

# agenda

## 14.10

### OPENING CEREMONY

09:00 - 09:30

#### Welcome Greetings

**Gerassimos Papadopoulos**, *Scientific Collaborator EU and UNESCO, SafeGreece President*

**Nikos Chardalias**, *Deputy Minister for Civil Protection and Crisis Management*

**Chara Kafantari**, *ΣΥ.ΠΙΖ.Α. - Progressive Alliance Parliament Group, Deputy Head of Civil Protection*

**Pantelis Bougdanos**, *Association of Greek Regions, Regional Deputy Governor of Chios*

**Stavros Arnaoutakis**, *Crete Regional Governor*

**Tassos Kouroupakis**, *Civil Protection Deputy Regional Governor, Region of Crete*

**Giorgos Patoulis**, *Attica Regional Governor*

1

## special session: MultiHazards

Chair: Gerassimos  
Papadopoulos

09:30 – 10:15

#### Efthymios Lekkas [invited speaker]

*Earthquake Planning and Protection Organisation of Greece, Chairman  
| University of Athens, Professor*

Multiple disasters and crises: the new challenges on management in a climate and pandemic crisis era

10:15 – 10:30

#### Nikos Androulakis

*Member of European Parliament | Amending Decision No 1313/2013/EU on  
a Union Civil Protection Mechanism Instructor*

Amending Decision No 1313/2013/EU on a Union Civil Protection  
Mechanism - rescEU

Chair: Michalis Diakakis

10:30 – 10:45

#### Kostas Chondronikolas

*Secretariat General for the Aegean and Island Policy*

Multiple Crises Management in an island environment

- 10:45 – 11:00 **Evi Georgiadou**  
*Hellenic Institute for Occupational Health and Safety (ELINYAE)*  
New Challenges for Multi – Hazard Emergency Management in the COVID-19 Era in Greece  
Evi Georgiadou, Dimitra Pinotsi, Theoni Koukoulaki, Konstantina Kapsali
- 11:00 – 11:15 **Chih-Long Pan**  
*National Yunlin University of Science and technology, Taiwan*  
An Innovative Emergency Medical Regulation Model in Natural and Manmade Disasters  
Chih-Long Pan, Michail Chalaris, Jet-Chau Wen
- 11:15 – 11:30 **Sotiria Stefanidou**  
*Aristotle University of Thessaloniki*  
Fragility Analysis of Bridges in a Multiple Hazard Environment  
Stefanidou Sotiria, Vassilis Papanikolaou

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## session: Climate Crisis

Chair: Efthymios  
Karymbalis

2

- 11:30 – 11:45 **Thanos Giannakakis**  
*WWF Hellas*  
Nature-Based Solutions: an Innovative (Though Not New) Approach to Deal with Immense Societal Challenges  
Thanos Giannakakis, Ilias Tziritis, Dimitris Ibrahim, Panagiota Maragou
- 11:45 – 12:00 **Yannis Krestenitis**  
*Aristotle University of Thessaloniki*  
Coastal Inundation due to Storm Surges on a Mediterranean Deltaic Area under the Effects of Climate Change  
Christos Makris, Vasilis Baltikas, Yannis Androulidakis, Yannis Krestenitis
- 12:00 – 12:15 **Georgios Tasionas**  
*Democritus University of Thrace*  
Optimization Model of the Mountainous Forest Areas Opening up in Order to Prevent and Suppress Potential Forest Fires  
Georgios Tasionas, Ioannis Koukoulos, Ioannis Sismanidis, Vasileios C. Drosos

