadakis   <b>Technical University of Crete, Greece</b> A Major Accident Database: Analyzing Formal Data of Past Chemical Incidents towards More Reliable Statistics
18:45 – 19:00	<b>Zacharias Karantonis</b> , Olympia Papaevangelou, Ioannis Papadomarkakis, Theodora Skorda, Stavros Kalogiannidis   <b>University of Western Macedonia, Greece, Hellenic Ministry of Education and Religious Affairs</b> Armed attacks on educational institutions: A Global perspective
19:00 – 19:15	Antonios Antoniadis, Panagiota Fragalioti, Aikaterini Tsoukala, <b>Costas Antoniadis</b>   <b>National and Kapodistrian University of Athens, Greece</b> Assessment of Natural Disasters and Climate Crisis, Greece 2020 – 2022

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## Special Session

27.09

## Attica

### Amphitheater “Ioannis Kapodistrias”

Chair:	<b>Alexia Tsouni, Palaiologos Palaiologou</b>
09:00 – 09:15	Charalampos (Haris) Kontoes, Anastasios Anastasiadis, <b>Georgios Panagopoulos</b> , Constantinos Loupasakis, Konstantinos Chousianitis, Nikolaos Stathopoulos, Emmanouil Kirtas, Evi Riga, Kyriazis Pitilakis, Christos Karakostas, Sotiria Stefanidou, Konstantinos Papatheodorou, Elissavet Chatzicharalampous, Agavni Kaitantzian, Eleni Grigorakou   <b>National Observatory of Athens, Greece, Aristotle University of Thessaloniki, Greece, International Hellenic University, Greece, National Technical University of Athens, Greece, Earthquake Planning and Protection Organization of Greece</b> The Application of a Holistic Methodology for the Seismic Risk Assessment in the Region of Attica, Greece
09:15 – 09:30	<b>Ioanna Triantafyllou</b> , John Tsaloukidis   <b>Center for Security Studies (KEMEA), Greece</b> Major Hazards Affecting the Île-De-France and Attica Regions and Risk Mitigation Policies: Preliminary Results of the Pantheon Project
09:30 – 09:45	<b>Alexia Tsouni</b> , Stavroula Sigourou, Vasiliki Pagana, Panayiotis Dimitriadis, Theano Iliopoulou, G.-Fivos Sargentis, Romanos Ioannidis, Efthymios Chardavellas, Dimitra Dimitrakopoulou, Nikos Mamas, Charalampos (Haris) Kontoes, Demetris Koutsoyiannis   <b>National Observatory of Athens, Greece, National Technical University of Athens, Greece</b> Multi-Parameter High-Resolution Flood Risk Assessment in the Region of Attica
09:45 – 10:00	<b>Palaiologos Palaiologou</b> , Dimitrios Zianis, Anastasia Pantera, Andreas Papadopoulos, Stavros Zografakis   <b>Agricultural University of Athens, Greece</b> Post-Fire Vegetation and Regeneration & Proposed Fuel Management on the Burnt Areas of 2021 Varibobi Wildfire
10:00 – 10:15	<b>Anastasia Yfantidou</b> , Melpomeni Zoka, Stella Girtsou, Martha Kokkalidou, Michail-Christos Tsoutsos, Nikolaos Stathopoulos <sup>1</sup> , Charalampos (Haris) Kontoes   <b>E National Observatory of Athens, Greece, Cyprus University of Technology</b> Fire Risk Assessment at a Building Block Level: the Case of Mandra, Attica Region, Greece
10:15 - 10:45	<b>Invited Talk   Chair: Gerasimos Papadopoulos</b> <b>Andrey Babeyko</b> , <i>GFS Helmholtz-Zentrum Potsdam, Germany</i> <b>Real-time GNSS for Rapid Rupture Inversion and its Implication for Tsunami Early Warning and Ground Shaking Prediction</b>

## Sessions 9

### forest fires

27.09

Chair: **Vasileios Martzaklis, Nikolaos Kalapodis**

10:45 – 11:00 **Gorkem Gokhan Arpakci**, Alberto Croci, Paola Allamano, Edoardo Arnaudo, Claudio Rossi | **WaterView srl, Italy, Politecnico di Torino, Italy, LINKS Foundation, Italy**  
A Low-Cost AI-based Smoke and Fire Detection System for Early Warning

11:00 – 11:15 **Petros Papakalos** | **Draeger Hellas**  
Timely and Accurate Geographical Localization of Forest Fires

11:15 – 11:30 **Coffee Break**

## Round Table

11:30- 13:30

27.09

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### “The contribution of science and technology to forest fire early detection and response”

Presentations by representatives of research and business organizations followed by open discussion.

