

Lecture room | Mon, 30 Sep 2024

PL7 | Air quality, Heat and Health in the Mediterranean

Conveners: Francesca Costabile, Tareq Hussein, Christos Giannaros

Chairpersons: Francesca Costabile, Tareq Hussein, Christos Giannaros

09:00–09:45 **Registration**

09:45–10:00 **Conference Opening**

10:00–10:15 Plinius18-142 | PL7

Characterization of Water-Soluble Inorganic Ions and Carbonaceous Aerosols in the Urban Atmosphere in Amman, Jordan

Afnan Al-Hunaiti, Zaid Bakri, Xinyang Li, Lian Duan, Asal Al-Abdallat, Andres Alastuey, Mar Viana, Sharif Arar, Tuukka Petäjä, and Tareq Hussein

10:15–10:30 Plinius18-56 | PL7

Global Compound Events Interplay: Impacts on Fires and Air Pollution

Virgílio A. Bento, Daniela C.A. Lima, João A. Careto, and Ana Russo

10:30–10:45 Plinius18-89 | PL7

Space-time characterization of fire-related air pollutants over Portugal.

Rita Durao, Célia Gouveia, Madalena Simões, André Brito, and Ana Russo

10:45–11:00 Plinius18-85 | PL7 (withdrawn)

The contribution of wildfires to PM2.5 trends in the Mediterranean and their relation to national-level extreme events

Ana Russo, Virgílio A. Bento, André Brito, Daniela C.A. Lima, João A.M. Careto, and Rita Durão

Coffee break

PL5 | Safeguarding and management of cultural and natural heritage at risk from climate extreme events

Conveners: Alessandra Bonazza, Constantinos Cartalis, Dimitrios Alexakis

11:30–11:45 Plinius18-27 | PL5

Leveraging AI for Automated Structural Stability Risk Assessment in Historical Centers

Nikolaos Schetakias, Napoleon Papoutsakis, Merope Manataki, Nikos Papadopoulos, Georgios E. Stavroulakis, and Alessio Di Iorio

11:45–12:00 Plinius18-48 | PL5

TRIQUETRA project: The Mediterranean sites

Anastasia Anastasiou, Charalabos Ioannidis, Constantine Spyarakos, Styliani Verykokou, Denis Istrati, Apostolos Sarris, Salvatore Martino, Kyriacos Themistocleous, Diofantos Hadjimitsis, Haralambos Feidas, Prodromos Zanis, Konstantinos Tokmakidis, Themistoklis Bilis, Sofia Spyropoulou, Chrysanthi Kounnou, Panagiotis Georgiadis, and Vassiliki (Betty) Charalampopoulou

12:00–12:15 Plinius18-86 | PL5

Assessing the risks of climate change for cultural heritage

Anastasios Polydoros, Constantinos Cartalis, Thaleia Mavroukou, and Konstantinos Philippopoulos

12:15–12:30 Plinius18-101 | PL5

The impact of changing climate on the preservation of Mediterranean cinematographic archives

Francesca Frasca, Lisa Vergelli, Chiara Bertolin, and Anna Maria Siani

12:30–12:45 Plinius18-130 | PL5

TOPIO project: Safeguarding the landscape heritage from climate change impact through Landscape Character Assessment and Public Participation

Dimitrios Alexakis, George Lampropoulos, Veerle Van Eetvelde, Isabel Lupa Ramos, Maria Jose Prados Velasco, Betty (Vassiliki) Charalampopoulou, Neratzia Tzortzi, Vito Emanuele Cambria, Dimitris Sykas, Christos Georgiadis, Rute Martins, Cristina Mussachio, Anna Papadima, Virginia Cuccaro, and Alexander Spyropoulos

12:45–13:00 Plinius18-138 | PL5

A novel methodology for strengthening resilience of cultural heritage to the impacts of climate change - application for archaeological sites and monuments in Greece

Constantinos Cartalis, Elena Kountouri, Sofia Zoumpaki, Vassiliki Kotroni, Konstantina Benissi, Eythimios Lekkas, Kostas Lagouvardos, Sofia Spyropoulou, Margarita Kokkoni, Anastasios Polydoros, and Theodore Giannaros