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## session: Natural Hazards

Chair: Ioannis  
Koukouvelas

- 12:15 – 12:30 **Konstantinos Kokolakis**  
*Decentralized Administration of Macedonia – Thrace and the Region of Central Macedonia, Civil Protection former Director*  
We and the lightning
- 12:30 – 12:45 **Kostas Kalabokidis**  
*University of the Aegean, Professor*  
Landscape Fire Risk Governance  
Kostas Kalabokidis, Palaiologos Palaiologou
- 12:45 – 13:00 **Despoina Bafi**  
*Harokopio University of Athens*  
Multitemporal Monitoring of Ecosystem Response Using Burn Severity and NDVI Index: the Case of Kineta Wildfire 2018  
Despoina Bafi, Andreas Karavias, Ioannis Papadopoulos, Issaak Parcharidis
- 13:00 – 13:15 **Aglaia Matsakou**  
*Aristotle University of Thessaloniki*  
Assessment of Seismically Induced Landslide Susceptibility at the Island of Lefkada Based on Data Provided by the 2003 and 2015 Earthquakes  
Aglaia Matsakou, Vassilis Marinos, George Papathanassiou, Sotirios Valkaniotis, Athanasios Ganas
- 13:15 – 13:30 **Nikolaos Tavoularis**  
*Region of Attica*  
Towards the Development of an Updated GIS-based Landslide Hazard Map in Attica Region, Greece; Dias Project  
Nikolaos Tavoularis, Panagiotis Argyrakis, George Papathanassiou, Athanassios Ganas
- 13:30 – 13:45 **Vassilis Lekidis**  
*Institute of Earthquake Engineering & Engineering Seismology*  
The instrumentation of University of Macedonia building (Thessaloniki, GR) for seismic response analysis and health monitoring  
Vassilis Lekidis, Stelios Pardalopoulos, Christos Papaioannou

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## special session: COVID-19

Chair: Maria  
Manousaki

- 13:45 – 14:00 **Nikolaos Katsaros**  
*NCRS DEMOKRITOS Ex. Director of Research | Dept. of Biomedicine NEW YORK COLLEGE Director*  
The 7 Myths about the COVID-19 and the Origin of Coronavirus along with its Consequenses to the Enviroment
- 14:00 – 14:15 **Miranda Dandoulaki**  
*Region of Attica*  
Survey on Attitudes, Perceptions and Believes Regarding COVID-19 and its Management in Greece: Early Findings  
Aspasia Karamanou, Miranda Dandoulaki
- 14:15 – 14:30 **Andreas Karavias**  
*Harokopio University of Athens*  
Changes in Nitrogen Dioxide Levels over Greece after the Outbreak of COVID-19; a Satellite View  
Andreas Karavias, Isaak Parcharidis, Maria-Elissavet Koukoulis, Ioanna Skoulidou, Dimitris Balis, Astrid Manders, Arjo Segers, De Bilt, Henk Eskes, Jos van Geffen.
- 14:30 – 14:45 **Phoebe-Demeter Speis**  
*National & Kapodistrian University of Athens*  
The COVID-19 Pandemic Initial Outbreak in Greece in Spring 2020. Public Perceptions and Behaviour  
Phoebe-Demeter Speis, Ioannis Andreadakis, Emmanouil Andreadakis
- 14:45 – 15:00 **Fotini Gioltzidou**  
*Aristotle University of Thessaloniki*  
#MENOUMESPITI, #MENOUMEASFALEIS, #COVID19GREECE: The role of hashtag's language in the dissemination of information in Greece  
Georgia Gioltzidou, Dimitrios Amanatidis, Ifigeneia Mylona, Fotini Gioltzidou

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15:00 – 17:00 **Poster Session (p. 13-14)**

17:00 – 17:30 **Kyriaki Makri [invited speaker]**

*National Observatory of Athens, Postdoctoral Research Fellow | Committee of GEOsciences Didactics of the Geological Society of Greece, President.*  
Conceptual development of the term Natural Disasters in textbooks from 1830 until today

Chair: Assimina KOurou

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17:30 – 19:00 **Round Table:  
Information and Education Role in Risk Reduction**

Panel:

Assimina Kourou (EPPO, co-ordinator)  
Miranda Dandoulaki (Region of Attica)  
Aspasia Karamanou (Region of Attica)  
Vassileios Vathrakogiannis (Hellenic Fire Corps)

special session

Prediction, Forecasting,  
Early Warning Systems

15.10

Chair: Gerassimos  
Papadopoulos

09:00 – 09:45 **Alessandro Annunziato [invited speaker]**  
*Joint Research Centre European Crisis Management Laboratory, Head*  
"Last Mile" Tsunami Project: Kos and Bodrum Tsunami Early Warning System

09:45 – 10:00 **Iraklis Katsaloulis**  
*National and Kapodistrian University of Athens*  
The Perils of Earthquake Prediction: a Historical and Epistemological Approach

