

CONFERENCE PROGRAM

Day #1

Wednesday 31 October

Opening Ceremony @ Regional Council Hall 27 Dimokratias Str, Kozani

11:00 – 12:00	Registrations
12:00 – 13:00	Welcome Greeting and Opening Words Theodoros Karypidis <i>Regional Governor of Western Macedonia</i> Antonios Turlidakis <i>University of Western Macedonia, Rector</i> Stergios Ganatsios <i>Western Macedonia University of Applied Sciences, Rector</i>
13:00 – 13:30	Efthymios Lekkas <i>Earthquake Planning and Protection Organisation of Greece, Chairman</i> <i>University of Athens, Professor</i> New scientific, technical and operational data from disasters at national and global level
13:30 – 14:00	Gerasimos Papadopoulos <i>UNESCO, North East Atlantic & Mediterranean Tsunami Warning System, Chairman</i> Early Warning Systems to Reduce Natural Hazards
14:00 – 14:15	Ilias Argyris <i>Head of the Civil Protection Office, Municipality of Rhodes</i>
14:00 – 16:00	Lunch Break



Conference Proceedings @ Western Macedonia University of Applied Sciences

SESSION 1 – Hall A		16:00-18:00	SESSION 2 – Hall B	
Chair	Ilias Argyris Maria Kleanthi		Aspasia Karamanou Konstantinos Chouvardas	Chair
	Konstantinos Karidis ACTION PLAN FOR CIVIL PROTECTION FOR THE REGION OF IONIAN ISLANDS	16:00–16:15		Stavros Kalogiannidis, Papaevaggelou Olympia THE ROLE OF MASS MEDIA IN CRISIS MANAGEMENT
	Nicholas Zinas MASS NOTIFICATION SYSTEMS FOR LOCAL GOVERNMENT	16:15–16:30		Olga Markogiannaki, Konstantina Ntasiou, Georgios Tsikritsakis, Panagiota Paschali RISK FOR CULTURAL HERITAGE FROM CLIMATE CHANGE. THE CASE STUDY OF BOION STONE BRIDGES
	Ioannis Leivadaros EMERGENCY PREPAREDNESS AND RESPONSE TO HAZARDS: THE CASE OF THE 2017 CATASTROPHIC FLOOD IN MANDRA, WESTERN ATTICA	16:30–16:45		Maria Alexoudi, Konstantinos Karavelas REHABILITATION COST FOR 3 LISTED BUILDINGS IN THESSALONIKI
	Zaharias Pelekis THE TRIANGLE OF THE TRAGEDY AND THE NECESSARY LEGISLATIVE INTERVENTIONS: THE CASE OF THE 2018 WILDFIRE IN MATI, EASTERN ATTICA, GREECE	16:45- 17:00		Susan Duhl, Maria Lyratzi, Maria Papadimitriou THE PRESENTATION OF THE SEMINAR ENTITLED "DISASTER MANAGEMENT IN CULTURAL INSTITUTIONS" AND ITS RESULTS
	Konstantinos Kokolakis CIVIL PROTECTION FOR THE NEXT DAY	17:00–17:15		Olympia Papaevaggelou DISABILITY AND CIVIL PROTECTION
	Boustras George, Evangelos Katsaros, Christos Dimopoulos, Cleo Varianou Mikellidou, Louisa Marie Shakou EPICURO EUROPEAN PARTNERSHIP FOR INNOVATIVE CITIES WITHIN AN URBAN RESILIENCE OUTLOOK	17:15–17:30		Georgia Gioltzidou, Dimitrios Amanatidis, Ifigeneia Mylona NATURAL DISASTER INFORMATION DISSEMINATION ON TWITTER: TESTING AGAINST MAINSTREAM MEDIA COVERAGE
	Athanasios Kakalis, Theodore Vlachos, PPC IMPLEMENTATION OF CONTINGENCY PLANS AND BUSINESS CONTINUITY PLANS AT PPC’s LIGNITE MINES	17:30–17:45		Paraskevi Christopoulou ROAD ACCIDENTS BLACK SPOTS ASSESSMENT WITH A RECENTLY DEVELOPED GIS BASED METHODOLOGY
	Stefano Ancilli, Federico Cellini, Antonio Colombi, Elisabetta Leonardi ACTIONS TO PROTECT CHILDREN AND YOUNG PEOPLE DURING EMERGENCIES:	17:45–18:00		Miranda Dandoulaki DISASTER AS A WINDOW OF OPPORTUNITY FOR TOURISM: THE CASES OF NEW ORLEANS, USA AND SICHUAN,