13:00–13:15 Plinius18-103 | PL5

Risk assessment of Italian cultural and natural heritage in a climate change environment

Alessandro Sardella, Linda Canesi, Claudia Roberta Calidonna, Elsa Cattani, Dario Camuffo, Carlo Cacace, Paolo Iannelli, and Alessandra Bonazza

Lunch break

PL7 | Air quality, Heat and Health in the Mediterranean

Conveners: Francesca Costabile, Tareq Hussein, Christos Giannaros

Chairpersons: Francesca Costabile, Tareq Hussein, Christos Giannaros

- 14:30–14:45 Plinius18-112 | PL7
Influence of humidity and temperature on mortality in the Mediterranean, a case study for Cyprus
Anna Tzyrkalli, Christos Giannaros, and Theo Economou
- 14:45–15:00 Plinius18-82 | PL7
Submicron aerosol pollution in Greater Cairo (Egypt): A new type of urban haze?
Alikí Christodoulou, Spyros Bezantakos, Efstratios Bourtsoukidis, Iasonas Stavroulas, Charbel Afif, Agnes Borbon, Mihalis Vrekoussis, Nikos Mihalopoulos, Stéphane Sauvage, and Jean Sciare and the POLCAIR Team and Partners
- 15:00–15:15 Plinius18-78 | PL7
Current Urban Thermal Characteristics and Future Projections in the Mediterranean Basin: Case Studies From Guimarães, Portugal, and Turin, Italy Using Remote Sensing and the SUEWS Model
Ilias Agathangelidis, Constantinos Cartalis, Anastasios Polydoros, Kostas Philippopoulos, and Konstantina Koutroumanou-Kontosi
- 15:15–15:30 Plinius18-18 | PL7
Heat-health warning systems: Warning protocol definition and communication aspects
Elissavet Galanaki, Christos Giannaros, Ilias Agathangelidis, Vassiliki Kotroni, Konstantinos Lagouvardos, and Andreas Matzarakis
- 15:30–15:45 Plinius18-21 | PL7
Health-related atmospheric aerosol over an urban hotspot in the Mediterranean: model performance and insights for different urban parameterizations during heat stress periods
Eleni Athanasopoulou, Dimitris Karagiannis, Georgios Papangelis, Vassiliki Kotroni, Konstantinos Lagouvardos, and Evangelos Gerasopoulos
- 15:45–16:00 Plinius18-49 | PL7
Influence of Temperature and air Pollution on Provincial Mortality in Spain: A Seasonal AI Approach
Juan Pedro Montávez, Ginés Garnés-Morales, Javier Tortosa, Salvador Gil-Guirado, Ester García-Fernández, Marcio Cataldi, Leandro Segado-Moreno, Eloisa Raluy, Victoria Gallardo, and Pedro Jlménez-Guerrero
- 16:00–16:15 Plinius18-35 | PL7
Köppen-Geiger Climate Classifications in Iberia, Greece, and Cyprus under climate change projections with CMIP6 Experiments
Cristina Andrade, Sandra Mourato, Anastasia K. Paschalidou, and Edna Yamasaki
- 16:15–16:30 Plinius18-61 | PL7
From big data to micro morphology: an experimental approach to ecosystem services calculation
Iris Aloisi, Marco Montanari, Silvia Gherardi, Alberto Rodríguez-Fernández, Delia Fernández-González, and Chiara Suanno

PL4 | Socio-economic impacts: exposure, vulnerability, prospectives, and adaptation