**Panel:**

**Gerasimos Papadopoulos**, Hellenic Mediterranean University, Board of Directors, Member  
**Theodoros Giannaros**, National Observatory of Athens, Institute for Environmental Research & Sustainable Development, Researcher

**Marios Anagnostou**, Ionian University, Faculty of Information Science & Informatics, CmodLab, Researcher

**Aristotelis Papadopoulos**, Fire Brigade

**Nikos Passas**, Region of Attica, Independent Direction of Civil Protection Civil Protection, Director

**Dimitris Diagourtas**, Satways

13:30 – 14:30 **Light Lunch Break**

Chair:	<b>Aristeidis Bozas, Nikolaos Kalapodis</b>
14:30 – 14:45	<b>Irene Gamatsi</b>   Hellenic Society of Plastic Reconstructive & Aesthetic Surgery Burn Injuries in Greece
14:45 – 15:00	<b>Sofia Papadopoulou</b>   Hellenic Society of Plastic Reconstructive & Aesthetic Surgery Burn Mass Casualty Incidents: National Preparedness Plans and Connection to European Response Plans
15:00 – 15:15	<b>Alexandridis Vasileios</b> , Kalantzi Georgia, Stefanidis Stefanos, Theodoridou Theodora, Diamantopoulos Stergios   <b>OMIKRON Environmental Consultants SA, Greece, Greece</b> AI-FIREMAP: An AI-Based Tool for Smart Sensor Placement
15:15 – 15:30	<b>Aristeidis Bozas</b> , Georgios Sakkas, Yiannis Kouloglou, Anastasia Moumtzidou, Nikolaos Kalapodis, Konstantinos Demestichas, Ilias Gialampoukidis, Alexandros Giordanis, Iosif Vourvachis, Stefanos Vrochidis, Ioannis Kompatsiaris   <b>Centre of Research and Technology Hellas, Center for Security Studies (KEMEA), Greece, Agricultural University of Athens, Greece, Hellenic Rescue Team</b> Social Media Sensing for Forest Wildfires - A Case Study from Greece
15:30 – 15:45	<b>Konstantinos Spyropoulos</b> , Efi Simou   <b>Hellenic Fire Brigade, University of Western Attica, Greece</b> Knowledge and Effectiveness of 112: The Case of the 2021 Forest Fire in Ancient Olympia
15:45 – 16:00	<b>Michalis Diakakis</b> , Spyridon Mavroulis, Emmanuel Vassilakis Vassiliki Chalvatzi   <b>National and Kapodistrian University of Athens, Greece   National and Kapodistrian University of Athens</b> Estimating the Possibility of Debris Flow Occurrence in a Post-Fire Environment. The Case of Schinos, Greece
16:00 – 16:15	<b>Nikolaos Kalapodis</b> , Danai Kazantzidou-Firtinidou, Mariza Kaskara, Georgios Sakkas   <b>Center for Security Studies (KEMEA), Greece, National Observatory of Athens, Greece</b> Fire Up the Transdisciplinary Dialogue for Wildfire Risk Management
16:15 – 16:30	Georgios Tasionas, Vasileios Drosos, <b>Ioannis Koukoulos</b> , Konstantinos Sourlamtas   <b>Democritus University of Thrace, Greece, Lund University, Sweden</b> The Role of Remote Sensing in the Assessment of a Post Fire Event. Case Study: Wildfire in Ancient Olympia 2021
16:30 – 16:45	<b>Nektaria Evangelia G. Siampou</b> , Vasileios Martzaklis   <b>National and Kapodistrian University of Athens, Greece</b> Evaluation of New Technologies in Disaster Management Strategies from Design to Implementation. Fire Management in Greece
16:45 – 17:00	<b>Coffee Break</b>



## Sessions 10

### Education- Perception

27.09

Chair:	<b>Paraskevi Georgiadou, Foebe Speis</b>
17:00 – 17:15	<b>Paraskevi Georgiadou</b> , Dimitra Pinotsi, Michail Chalaris, Maria Roussi, Antonis Targoutzidis   <b>Hellenic Institute for Occupational Health and Safety (ELINYAE), International Hellenic University, Greece</b> Training Needs Analysis for Civil Protection in Greece
17:15 – 17:30	Georgia Solomonidou, Evangelos Katsaros, Georgie Boustras   <b>Centre of Excellence In Risk and Decision Sciences - European University Cyprus</b> Emergency Management by Communities' Interaction through Youth (EM-CITY)
17:30 – 17:45	<b>Foebe Speis</b> , Alexia Grampa, Andreas Metaxas, Nikolaos Vlassiadis, Christina Lekka, Assimina Antonarakou, Emmanoul Vassilakis, Vasiliki Alexoudi, Eleyfteria Stamati, Konstantinos Papaspyropoulos, Sotirios Moraitis, Efthymios Lekkas   <b>National and Kapodistrian University of Athens, Greece, Creta Maris Resort, Hersonissos, Crete, Greece</b> Tourist Perceptions and Disaster Preparedness: The Case Study of Creta Maris Resort Hotel Unit in Crete
17:45 – 18:00	Olympia Papaevangelou, Soultana Rousaki, <b>Eirini Eleni Nikolaou</b> , Fotios Chatzitheodoridis, Stavros Kalogiannidis   <b>Hellenic Ministry of Education and Religious Affairs, University of Western Macedonia, Greece</b> Utilizing educational institutions' systems as a focal point for the management of risks and disasters : A Case Study of Greece

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17:30 – 17:45 **Closing**



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