INSIGHTS FROM 2016/2017 CENTRAL ITALY EARTHQUAKES		CHINA
ROUND TABLE Modern Technology Tools at the Civil Protection Service Coordinator: Issaak Parcharidis	18:00-20:00	ROUND TABLE Innovative solutions and financing opportunities for Local Governance Coordinator: Evangelos Sdongos



SESSION 3 – Hall A		09:00-11:00	SESSION 4 – Hall B	
Chair	Ilias Argyris Ioannis Bakouros		Konstantinos Kokolakis Michalis Diakakis	Chair
	Theodore D. Katsilieris, Themistoklis E. Karafasoulis RADIO-COMMUNICATIONS AT THE HELLENIC FIRE SERVICE AND THE ROAD AHEAD TO DIGITAL ERA	09:00–09:15		
	Romosios Georgios, Vasilikou Aikaterini, Choulakis Stylianos FIRES IN SOLAR POWER SYSTEMS AND FIREFIGHTER SAFETY – A REVIEW	09:15–09:30		
	Stefano Ancilli FOREST FIRES MANAGEMENT: A NEW PROPOSAL TO FACE NEXT SEASONS	09:30-09:45	Stavros Kalogiannidis NATIONAL CIVIL PROTECTION CENTER	
	Chih-Long, Jet-Chau Wen AN INNOVATIVE STRATEGY OF EMERGENCY TRANSPORTATION IN MASS CASUALTY INCIDENTS	09:45–10:00	Spyros Andronopoulos, George Efthimiou, Alexandros Venetsanos, John G. Bartzis ATMOSPHERIC DISPERSION OF HAZARDOUS SUBSTANCES	
	Evi Georgiadou OCCUPATIONAL SAFETY AND HEALTH AS A TOOL FOR EFFECTIVE PREVENTION AND EMERGENCY RESPONSE POLICIES FOR NATURAL AND TECHNOLOGICAL DISASTERS	10:00–10:15	Olympia Papaevaggelou, Stavros Kalogiannidis PRACTICAL GUIDE OF CRISIS MANAGEMENT IN SCHOOL UNITS	
	Miltiadis Meliadis, Varvara Meliadou THE USE OF UAV IN SEARCH & RESCUE. A USEFUL TOOL FOR CIVIL PROTECTION IN GREECE	10:15–10:30	Georgios Sotiriadis USING INFORMATION MANAGEMENT TO LEARN FROM MIGRANTS	
	Iosif Vourvachis, Lorentzo Nerantzis, Meliadis Miltiadis beAWARE - ENHANCING DECISION SUPPORT AND MANAGEMENT SERVICES IN EXTREME WEATHER CLIMATE EVENTS	10:30–10:45	Konstantinos Chouvardas DISASTER MANAGEMENT IN GREECE: SHORTCOMINGS OF THE INSTITUTIONAL FRAMEWORK AND CORRECTIVE MEASURES BASED ON GOOD INTERNATIONAL PRACTICES	
	Evangelos Sdongos, Angelos Amditis, Antonis Kostaridis, Dimitris Diagourtas, Elias Argyris	10:45–11:00	Paraskevi D. Soulopoulou, Christos V. Kominos, Ioannis Kazanidis CELL BROADCAST EMERGENCY'S ALERTS	

IN-PREP: EMPOWERING PREPARADNESS OF CIVIL PROTECTION AUTHORITIES THROUGH INTEGRATED TOOLS FOR SCENARIO BUILDING, TRAINING AND COLLABORATIVE RESPONSE PLANNING		IN GREECE
Coffee Break	11:00-11:30	Coffee Break