Conveners: Maria-Carmen Llasat, Katerina Papagiannaki, Olga Petrucci

Chairpersons: Maria-Carmen Llasat, Katerina Papagiannaki

- 09:00–09:15 Plinius18-41 | PL4
Comparison of flood mortality indices between western Algeria and southern Italy to enhance flood risk assessment within the Mediterranean framework
Olga Petrucci and Miloud Sardou
- 09:15–09:30 Plinius18-83 | PL4
Enhancing the engagement of citizens in weather data collection: the AGORA and I-CHANGE Projects approach
Massimo Milelli, Elena Oberto, Francesco Ubaldi, Lara Polo, Antonio Parodi, Marianna Adinolfi, and Paola Mercogliano
- 09:30–09:45 Plinius18-91 | PL4
Analysis of the relationship of 41-yr reanalysis rainfall data and flood fatalities in the Euro-Mediterranean region
Katerina Papagiannaki, Vassiliki Kotroni, Kostas Lagouvardos, Michalis Diakakis, and Petros Kyriakou
- 09:45–10:00 Plinius18-73 | PL4
Evaluating the frequency of high-mortality flash floods in the Eastern Mediterranean region
Michalis Diakakis, Katerina Papagiannaki, and Meletis Fouskaris
- 10:00–10:15 Plinius18-114 | PL4
Geo-hydrological events and human losses: a gender perspective
Paola Salvati, Loredana Antronico, Cinzia Bianchi, Maria Teresa Carone, Roberto Coscarelli, Stefano Gariano, Mauro Rossi, and Melissa Sessa
- 10:15–10:30 Plinius18-68 | PL4
Improving decision-making during high-impact hydrometeorological events: A series of serious games for flood crisis management exercises
Galatea Terti, Isabelle Ruin, Benoit Gaudou, Delphine Grancher, Déborah Bodini, Pierre Nicolle, and Olivier Payrastré
- 10:30–10:45 Plinius18-47 | PL4
OCEANIDS: Empowering Citizen-Driven Climate Resilience and Inclusive Governance for a Sustainable Blue Economy in Mediterranean Coastal Regions
Eirini Marinou, Polychronis Kolokoussis, Christos Kontopoulos, and Vasiliki (Betty) Charalampopoulou
- 10:45–11:00 Plinius18-19 | PL4
Flood-related mortality in Tunisia and Morocco. Initial results for the period 1980-2020
Freddy Vinet, Yves Trambly, Mohamed El Mehdi Saidi, Jean-Philippe Chereh, Noomene Fehri, Habib Ben Boubaker, Gil Mahe, Robin Gimenez, and Océane Tissot

Coffee break and poster viewing PL5-PL7-PL8

PL8 | Current and emerging challenges of wildfires

Conveners: Theodore Giannaros, Mario Miguel Valero Pérez, Apostolos Voulgarakis

Chairpersons: Theodore Giannaros, Mario Miguel Valero Pérez

Fire Behaviour, Fire Weather, and Fire Management

- 12:00–12:15 Plinius18-36 | PL8
Advancing Wildfire Management in Mediterranean: The TREEADS (H2020) project.
Manolis Grillakis, George Arampatzis, Anastasia Phillis, Stelios Manoudakis, and Apostolos Voulgarakis
- 12:15–12:30 Plinius18-43 | PL8
Integrated Command System for Complex Incidents and Large Wildfires
Jesús Morcillo i Julià
- 12:30–12:45 Plinius18-32 | PL8
Analyzing the chances of evacuation in the 2018 Mati Fire
Nikolaos Kalogeropoulos, Harry Mitchell, Erica Kuligowski, Enrico Ronchi, and Guillermo Rein
- 12:45–13:00 Plinius18-119 | PL8
Numerical analysis of synoptic and mesoscale fire weather dynamics of extreme wildfires in Greece
Georgios Papavasileiou, Theodore M. Giannaros, Konstantinos Lagouvardos, and Ioannis Koletsis
- 13:00–13:15 Plinius18-104 | PL8
Local Flow Velocity Measurements During the Eruptive and Disruptive Dynamic Fire Behaviour
Carlos Ribeiro, Domingos Viegas, Tiago Rodrigues, and Thiago Barbosa
- 13:15–13:30 Plinius18-90 | PL8
The link between temperature and wind extremes with fire activity in Portugal in the 21st century
Patrícia Páscoa, Soraia Pereira, Patrícia de Zea Bermudez, and Célia M. Gouveia

Lunch break

PL2 | Earth Observation data and techniques for the definition, characterisation, and monitoring of natural hazards