10:00 – 10:15 **Stavroula Fotopoulou**  
*Aristotle University of Thessaloniki*  
Towards an Earthquake Early Warning and Real-Time Seismic Risk  
Kyriazis Pitilakis, Stavroula Fotopoulou, Anastasia Kiratzi, Stelios Siskos, Kostas Siozios, Christos Spandonidis

6

Chair: Issaak Parcharidis

10:15 – 10:00 **Petros Katsafados**  
*Harokopio University of Athens, Associate Professor*  
Nowcasting an Extreme Flash Flood Event: the Case of Mandra, Greece  
Petros Katsafados, Christos Spyrou, George Varlas, Aikaterini Pappa, Angeliki Mentzafou, Anastasios Papadopoulos, Marios N. Anagnostou, John Kalogiros

10:30 – 10:45 **Christos V. Komninos**  
*Hellenic Fire Corps*  
Cell Broadcast Messages as Public Warning System in Greece After Message, What?  
Christos V. Komninos, Paraskevi D. Soulopoulou, Vasileios C. Komninos

10:45 – 11:00 **Athanasios Kalogeras**  
*Research Centre ATHENA, Industrial Systems Institute*  
Establishment of a Transnational Civil Protection Early Warning System in Adrion Territories: Project "Transcepearlywarning"  
Athanasios Kalogeras, Miranda Dandoulaki

- 11:00 – 11:15 | **Theodoros Gatsios**  
*National & Kapodistrian University of Athens*  
Exploring deformation patterns of the Methana volcano in Greece using Copernicus Sentinel-1 MTInSAR, GNSS/GPS and seismic data  
T. Gatsios, F. Cigna, D. Tapete, V. Sakkas, K. Pavlou, I. Parcharidis
- 11:15 – 11:30 | **Aggelos Chasiotis**  
*METRICA*  
Natural Disasters: Applications for online monitoring in order to on time forecasting and early warning  
Aggelos Chasiotis, Hippocrates Pappas
- 11:30 – 11:45 | **Stelios Bollanos**  
*PLANETEK*  
COPERICUS Emergency Management Service  
1. Rapid Mapping  
2. Risk & Recovery (FLEX & STANDARD)

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## session: Natural Hazards

Chair: Dimitrios  
Pyrros

- 11:45 – 12:30 | **Kyriazis Pitilakis [invited speaker]**  
*Aristotle University of Thessaloniki, Professor | European Association of Earthquake Engineering (EAEE), President*  
The European Seismic Risk Model 2020 (ESRM20)
- 12:30 – 12:45 | **Vasiliki Kouskouna**  
*National & Kapodistrian University of Athens, Associate Professor*  
The 19 July 2019 Mw5.1 Attica Earthquake: a Multidisciplinary Approach  
V. Kouskouna, A. Ganas, M. Kleanthi, I. Kassaras, N. Sakellariou, G. Sakkas, S. Valkaniotis, E. Manousou G. Bozionelos, V. Tsironi, I. Karamitros, N. Tavoularis, Ch. Papaioannou7 and R. Bossu
- 12:45 – 13:00 | **Georgios Panagopoulos**  
*International Hellenic University, Greece*  
Seismic Risk Assessment of the City of Serres Using the Openquake Platform  
Georgios Panagopoulos, Anatoli Sismanidou, Sotiria Stefanidou, Emmanouil Kirtas