SESSION 5 – Hall A		11:30-14:30	SESSION 6 – Hall B	
Chair	Konstantinos Kalabokidis Natassa Ioakimidou		Ioannis Bakouros Stavros Kalogiannidis	Chair
	Spyridon Mavroulis , Panayotis Carydis, Efthymios Lekkas CORRELATION OF THE 2018 HUALIEN (EASTERN TAIWAN) EARTHQUAKE EFFECTS WITH THE GEOLOGICAL STRUCTURE OF THE AFFECTED AREA	11:30–11:45		
	Marilia Gogou , Katerina-Navsika Katsetsiadou, Efthymis Lekkas, Emmanouil Andreadakis, Elias Argyris THE 21 JULY 2017, KOS-BODRUM TSUNAMI INTENSITY MAPPING: APPLYING THE INTEGRATED TSUNAMI INTENSITY SCALE (ITIS2012)	11:45–12:00	Georgios Sotiriadis EDUCATION OF STUDENTS IN NATURAL DISASTERS USING NEW TECHNOLOGIES	
	Pavlos Krassakis , Stavroula Kazana, Fulong Chen, Nikolaos Koukouzas, Issaak Parcharidis, Efthymios Lekkas DETECTING AND MAPPING SPATIAL RISK DISTRIBUTION OF GROUND DEFORMATION INDUCED BY URBAN HIDDEN STREAMS: A CASE STUDY FROM ATHENS CITY CENTRE	12:00–12:15	Asimina Kourou , Anastasia Ioakeimidou, Eirini Karpontini PREPARING FOR EARTHQUAKE AT PRESCHOOLS: THE ROLE OF EARTHQUAKE PLANNING AND PROTECTION ORGANIZATION	
	Theodora Perrou , Konstantinos Chouvardas, Christos Papapostolou, Issaak Parcharidis HIGH SPATIAL AND TEMPORAL RESOLUTION OPERATIONAL FLOOD MONITORING: EVROS RIVER FLOOD (MARCH-APRIL 2018)	12:15–12:30	Constantinos Tsanaktsidis EDUCATION AS A PARAMETER IN THE ORGANIZATION OF CIVIL PROTECTION	
	Michalis Diakakis , Emmanuel Andreadakis, Efthymios Nikolopoulos, Nafsika-Ioanna Spyrou, Maria-Evangelia Gogou, Georgios Deligiannakis, Katerina- Navsika Katsetsiadou, Zacharias Antoniadis, Maria	12:30–12:45	Georgia Malea, Chrysanthi Markou PLAY AND LEARN ABOUT NATURAL DISASTERS”: AN IMPLEMENTATION OF A RESILIENCE ENHANCEMENT PSYCHOEDUCATIONAL PROGRAM IN	