Conveners: Giulia Panegrossi, Emmanouil Anagnostou, Yves Trambly

Chairpersons: Emmanouil Anagnostou, Francesco Avanzi

- 14:45–15:00 Plinius18-39 | PL2
[Satellite-based characterization of Mediterranean tropical-like cyclones \(Medicanes\)](#)
Giulia Panegrossi, Leo Pio D'Adderio, Paolo Sanò, Daniele Casella, Stefano Sebastianelli, Jean-François Rysman, Stavros Dafis, Mario Marcello Miglieta, Valentina Di Francesca, and Derrick Herndon
- 15:00–15:15 Plinius18-5 | PL2
[Lightning superbolts follow ship-tracks in Eastern Mediterranean winter thunderstorms](#)
Yoav Yair, Menahem Korzets, Yanai Namia-Cohen, Colin Price, and Niv Surian
- 15:15–15:30 Plinius18-23 | PL2
[An example of the combined use of satellite data and models for the analysis of extreme precipitation events in the Mediterranean: The September 2019 floods in Spain](#)
Livia Leganes, Andrés Navarro, and Francisco Tapiador
- 15:30–15:45 Plinius18-44 | PL2
[AI-Driven Predictions: Foreseeing Mediterranean Extreme Weather in a Changing Climate](#)
Veronica Nieves, Javier Martinez-Amaya, and Gustavo Hazel Guerrero-Navarro
- 15:45–16:00 Plinius18-128 | PL2
[High Spatiotemporal Resolution Determination of the Urban Heat Island in Rome Using Satellite LST Measurements and In Situ Air Temperature Data](#)
Andrea Cecilia, Giampietro Casasanta, Igor Petenko, Marianna Conte, Alessandro Conidi, and Stefania Argentini

Coffee break

Chairpersons: Yves Trambly, Stefano Federico

- 16:30–16:45 Plinius18-16 | PL2
[Spatial contribution to enhance early warning solutions for adapting to climate risks](#)
Lahache Guillaume and Roumagnac Alix
- 16:45–17:00 Plinius18-9 | PL2
[Combining hydrological modeling and satellite observation to estimate the hydrological regime of non-perennial rivers](#)
Nikolaos Nikolaidis, Maria Lilli, Antonia Maragkaki, Carmen Cavallo, Giammarco Manfreda, Maria Nicolina Papa, and Paolo Vezza
- 17:00–17:15 Plinius18-28 | PL2
[Towards an operational, multi-variable, and real-time water scarcity data platform for the Italian Civil Protection Department](#)
Francesco Avanzi, Edoardo Cremonese, Michel isabellon, Luca Trotter, Luca Pulvirenti, Luca Cenci, Giuseppe Squicciarino, Tessa Maurer, Simone Gabellani, Andrea Duro, Emanuela Campione, Silvia Puca, Mario Barbani, Andrea Gollini, Lauro Rossi, and Luca Ferraris
- 17:15–17:30 Plinius18-15 | PL2 (withdrawn)
[Rock fall susceptibility assessment at Caminito del Rey, Málaga, Spain](#)
Jorge P. Galve, Roberto Sarro, José Luis Pérez-García, Alejandro Ruiz-Fuentes, José Miguel Gómez-López, Paula S. Jerez-Longres, Monica Martínez-Corbella, Adrian Riquelme, Rosa M. Mateos, and José Miguel Azañón

Special Session | Tribute to Franco Siccardi, promoter of the Plinius Conference

Conveners: Maria-Carmen Llasat, Giorgio Boni, Giorgio Roth, Antonio Parodi, Vassiliki Kotroni

17:30–18:15

PL1 | Diagnosis, trends, causalities, and predictions of extreme weather events in a climate change environment