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## session: Search & Rescue

Chair: Michail  
Chalaris

- 13:00 – 13:15 **Harris Georgiou**  
*Hellenic Rescue Team of Attica (HRTA)*  
Resilient communications and UAV fleet for future Search & Rescue operations  
Harris Georgiou, Alexis Vlachopoulos, Aspasia Tzeletopoulou, Miltiadis Koutsokeras, Alexandros Kordonis, Eleftherios Ouzounoglou6, Angelos Amditis, Friedrich Steinhäusler, Auer Lukas9, Andreas Feichtner, Christoph Oberauer, Anaxagoras Fotopoulos, Pantelis Lappas, Georgios Diles
- 13:15 – 13:30 **Vassilis Trizonis**  
*SPELEO caving club | Greek Cave Rescue team*  
The cooperation between Civil Protection and Cave Rescue teams: The example of Sarchos
- 13:30 – 13:45 **Aspasia Tzeletopoulou**  
*Hellenic Rescue Team of Attica (HRTA)*  
Smart boots, fusion engine and aerial assets for enhanced situational awareness and safety in Search & Rescue operations  
Harris Georgiou, Alexis Vlachopoulos, Aspasia Tzeletopoulou, Georgios Diles, Eva Jaho, Anaxagoras Fotopoulos, Angelos Chatzimichail7, Anastasios Karakostas, Panayiota Demosthenous, Antonis Hadjiantonis, Henry Meissner, Thomas Kraft, Adrian Schischmanow, Gustav Tolt, Claudio Paliotta, Norman Kerle, Maria Krommyda, Lazaros Karagiannidis, Constantinos Vassilakis, Angelos Amditis
- 13:45 – 14:00 **George D. Romosios**  
*Hellenic Fire Corps*  
The Flashover: Description and Firefighter Tactics  
George D. Romosios, Vaios Zygouris, George Ntzaferis
- 14:00 – 14:15 **Alexios Vlachopoulos**  
*Hellenic Rescue Team of Attica (HRTA)*  
Enabling gesture-based controls for first responders and K9 units  
Alexis Vlachopoulos, Harris Georgiou, Aspasia Tzeletopoulou, Panagiotis Kasnesis, Christos Chatzigeorgiou5, Dimitris Kogias, Charalampos Z. Patrikakis, Georgios Albanis8, Konstantinos Konstantoudakis, Anastasios Dimou, Petros Daras



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## session: Accidents & Hazards

Chair: Paraskevi  
Nomikou

14:15 – 14:30 **Michail Chalaris**

*International Hellenic University | Hellenic Fire Corps*

Novel Systems for Detection and Monitoring of Dangerous Substances in  
Water Environmental Sensitive Areas

Nikos Tsalas, Giorgos Katsouras, Michalis Chalaris, Stelios Samios, Efthymios Lytras,  
Kostas Papadopoulos, Nikos Kouris, Simos Malamis, Costas Noutsopoulos5, Danos  
Mamais5, Andreas Andreadakis

14:30 – 14:45 **Markela Giannousopoulou**

*NCSR DEMOKRITOS*

Maritime accidents and environmental hazards. Creating a dynamic model  
for predicting maritime accidents and environmental pollution

Markela Giannousopoulou, Myrto Konstantinidou

14:45 – 15:00 **Konstantina Bantouvaki**

*Harokopio University of Athens*

Earth Observation for Coastal Erosion Monitoring in Europe: the Space for  
Shore Project

9

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15:00 – 17:00

**Poster Session (p. 13-14)**

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17:00 – 19:00

**Round Table:**

**Legislative Framework and its Role for Local Authorities**

Panel:

Gerassimos Papadopoulos (Coordinator)

Konstantinos Kokolakis, Decentralized Adm. of Macedonia – Thrace Civil  
Protection former Director

Kostas Chouvardas, Region of Eastern Macedonia & Thrace, Civil  
Protection Department, Head

Elena Rapti, Legal Adviser to the Deputy Minister for Civil Protection and  
Crisis Management

16.10

09:00 – 10:10

Parallel Event by EPPO  
Seminar for Teachers: "Seismic Protection of School Units" (Annex I)

## session: Education

Chair: Assimina Kourou

10:10 – 10:15

**Gerassimos Papadopoulos [invited speaker]**

*Scientific Collaborator EU and UNESCO*

Earthquakes in Greece: Past, Present, Future: a comment

Chair: Gerassimos Papadopoulos

10:15 – 10:30

**Afroditi Salta**

*2nd Lyceum of Megara, West Attica Secondary Education Directorate*

Natural Disasters and Technological Accidents: Educated to Protect and to be Protected in Senior High School

10:30 – 10:45

**Marianna Kalendi**

*Management Organization Unit of Development Programs (MOU S.A.)*

Risk Communication and Disaster Management in Greece: the Prospect of an Adult Education Program

10:45 – 11:00

**Assimina Kourou**

*Earthquake Planning and Protection Organisation of Greece, Training Department, Head*