Melaki , Argyris Georgakopoulos , John Kalogiros, Efthymios Lekkas THE EXTREME FLASH FLOOD OF MANDRA, GREECE. DESCRIPTION OF IMPACTS AND FLOOD CHARACTERISTICS		VULNERABLE CHILDREN
Dimitris Kamitsos, Draeger Hellas A.E HOLISTIC APPROACH TO TECHNICAL SAFETY	12:45–13:00	Maria Manousaki EUROPEAN VOLCANOES ' NIGHT: A CHALLENGE FOR GREECE
Thomas Maggos, Spyros Karakitsios, John Bartzis DETECTION OF AIRBORNE CHEMICAL & BIOLOGICAL THREATS IN ENCLOSED SPACES	13:00–13:15	Theodoros Tsapanos, Evangelos Katsaros , Evangelos Tzamos, George Drakatos, Panagiotis Elias, Vasilios Ambas, Thomas Ververis JOINT CROSS BORDER COOPERATION FOR SECURING SOCIETIES AGAINST NATURAL AND MAN MADE DISASTERS: J-CROSS PROJECT AT REGIONS OF WESTERN MACEDONIA AND PELAGONIA
Evina Liosatou RISK ASSESSMENT FOR FLOOD HAZARD, IN THE CASE OF GREVENIOTIKOS RIVER BASIN (GREVENA – WESTERN MACEDONIA - GREECE)	13:15–13:30	Stavros Mantas, Triantafyllos Bouchounas , Athanasia Kazakou NSEA – NETWORK FOR THE OPERATIONAL SUPPORT AND EDUCATION OF THE VOLUNTEERS' ASSOCIATIONS IN THE FIELD OF CIVIL PROTECTION AGAINST NATURAL DISASTERS
Maria Alexoudi, Apostolopoulos George CONTRIBUTION TO LANDSLIDE HAZARD ASSESSMENT. THE CASE OF FLORINA-KASTORIA ROAD	13:30–13:45	Ioannis Papaioannou INTERACTIVE TRAINING ON EARTHQUAKES: CONSTRUCTION OF A PROTOTYPE SEISMOGRAPH
Nena Emmanouilidou, Olga Markogiannaki RESILIENCE OF INFRASTRUCTURE IN THE ENERGY SECTOR TO NATURAL HAZARDS AND CLIMATE CHANGE	13:45–14:00	George Scroubelos DEVELOPING A SOCIETAL PREVENTIVE CULTURE THROUGH A LIFE-LONG LEARNING STRATEGY
Alexoudi Maria, Apostolopoulos George VULNERABILITY OF TRANSMISSION PIPELINE. THE CASE OF FLORINA	14:00–14:15	Konstantinos Kokolakis LIFE TRIANGLE
Boustras George, Evangelos Katsaros , Cleo Variannou-Mikellidou, Christos Dimopoulos, Christodoulos Efstathiades, George Drakatos, Christos Evangelidis PRIVATE – PUBLIC SECTORS PARTNERSHIP FOR DISASTER RISK REDUCTION IN ARMENIA: THE CASE OF ALTER PROJECT	14:15–14:30	Aspasia Karamanou, Georgia-Christina Dreliosi, Dionysios Papadimatos, Anastasios Hahlakis SUPPORTING SEARCH AND RESCUE OPERATIONS WITH UAVS

Lunch Break		14:30-15:30	Lunch Break	
SESSION 7 – Hall A		16:00-18:00	SESSION 8 – Hall B	
Chair	Issak Parcharidis Ilias Argyris		Konstantinos Kokolakis Michail Chalaris	Chair
	Evangelos Sdongos , Angelos Amditis INACHUS: TECHNOLOGICAL AND METHODOLOGICAL SOLUTIONS FOR INTEGRATED WIDE AREA SITUATION AWARENESS AND SURVIVOR LOCALISATION TO SUPPORT SEARCH AND RESCUE	16:00 – 16:15	Hellenic Rescue Team Kozani Division	
	Deni Panagiotopoulou, Katerina Tarnava, Gabriella Zagora FIRST DEGREE PRE – EARTHQUAKE INSPECTION: E.P.P.O.’S TRAINING PROGRAM FOR ENGINEERS	16:15 – 16:30	Kozani Radio Amateurs	
	Ploutarchos Kerpelis RESRONSIBILITIES FROM THE IMPACTS OF EARTHQUAKES, AT THE BUILDING INFRASTRUCTURE OF GREECE – RICOMEX CASE	16:30 – 16:45	Ptolemaida Rescue Team	
	Spyridon Mavroulis, Michalis Diakakis, Emmanuel Andreadakis, Nafsika-Ioanna Spyrou, Maria-Evangelia Gogou, Evelina Kotsi, Elina Kapourani, Eirini-Spyridoula Stanota , Efthymios Lekkas, Panayotis Carydis FIRE-INDUCED BUILDING DAMAGE IN WILDLAND URBAN INTERFACE AREAS: THE CASE OF THE 2018 EASTERN ATTICA (GREECE) FIRE	16:45 – 17:00	Hellenic Fire Academy	
	Georgios Gkanouris FOREST FIRES, ONE SIMPLISTIC APPROACH	17:00 – 17:15	Rusil Marinov INFORMATION DOMAIN IN CRISIS MANAGEMENT	
	Maria Kleanthi ASBESTOS – ONE MORE PROBLEM AFTER THE DEVASTATING FIRES OF JULY 23 AND 24	17:15 – 17:30	Ioannis Dokas , Apostolos Zeleskidis, Basil Papadopoulos DYNAMIC DETERMINATION AND CALCULATION OF THE SAFETY LEVEL IN MAJOR-HAZARD ACCIDENT SYSTEMS: A PROPOSED MATHEMATICAL MODEL	
	Spyridon Mavroulis , Panayotis Carydis, Efthymios Lekkas BUILDING DAMAGE INDUCED BY THE	17:30 – 17:45	Georgios Romosios, Georgios Ntzaferis , Michail Chalaris THE BOILOVER EFFECT: REQUIREMENTS	