Conveners: Mario Marcello Miglietta, Cindy Lebeauin Brossier, Stavros Dafis

Chairperson: Mario Marcello Miglietta

SEVERE WEATHER

- 09:00–09:15 Plinius18-45 | PL1
Combined exploitation of deterministic and AI-based tools for severe weather prediction
Federico Cassola, Daniele Carnevale, Davide Sacchetti, Marco Tizzi, Mattia Cavaola, and Andrea Mazzino
- 09:15–09:30 Plinius18-54 | PL1
Lightning over Italy: analyses of data and impact of their assimilation on lightning and precipitation forecast
Stefano Federico, Rosa Claudia Torcasio, Marco Petracca, Nicoletta Roberto, Silvia Puca, and Stefano Diétrich
- 09:30–09:45 Plinius18-20 | PL1
Assimilation of WIVERN Doppler data in WRF model for the case study of Medcane Ianos
Stefano Federico, Rosa Claudia Torcasio, Mario Montopoli, Giulia Panegrossi, Cinzia Cambiotti, and Alessandro Battaglia
- 09:45–10:00 Plinius18-63 | PL1
On the role of air-sea-wave interaction in developing destructive Tropical-Like Cyclones DANIEL
Antonio Ricchi, Rossella Ferretti, Florian Pantillon, Stavros Dafis, and Diego Saúl Carrió Carrió
- 10:00–10:15 Plinius18-72 | PL1
Numerical simulations of a supercell in northeastern Italy with WRF-HAILCAST
Andrea Perbellini, Francesco Sioni, Agostino Manzato, and Lorenzo Giovannini
- 10:15–10:30 Plinius18-115 | PL1
The peculiarities of Ianos among Mediterranean tropical-like cyclones
Daniele Nigro, Simona Bordoni, Lorenzo Giovannini, and Mario Marcello Miglietta
- 10:30–10:45 Plinius18-109 | PL1
Radar based nowcasting to enhance urban resilience to flash floods in the Metropolitan Area of Barcelona
Laura Esbri, Tomeu Rigo, Blanca Aznar, and María Carmen Llasat

Coffee break and poster viewing PL1-PL2

Chairperson: Cindy Lebeauin Brossier

- 11:45–12:00 Plinius18-132 | PL1
Evaluation of precipitation forecasts of several NWP modelling systems within South-East European Multi-Hazard Early Warning Advisory System - SEE-MHEWS-A project
Kristian Horvath, Iris Odak Plenković, and Endi Keresturi

CLIMATE CHANGE

- 12:00–12:15 Plinius18-3 | PL1
Attribution of the destructive Mediterranean derecho in 2022 to anthropogenic warming
Juan Jesus González-Alemán, Damián Insua-Costa, Eric Bazile, Sergi González-Herrero, Mario Marcello Miglietta, Pieter Groenemeijer, and Markus G. Donat
- 12:15–12:30 Plinius18-37 | PL1
Understanding the influence of a warmer climate on the processes leading to Extreme Rainfalls in the Western Mediterranean. A Pseudo-Global-Warming experiment.
Yseut Bahuet-Bourret and Daniel Argüeso
- 12:30–12:45 Plinius18-22 | PL1 (withdrawn)
Analysis of Causal Links between Mediterranean Climate Extremes and Teleconnection Indices
Alexandros Papadopoulos-Zachos, Christina Anagnostopoulou, Giorgia Di Capua, Georgia Lazoglou, Konstantia Tolika, Kondylia Velykou, and Errikos Michail Manios
- 12:45–13:00 Plinius18-64 | PL1
Diagnosis and Projection of Mediterranean Sea Warming Trends within the Framework of a Generalized Workflow
Enrico Baglione, Marjahn Finlayson, and Simona Simoncelli
- 13:00–13:15 Plinius18-107 | PL1
Ranking and projection of CMIP6 based on Climatic Extremes performance over Central Europe
Saoussen Dhib, Tomas Halenka, Eva Holtanova, Shruti Verma, and Michal Belda
- 13:15–13:30 Plinius18-129 | PL1
Analysis of projected changes of heat days frequency within the Mediterranean region using CMIP6 simulations
Rita Pongrácz, Ferenc Divinsky, and Anna Kis