Child Care Earthquake Preparedness: EPPO Initiative

Assimina Kourou, Ioanna Nikolopoulou, Aimilios M. Saber, Spilios Kyriakopoulos, Argiro H. Florou, Natalia Anyfanti

10

## session: Innovation & Technology

Chair: Konstantinos Chouvardas

- 11:00 – 11:15 **Michail Chalaris**  
*International Hellenic University | Hellenic Fire Corps*  
I-REACT: Improving Resilience to Emergencies Through Advanced Cyber Technologies  
Michail Chalaris, Conrad Bielski, John Alexander, Vangelis Pipitsoulis, Ioannis Kassaras
- 11:15– 11:30 **Ioannis Kassaras**  
*National & Kapodistrian University of Athens, Associate Professor*  
I-REACT RSRA: Development of a Rapid Seismic Risk Assessment Tool that Integrates Instrumental, Crowdsourcing, Social Media Data and Empirical Vulnerability  
I. Kassaras, V. Pipitsoulis, P. Papadimitriou, N. Voulgaris, V. Kouskouna, G. Kaviris, V. Kapetanidis, A. Karakonstantis, E. Lekkas, S. Lalechos, P. Bernard, R. Bossu, L. Fallou, F. Finazzi, C. Bielski, M. Chalaris, R. Kosheleva, A. Mitropoulos, P. Kinanlis, D. Kazantzidou-Firtinidou, L. Stupina, J. Alexander
- 11:30– 11:45 **Olga Markogiannaki**  
*REDI Engineering Solutions PC*  
Application for the Real-Time Estimation of Building's Seismic Damage in City-Scale on the Basis of Artificial Neural Networks  
Konstantinos Morfidis, Olga Markogiannaki, Sotiria Stefanidou
- 11:45 – 12:00 **Ioannis Kontos**  
*MARATHON DATA*  
The ArcGIS Platform as a useful tool for Civil Protection
- 12:00 – 12:15 **Despoina Bafi**  
*Harokopio University of Athens*  
A Geospatial Intelligence Application Based on SAR Interferometry to Support Immediate Post-Seismic Infrastructure Inspections: the Cases of Earthquakes in the Balkan Peninsula  
Despoina Bafi, Andreas Karavias, Theodoros Gatsios, Asimakis Fylaktos, Olga Markogiannaki, Efthymios Lekkas, Issaak Parcharidis
- 12:15 – 12:30 **Athanasios Emmanouil Mourampezis**  
*Harokopio University of Athens*  
Geospatial Features and Mapping of Flood Events in Transboundary Basins in the Southern Balkans Using Earth Observation Satellite Data

- 12:30 – 12:45 | **Spiridon G. Krokidis**  
*Ionian University*  
A Low-Cost Seismograph: First Results  
Spiridon G. Krokidis, Ioannis Vlachos, Nikolaos M. Polymenakos, Markos Avlonitis, Anastasios Kostoglou and Vasileios Karakostas
- 12:45 – 13:00 | **Michail Chalaris**  
*International Hellenic University | Hellenic Fire Corps*  
Novel Solutions for Command & Control Network for Disaster Management  
Michail Chalaris, Vangelis Pipitsoulis, Itamar Banayan

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## session: Crisis Management

Chair: Miranda  
Dandoulaki

- 13:00 – 13:45 | **Amir Yahav [invited speaker]**  
*Israel National Steering Committee for Earthquake Preparedness, Director*  
Israel preparedness for tsunami, emphasizing on the March 2019
- 13:45 – 14:00 | **Lazaros Filippidis**  
*University of Greenwich , U.K.*  
Multimodal Wildfire Evacuation at the Microscopic Level  
L. Filippidis, P. J. Lawrence, V. Pellacini, A. Veeraswamy, D. Blackshields, E. R. Galea
- 14:00 – 14:15 | **Anna Karatzetzou**  
*Aristotle University of Thessaloniki*  
A Prioritization Scheme for Seismic Intervention in School Buildings. The case of Thessaloniki, Greece  
Anna Karatzetzou, Evi Riga, Stefania Apostolaki, Stella Karafagka, Kyriazis Pitilakis, Efthymios Lekkas
- 14:15 – 14:30 | **Miranda Dandoulaki**  
*Harokopio University of Athens*  
Emergency Evacuation in Case of an Imminent or an Ongoing Disaster in Greece: a Comment
- 14:30 – 14:45 | **Michail Chalaris**  
*International Hellenic University | Hellenic Fire Corps*  
Long-Distance Voice Messaging Systems (Clear Voice) During the Time of Natural and Manmade Disaster According to Health and Safety Regulations  
Michail Chalaris , Vangelis Pipitsoulis, Ray Ingblum
- 14:45 | **Closure [Gerassimos Papadopoulos & Ilias Argyris]**