SEPTEMBER 2017 MEXICO
EARTHQUAKES AND FACTORS
CONTROLLING THEIR DISTRIBUTION

Giannis Kontos, Marathon Data
ARCGIS PLATFORM AS A DECISION
MAKING TOOL

17:45 – 18:00

FOR THE BEGINNING OF THE EFFECT,
CALCULATION OF MANIFESTATION TIME
AND WAYS OF FIGHTING IT

Maria Karagiannopoulou
ISSUES OF GENDER DIVERSITY IN
HUMANITARIAN CRISES. DIFFERENT
NEEDS - EQUAL OPPORTUNITIES

ROUND TABLE
**Institutional Framework of Civil
Protection**
Coordinator: **EfthymiosLekkas**

18:00-20:00



SESSION 9 – Hall A		09:00-11:15	SESSION 10 – Hall B	
Chair	Christos Pikridas Maria Manousaki		Antonios Koukouzas Anastassia Vavliara	Chair
	Andreas Karavias, Issaak Parcharidis OPERATIONAL USE OF EARTH OBSERVATION DATA IN THE CASE OF KINETA FOREST FIRE	09:00–09:15		Giorgos Balias, Maria Karagiannopoulou , Liosatou Paraskevi THE IMPACT OF CLIMATE CHANGE ON PUBLIC HEALTH IN THE PUBLIC HEALTH BASIN
	Kostas Kalabokidis , Palaiologos Palaiologou SOCIAL RESEARCH ON WILDFIRE RISK GOVERNANCE IN GREECE	09:15–09:30		Anastasios Mavrakis EXPLORING THE METEOROLOGICAL IDENTITY OF MANDRA'S 2017 FLOOD EPISODE
	Ioannis Gitas ELABORATING METHODS AND TOOLS IN A NATIONAL OBSERVATORY OF FOREST FIRES (NOFFi)	09:30-09:45		Ioannis E. Zevgolis , Nikolaos C. Koukouzas, Christos Roumpos, Alexandros V. Deliveris, Alec M. Marshall EVALUATION OF GEOTECHNICAL PROPERTY VARIABILITY: THE CASE OF SPOIL MATERIAL FROM SURFACE LIGNITE MINES
	C. Naskos, PPC IMPLEMENTATION OF EMERGENCY RESPONSE PLAN AT PPC'S GROUP INFRASTRUCTURE	09:45–10:00		Anastasios Mavrakis , Papavasileiou Christina, Vamvakeros Xenofon CLASSIFICATION OF WEST ATTICA SECONDARY EDUCATION SCHOOL UNITS CONCERNING NATURAL AND TECHNOLOGICAL RISKS
	Giota Spastra, Planetek Hellas LANDSLIDES MONITORING VIA SATELLITE AND PREDICTION OF THE ASSOCIATED RISK FOR CIVIL PROTECTION. RHETICUS: THE MULTI AWARD WINNING INNOVATIVE PLATFORM OF PLANETEK	10:00–10:15		Maria Karagiannopoulou THE IMPACT OF NATURAL AND MAN- MADE DISASTERS ON PUBLIC HEALTH
	Posters' Session	10:15–11:00		Posters' Session
	E.P.P.O. Seminar "Antiseismic Protection of School Units"	11:00- 14:30	11:00- 11:30	Coffee Break
		11:30-14:15		SESSION 11 – Hall B

