

Natural Disasters: Is this a new normality?

A scientists' dialogue under the framework of project Preven-T

PLACE: Thessaloniki, Greece

Thermokoitida Technopolis VEPE Technopoli, Pylaia

30-31 OCTOBER 2023

Online Attendance: <https://zoom.us/j/95044356017>

MONDAY, 30th October

CONFERENCE / WORKSHOP

10:00 – 10:10	Arrival and Registration
10:10 – 10:20	Welcome <i>Dr. Kalliopi Kravari (Project Manager) Prof. Dimitrios Emmanouloudis (Project Coordinator)</i>
10:20 – 10:40	Natural disaster management in Greece: Challenges and suggestions for the next day <i>Mrs. Vasiliki Besiou, Civil Engineer NTUA, Greece</i>
10:40 – 10:55	The biodiversity and monitoring in NP Pelister <i>Mr. Zoran Projcevski NP Pelister, RNM</i>
10:55 – 11:15	An IoT-Based ROUV for Environmental Monitoring <i>Assist. Prof. Dimitrios Tziourtzioumis, International Hellenic University, Greece</i>

11:15 – 11:35	Project Hydra: How we can alert people when warning Technology is defeated <i>Dr Spyros Schismenos, RMIT University, Melbourne Australia & Prof. Dimitrios Emmanouloudis, International Hellenic University, Greece</i>
11:35 – 11:50	PROJECT "EpiSafeNet": Actions for the civil protection of the Region of Epirus <i>Mrs. Nancy Mavrogiorgou, Region of Epirus, Greece</i>
11:50 – 12:10	Coffee break
12:10 – 12:30	Extreme climate phenomena in the Mediterranean <i>Prof. Panagiotis Nastos, National Technical University of Athens, Greece</i>
12:30 – 12:50	An integrated approach for flood analysis in an ungauged mountainous basin <i>Dr. Elisavet Feloni, National Technical University of Athens, Greece</i>
12:50 – 13:10	The contribution of artificial intelligence to holistic flood management and treatment <i>Dr. Kalliopi Kravari, International Hellenic University, Greece</i>
13:10 – 13:30	Modern information and communication technology for preventing flood and other natural disasters <i>Assoc. Prof. Tomislav Shuminoski, Ss. Cyril and Methodius University, RNM</i>
13:30 – 14:15	Light lunch break
14:15 – 14:35	Comparative analysis of YOLOv7 models for use in forest fire detection <i>Mrs. Monika Kachurova, Military Academy RNM</i>
14:35 – 14:55	Effect of fire on vegetation and soil properties in north-east Mediterranean ecosystems <i>Assist. Prof. Panteleimon Xofis, International Hellenic University, Greece</i>
14:55 – 15:15	Prevention and suppression of forest fires in conditions of climate change: Ithaca Island <i>Mr. Thomas Lagkas OLYMPOS CONSULTING, Greece</i>
15:15 – 15:30	Communication technologies to fight forest fires <i>Prof. Periklis Chatzimisios & Mr. Christos Iliopoulos International Hellenic University, Greece</i>
15:30 – 15:50	Round table discussion
15:50 – 16:00	Plenary & Closure

TUESDAY, 31th October

FINAL EVENT

10:00 – 10:20	Arrival
10:20 – 10:30	Welcome <i>Dr. Kalliopi Kravari (Project Manager) Prof. Dimitrios Emmanouloudis (Project Coordinator)</i>
WP3: Observational and Forecasting Fire and Pollution Models	
10:30 – 10:50	Modeling information system for monitoring of forest area, forest fire detection and early warning (D3.1) <i>Mr. Zoran Projceovski NP Pelister & Assist. Prof. Panteleimon Xofis, International Hellenic University</i>
10:50 – 11:10	Development of capacity for dealing with forest fires (D3.2) <i>Assist. Prof. Panteleimon Xofis, International Hellenic University</i>
11:10 – 11:30	Surface water and fragile vegetation pollution model, due to acid rain caused by air pollutants (D3.3) <i>Prof. Panagiotis Nastos, National Technical University of Athens & Mrs. Chrisa Konteli, International Hellenic University</i>
11:30 – 11:50	Coffee break
WP4: Hydrometeorological Repercussion Models	
11:50 – 12:10	High resolution weather forecast model (D4.1) <i>Prof. Panagiotis Nastos, National Technical University of Athens</i>
12:10 – 12:30	Local hydrological model for basin's run-of and torrent's discharge estimation on Pelister's park area (D4.2) <i>Dr. Elisavet Feloni, National Technical University of Athens</i>
12:30 – 12:50	Innovative techniques to detect the existence of discontinuities in Axios river embankments due to mammalian action (D4.3) <i>Prof. Dimitrios Emmanouloudis, International Hellenic University, Greece</i>
12:50 – 13:10	Self-protection guide for natural disasters (D4.4) <i>Mrs. Natasa Pentagioti, International Hellenic University</i>

13:10 – 14:10	Light lunch break
WP5: Creation of Warning and Educational "Civil Protection" Structures	
14:10 – 14:30	Upgrade of the existing information center in NP pelister and development of laboratory in the area of disaster and risk management for educational and research purposes (D5.1) <i>Assoc. Prof. Tomislav Shuminoski, Ss. Cyril and Methodius University</i>
14:30 – 14:50	Emergency management frameworks E.M.Fs. (D5.2) <i>Sen.Ass. Ljupcho Shosholovski Military Academy RNM</i>
14:50 – 15:10	Educational and training seminars for students and citizens of endangered areas aiming to their awareness and preparedness against natural disasters and technological risks (D5.3) <i>Dr. Kalliopi Kravari, International Hellenic University</i>
15:10 – 15:30	Compilation of a MSc program related with natural and technological disasters and risks (D5.4) <i>Prof. Mitko Bogdanoski, Military Academy RNM</i>
15:30 – 15:50	Capitalization and evaluation actions (D5.5) <i>Dr. Kalliopi Kravari, International Hellenic University</i>
15:50 – 16:00	Follow up & Closure