## POSTERS

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1. UAVs to Enhance Watershed Management. Examples From N. Greece  
**Paschalis Koutalakis**, Ourania Tzoraki, George N. Zaimis  
*University of the Aegean*
2. SCIENCE PROJECT: SpaCeborne SAR Interferometry as a Nonivasive tool to assess the vulnerability over Cultural hEritage sites  
**Athanasia-Maria Tompolidi**, Asimakis Fylaktos, Theodoros Gatsios, Issaak Parcharidis  
*Harokopio University of Athens*
3. Heat Waves, Land Surface Temperature and Spatial Distribution of Public Hospitals in Attica – Greece  
Athanasios Papachristou, Athanasia Kapsali, **Anastasios Mavrakis**, Athanasios Papachristou  
*Secondary Education Directorate of West Attica*
4. Exploring an Early Heat Wave Event in an Industrialized Area of Eastern Mediterranean (Thriasio Plain – Greece)  
**Anastasios Mavrakis**, Athanasia Kapsali, Ioannis X. Tsiros  
*Secondary Education Directorate of West Attica*
5. The use of urban planning as a tool for strengthening civil protection and increasing of inclusive community resilience  
Kalliopi Papadaki, **Sofia Karma**, Maria Poulou, Avgi Vassi, Efthimios Bakogiannis  
*Ministry of Environment and Energy | NTUA*
6. Flash Flood Interaction with Composite Infrastructures. Floodwater Velocity, Erosion and Deposition  
**Eleftheria Ezat**, Emmanouil Andreadakis, Michalis Diakakis, Nafsika-Ioanna Spyrou  
*National and Kapodistrian University of Athens*

7. Optical Granulometry in Flood Deposits. Analysis and Mapping  
**Petros Andriopoulos**, Emmanouil Andreadakis, Michalis Diakakis, Georgios Exadaktylos  
*National and Kapodistrian University of Athens*
8. Applying an Integrated Coastal Vulnerability Index (ICVI) to Sea-Level Rise for the Southern Coast of the Corinth Gulf, Greece  
**Paschalis Ramnalis**, Dimitrios Vasilios Batzakis, Efthimios Karymbalis  
*Harokopio University of Athens*
9. A semantic approach for modeling community resilience data  
**Sofia Kostakonti**, Vassilis Papataxiarhis, Stathes Hadjiefthymiades  
*National and Kapodistrian University of Athens*
10. Flood Hazard Assessment in Megalo Rema (Rafina) Drainage Basin (East Attica, Greece)  
**Maria Andreou**, Dimitrios-Vasilios Batzakis, Konstantinos Tsanakas, Sotirios Karalis, Efthimios Karymbalis  
*Harokopio University of Athens*

on-line\_

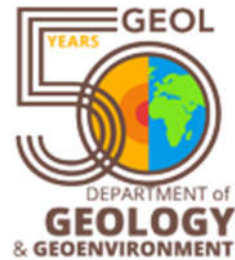


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15

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# SafeGreece 2020

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Under the auspices of:



**GENERAL SECRETARIAT  
FOR CIVIL PROTECTION**



HELLENIC REPUBLIC  
**MINISTRY OF INFRASTRUCTURE  
AND TRANSPORT**  
GENERAL SECRETARIAT OF INFRASTRUCTURE



**CITY OF  
ATHENS**



on-line\_

The logo for SafeGreece 2020 features two overlapping triangles on the left: a blue one on top and a red one on the bottom. To their right, the word "SafeGreece" is written in a stylized font, with "Safe" in orange and "Greece" in grey. A red underline is positioned under the word "Greece". To the right of "SafeGreece", the year "2020" is written vertically in orange. Below the main text, the phrase "new technologies & civil protection" is written in a smaller, grey, sans-serif font.

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