Konstantinos Chouvardas Ilias Argyris	Chair
11:30–11:45	Christos Pikridas , Aristidis Fotiou, Stylianos Bitharis, Ion Karolos, Kyriakos Balidakis BeRTISS: BALKAN-MEDITERRANEAN REAL TIME SEVERE WEATHER SERVICE. THE CASE OF GREECE
11:45–12:00	Markos Avlonitis, Spiridon G. Krokidis , Ioannis Vlachos DEVELOPMENT OF A LOW COST EARLY WARNING SYSTEM FOR EARTHQUAKE-INDUCED LANDSLIDES
12:00–12:15	Minos Fylaktos , Stamatis Kalogirou NEXUS ROUTE: AMBULANCE DRONE NETWORK
12:15–12:30	Vasilis Akylas, Aphrodite Bouikidis , Giorgios Dimarelos , Leon Kapetas, Lina Liakou, Stella Psarropoulou, Maria Sitzoglou THESSALONIKI 2030 – THE CITY’S STRATEGY TO STRENGTHEN URBAN RESILIENCE FROM CLIMATE CHANGE. THE CASE STUDY OF BOION STONE BRIDGES
12:30–12:45	Georgios Tasionas , Theofanis Tzompras, Vasileios Drosos PROGRAM TO ADDRESS NATURAL DISASTERS
12:45–13:00	Athanassios Triantafyllou , Stelios Garas, Ioannis Skordas, Basilis Matthaïos, Ch. Diamantopoulos, P. Hurley, M.Thatcher OPERATIONAL FORECAST OF ATMOSPHERIC POLLUTION EPISODES The Western MACedoniaFOrecasting System (Wmac/ FOS)
13:00–13:15	Sarantis-Angelos Liampas, Symeon Karypidis , Vasileios Drosos, John Sismanidis USING G.I.S. AND U.A.V. IN FOREST FIRES
13:15–13:30	Malamati Louta , Konstantina Banti, Thomas Kyriakidis, Yiouli Kritikou,

		<p>Panagiotis Vlacheas, Panagiotis Demestichas, Sokratis Lappos, Charisios Kouziakis</p> <p>ROSEWATER: A PLATFORM FOR SECURING WATER CRITICAL INFRASTRUCTURE IN THE IOT ERA</p>
	13:30–13:45	<p>Ioanna Avloniti, Antonia Spiridonidou, Markos Avlonitis</p> <p>DECISION MAKING IN DISASTER RISK MANAGEMENT BASED ON THE DEVELOPMENT OF A LOW COST EARLY WARNING SYSTEM</p>
	13:45–14:00	<p>Katerina – Navsika Katsetsiadou</p> <p>ARTIFICIAL INTELLIGENCE IN CIVIL PROTECTION: USAGE & ETHICAL ISSUES</p>
Lunch Break	14:15-15:15	Lunch Break
<p>ROUND TABLE</p> <p>Education: A key factor for Disaster Risk Reduction</p> <p>Coordinator: Asimina Kourou</p>	18:00-20:00	