Lunch break

PL8 | Current and emerging challenges of wildfires

Conveners: Theodore Giannaros, Mario Miguel Valero Pérez, Apostolos Voulgarakis

Chairpersons: Apostolos Voulgarakis, Theodore Giannaros

Fire Danger, Fire Impact, and Future Predictions in a Changing Climate

- 14:30–14:45 Plinius18-124 | PL8
[Compound Extremes and Their Role in Wildfire Dynamics: Insight from Portugal](#)
Patricia De Zea Bermudez, Soraia Pereira, Patrícia Pascoa, and Célia M. Gouveia
- 14:45–15:00 Plinius18-92 | PL8
[The drivers of the 2023 Greece exceptional fire season](#)
Célia M. Gouveia, Daniela Seco, Raquel Santos, and Rita Durão
- 15:00–15:15 Plinius18-12 | PL8
[Assessing and Predicting Forest Fires Burn Severity: A High-Resolution Approach Using the Global Forest Burn Severity Dataset](#)
Kang He, Xinyi Shen, and Emmanouil Anagnostou
- 15:15–15:30 Plinius18-55 | PL8
[Estimating future burnt area changes over Greece using the JULES-INFERN0 model](#)
Anastasios Rovithakis, Apostolos Voulgarakis, Eleanor Burke, Chantelle Burton, Matthew Kasoar, Manolis Grillakis, and Konstantinos Seiradakis
- 15:30–15:45 Plinius18-58 | PL8
[Adapting to change: evaluating the effects of fire prevention approaches in response to climate change](#)
Virgílio A. Bento, Carlos C. DaCamara, Ana Russo, Sílvia A. Nunes, Pedro M.M. Soares, and Ricardo M. Trigo
- 15:45–16:00 Plinius18-11 | PL8
[On the potential of using smartphone sensors for wildfire hazard estimation through Citizen Science](#)
Colin Price, Hofit Shachaf, Dorita Rostkier-Edelstein, and Cliff Mass

PL4 | Socio-economic impacts: exposure, vulnerability, prospectives, and adaptation

Conveners: Maria-Carmen Llasat, Katerina Papagiannaki, Olga Petrucci

Chairpersons: Katerina Papagiannaki, Olga Petrucci

- 09:30–09:45 Plinius18-67 | PL4
Fine-grained information collection from social media for supporting integrated approaches to flood risk analysis
Margherita Lombardo, Francesco Chiaravalloti, **Vincenzo Totaro**, and Olga Petrucci
- 09:45–10:00 Plinius18-94 | PL4
Living Labs and citizen science to activate change of individual habits in a context of Climate Change: the I-CHANGE Day
Laura Esbri, Maria Carmen Llasat, Montserrat Llasat-Botija, Raúl Marcos, Yolanda Sola, Muhammad Adnan, Gabriel Campos, Carlo Cintolesi, Sara Dorato, Anna Mölter, Lara Polo, Gert-Jan Steeneveld, Bio Mohamadou Torou, Silvana Di Sabatino, and Antonio Parodi and the I-CHNAGE Living Labs
- 10:00–10:15 Plinius18-96 | PL4
Climate Change perception in different Italian macro-areas
Maria Teresa Carone, Loredana Antronico, Roberto Coscarelli, Stefano Luigi Gariano, Melissa Sessa, and Paola Salvati
- 10:15–10:30 Plinius18-108 | PL4
Climate change and overheating: A multi-level risk assessment of impacts on Greek cities
Sofia Tsemekidi Tzeiranaki, Maria Papagou, and Theocharis Tsoutsos
- 10:30–10:45 Plinius18-117 | PL4
The Portuguese National Roadmap for Adaptation 2100
Pedro M M Soares and the FCUL Team
- 10:45–11:00 Plinius18-125 | PL4
The role of space for Climate Resilience: a focus on the Mediterranean region
Gabriele Redigonda, Lucas Bersegol, James Francis, Shadi Rochard, and Laura Corbett
- 11:00–11:15 Plinius18-52 | PL4
Analysis and comparison of the impact of floods and compound flood events on the Spanish Peninsular Mediterranean coast
Montserrat Llasat-Botija, **Maria Carmen Llasat**, Raúl Marcos-Matamoras, and Salvador Castán

Coffee break and poster viewing PL3-PL4-PL6

PL3 | Hydro-geological effects of extreme events (e.g., floods, landslides, erosions, coastal dynamics, storm surges etc.)