Field Trip

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Poster Presentations

1. ATMOSPHERIC EMISSIONS FROM FOREST FIRE DURING 2005-2014 IN GREECE
Ioannis Agiannidis, Paraskevi Sarigianni
2. SECOND LEVEL PRE-EARTHQUAKE ASSESSMENT FOR MASONRY BUILDINGS – PILOT APPLICATION
Linda Pelli, Maria Panoutsopoulou, Martha Fotopoulou, **Thekla Thoma**, Dionissia Panagiotopoulou, Maria Podimata
3. BERTISS PROJECT - BALKAN-MEDITERRANEAN REAL TIME SEVERE WEATHER SERVICE
Haris Haralambous, Christina Oikonomou, **Christos Pikridas**, Stylianos Bitharis, Guergana Guerova, Tsvetelina Dimitrova, Konstantinos Lagouvardos, Vasiliki Kotroni, Filippos Tymvios
4. SEISMIC ASSESSMENT OF REINFORCED CONCRETE BRIDGES
Linda Pelli, Maria Panoutsopoulou, Martha Fotopoulou, **Thekla Thoma**
5. COPERNICUS SENTINEL SAR DATA AS AN OPERATIONAL TOOL FOR OIL-SPILL DETECTION AND MONITORING: THE CASE OF SARONIKOS GULF (SEPTEMBER OF 2017)
Andreas Karavias, Dora Perrou
6. DELINEATING FLOOD BOUNDARY USING UNMANNED AERIAL VEHICLE (UAV)-DERIVED IMAGERY AND GROUND OBSERVATIONS: THE CASE OF THE 2017 MANDRA FLASH FLOOD IN GREECE
Nafsika-Ioanna Spyrou, Eirini-Spyridoula Stanota, Michalis Diakakis, Emmanuel Andreadakis, Efthymios Nikolopoulos, Maria Evangelia Gogou, Georgios Deligiannakis, Katerina-Navsika Katsetsiadou, Zacharias Antoniadis, Maria Melaki, Argyris Georgakopoulos, Ioannis Kalogiros, Efthymios Lekkas
7. COMPLETE SEISMIC HISTORY OF SOUTHERN AND SOUTHWESTERN PELOPONNESE (GREECE) AND RESPECTIVE ESI 2007 INTENSITIES
Spyridon Mavroulis, Efthymios Lekkas
8. THE 2018 FOREST FIRE OF MATI, GREECE: CHARACTERISTICS AND IMPACTS
Efthymios Lekkas, Panayotis Carydis, **Spyridon Mavroulis**, Michalis Diakakis, Emmanuel Andreadakis, Maria-Evangelia Gogou, Nafsika-Ioanna Spyrou, Elina Kapourani, Miltiadis Athanassiou, Margarita Arianoutsou, Emmanuel Vassilakis, Evelina Kotsi, Phoebe-Demeter Speis, John Delakouridis, Dimitrios Milios, Katerina-Navsika Katsetsiadou, Konstantinos Lagouvardos, Vasiliki Kotroni, Theodoros Giannaros, Athanassios Karagiannidis, Katerina Papagiannakis, Issaak Parcharidis
9. BIG DATA ANALYSIS FOR NATURAL DISASTER MANAGEMENT THROUGH SOCIAL MEDIA
Nikos Athanasis, Dimosthenis Kyriazis, Marinus Themistocleous
10. CORRELATION OF FOREST FIRES AND DIFFERENTIATED HUMIDITY ON SLOPES (WINDWARD AND LEEWARD): CASE STUDY OF NOVA FRIBURGO, RJ, BRAZIL, 2017
Leonardo Dias, Lucas Rocha, Pedro Peregrini, Pedro Lima, Spyros Schismenos, Dimitrios Emmanouloudis, Michail Chalairs
11. A DATABASE DEVELOPMENT IN NOVA FRIBURGO, BRAZIL FOR THE ANALYSIS AND COMPLEMENTATION OF THE MAPPING METHODOLOGY PROPOSED IN THE GIDES'S PROJECT
Lucas Rocha, **Leonardo Dias**, Pedro Peregrini, Pedro Lima, Spyros Schismenos, Dimitrios Emmanouloudis, Michail Chalaris
12. RENEWABLE ENERGY GENERATED BY THE IMPACTS OF NATURAL AND ACCIDENTAL WATER-BASED DISASTERS
Spyros Schismenos, Dimitrios Emmanouloudis, Michail Chalaris, Nikolaos Katopodes



13. RENEWABLE ENERGY AND DRONES IN SEARCH AND RESCUE: AUTOMATED NETWORK FOR AIR-SEA ACTIONS
Spyros Schismenos, Dimitrios Emmanouloudis, Michail Chalaris, Nikolaos Katopodes
14. NATURE-BASED METHODS TO MITIGATE NATURAL DISASTERS: THE ECOMED PROJECT
George N Zaimes, **Georgios Pagonis**, Georgios Giatas, Iordanis Kasapidis, Valasia Iakovoglou, Dimitrios Emmanouloudis
15. EXPLORING OMEGA VERTICAL VELOCITY PATTERNS DURING JULY 23 2018 WILD FIRES IN ATTICA, GREECE
Georgia–MarinaVlamaki, Helena Flocas, **Anastasios Mavrakis**
16. DISASTER PREPAREDNESS & RESPONSE FOR VULNERABLE GROUPS OF POPULATION: EVACUATION PLANNING OF CRITICAL INFRASTRUCTURES IN CASE OF AN EARTHQUAKE OR A FIRE FOR PEOPLE WITH DISABILITIES
Sofia Karma, Olga Kakaliagou, Ioannis Boukis, Evangelia Pelli, **Michail Chalaris**, Miltiadis Statheropoulos
17. ORIENTEERING IN FOREST WILDFIRES
Sokratis Papageorgiou
18. SOFTWARE TOOLS TO THE RESCUE – A NOVEL APPROACH IN THE SERVICE OF CIVIL PROTECTION
Dionysios Papadimatos, Anastasios Hahlakis, Aspasia Karamanou
19. METEOROLOGICAL CONDITIONS AND THE EVOLUTION OF WEST NILE FEVER IN WEST ATTICA
Christina Papavasileiou, AnastasiosMavrakis
20. AN APPROACH TO DEVELOP AN INTEGRATED DATABASE OF NATURAL DISASTERS IN THE REGION OF WESTERN MACEDONIA
Maria Giagkou , Aikaterini-Kyriaki Karampa, Nektaria Traka, Ioannis Orfanidis, Ioannis Parnavellis, Zaxarias Touloumenidis, **Olga Markogiannaki**
21. THE SUSTAINABLE FOREST BIOMASS EXTRACTION AS A TOOL FOR THE FOREST FIRE RISK REDUCTION AND FOR THE CLEAN ENERGY PRODUCTION
Evangelos N. Manolis, Olga Markogiannaki, Maria Daligkarou, Evmorfili Karalazou, Sotiria Mastoropoulou
22. THE ECOLOGICAL PRINCIPLES OF THE RESTORATION OF THE FOREST MEDITERRANEAN ECOSYSTEMS
Evangelos N. Manolis, Olga Markogiannaki, Maria Antoniadou, Anna Diamanti, Aimilianna Pappa
23. THE ROLE OF MEDIA IN DISASTER MANAGEMENT SYSTEM
Stavros Kalogiannidis, Olympia Papaevangelou
24. MASS MEDIA MODELS AND THEORIES OF CRISIS MANAGEMENT
Stavros Kalogiannidis, Olympia Papaevangelou
25. THE COMMUNICATION BETWEEN THE MEDIA AND THE MANAGERS OF THE CRITICAL SITUATION / EVENT
Stavros Kalogiannidis
26. ROLE OF THE RADIO STATION IN CRISIS MANAGEMENT
Stavros Kalogiannidis, Olympia Papaevangelou
27. URBAN PLANNING AND RESILIENCE TO FLOODS. CASE STUDY HOLLAND
Evina Paraskevi Liosatou
28. CLIMATE PROOFING IN A FRAMEWORK FOR IMPROVING THE RESILIENCE OF INFRASTRUCTURE AND NATURAL DISASTER RISK REDUCTION
PanagiotaPaschali,**Olga Markogiannaki**, Zacharias Frontistis, Georgios Tsikrakis



29. THE SOCIAL PERCEPTION OF SEISMIC RISK ASSESSMENT
Spyridon Mpakopoulos, Georgios-Panagiotis Papageorgiou, Alexandros Tzitzas, Ioannis Zamkos, Konstantinos Zirganos, **Olga Markogiannaki**, Evangelos N. Manolis
30. ZONATION FOR MITIGATION OF LANDSLIDE RISK AND RESPONSIBLE TOURISM DEVELOPMENT IN THE IONIAN ISLANDS' BEACHES (WESTERN GREECE)
Spyridon Mavroulis, Nafsika-Ioanna Spyrou, Ioannis Kopanas, Efthymios Lekkas
31. SEISMICITY AND SEISMIC HAZARD ASSESSMENT OF KASTORIA (NW GREECE)
George Kaviris, **Evangelos Douflias**, Ioannis Fountoulakis, Dimitrios Psarris, Konstantinos Cholevas, Christos Millas, Ioannis Spingos, Iason Aliferis, Dimitrios Milios, Ioannis Kassaras, Nicholas Voulgaris, Efthymios Lekkas, Kostas Makropoulos
32. FLOOD EARLY WARNING SYSTEMS
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