Conveners: Marco Borga, Giorgio Boni, Michalis Diakakis

- 12:00–12:15 Plinius18-60 | PL3
Impacts of extreme storm and flood events on coastal areas: Data from recent disasters in the Eastern Mediterranean region.
Michalis Diakakis, Marilia Gogou, Christos Filis, Spyridon Mavroulis, Andromachi Sarantopoulou, Ioannis Kapris, Emmanuel Vassilakis, Katerina-Navsika Katsetsiadou, Evelina Kotsi, Nafsika Spyrou, Alike Konsolaki, Eleftheria Stamatii, and Efthymis Lekkas
- 12:15–12:30 Plinius18-100 | PL3 (withdrawn)
The future of the Portuguese most vulnerable coastal areas under climate change – shoreline evolution and future extreme coastal flooding from downscaled bias corrected ensembles
Gil Lemos, Ivana Bosnic, Carlos Antunes, Michalis Voudoukas, Lorenzo Mentaschi, Miguel Santo, Vanessa Ferreira, and Pedro M. M. Soares
- 12:30–12:45 Plinius18-120 | PL3
Analysing extreme flood events in the Mediterranean region
Ioanna Stamatakis, Thomas R. Kjeldsen, Joan Rossello, and Ramtin Sabeti
- 12:45–13:00 Plinius18-6 | PL3
Chronicle of a disaster foretold: The Storm Daniel dam-breaching flood at Derna, Libya
Elad Dente, Moshe Armon, and Yuval Shmilovitz
- 13:00–13:15 Plinius18-113 | PL3
Impact of temperature threshold selection on future changes of liquid precipitation return levels based on convection-permitting models
Matteo Pesce, Eleonora Dallan, Francesco Marra, Giorgia Fosser, Petr Vohnicky, Rashid Akbary, and Marco Borga
- 13:15–13:30 Plinius18-122 | PL3
Comparing extreme sub-daily rainfall projections from convection-permitting climate models and temperature-scaling across an Alpine gradient
Rashid Akbary, Marco Marani, Eleonora Dallan, and Marco Borga

Lunch break

PL6 | Impacts of climate change and extremes on ecosystems and agriculture

Convener: Aristeidis Koutroulis

Chairpersons: Aristeidis Koutroulis, Rita Pongracz, Nikolaos Nikolaidis

14:30–14:45 Plinius18-10 | PL6

[Climate-change adaptation plan in the Mediterranean region](#)

Nikolaos Nikolaidis, Maria Lilli, Shlomo Wald, David Lehrer, Abeer Albalawneh, Anan Jayyousi, Iddo Kan, Suleiman Halasah, Shiri Zemah-Shamir, and Shaddad Attili

14:45–15:00 Plinius18-30 | PL6

[Enhancing weather forecast accuracy for agricultural operations: The MAGDA Project approach.](#)

Martina Lagasio, Massimo Milelli, Elena Oberto, Francesco Ubaldi, Julien Orensanz, Matthias Piot, Sorin Burcea, Zenaïda Chitu, Lisa Verschuren, Amelia Fernández Rodríguez, Aso Validi, Damir Haskovic, Andrea Gatti, Alessandro Fumagalli, and Eugenio Realini

15:00–15:15 Plinius18-33 | PL6

[Spatio-temporal Characteristics of Meteorological Drought Events in The Euphrates-Tigris Basin during 1975–2022](#)

Hiba Mohammad, Marco Peli, and Stefano Barontini

15:15–15:30 Plinius18-46 | PL6

[Examining the contribution of climate change on global soil moisture drought characteristics](#)

Aristeidis Koutroulis, Manolis Grillakis, Simon Gosling, Hannes Müller Schmied, Peter Burek, Sian Kou-Giesbrecht, Wei Qi, Yadu Pokhrel, Yusuke Satoh, Ioannis Tsanis, Lina Stein, and Wim Thiery

Coffee break

Chairpersons: Aristeidis Koutroulis, Nikolaos Nikolaidis

16:00–16:15 Plinius18-80 | PL6

[The extreme future of soil moisture over the Mediterranean region](#)

Daniela C.A. Lima, Virgílio A. Bento, Ana Russo, and Pedro M.M. Soares

16:15–16:30 Plinius18-133 | PL6

[Evaluation of seasonal weather forecasts for agriculture applications in southeastern Europe](#)

Georgios Fragkoulidis, Vassiliki Kotroni, and Kostas Lagouvardos

16:30–16:45 Plinius18-134 | PL6

[Projection of seasonal precipitation conditions and dry days in Southeastern Europe](#)

Rita Pongrácz and Péter Szabó