

Poster hall | Tue, 01 Oct 2024

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

Conveners: Alessandra Bonazza, Constantinos Cartalis, Dimitrios Alexakis

Attendance time: 11:00–12:00

- P27 Plinius18-13 | PL5
[A model of vernacular architecture resilience to impact of climate change and social challenges in the Mediterranean basin: the case study of the Trabocchi Coast \(Abruzzo Region, Italy\)](#)
Fernanda Prestileo, Alessandra Mascitelli, Eleonora Maria Stella, Luisa Irazú López Campos, Stefano Federico, Rosa Claudia Torcasio, Eleonora Aruffo, Piero Chiacchiaretta, Piero Di Carlo, and Stefano Dietrich
- P28 Plinius18-62 | PL5
[From Augustus to Today: The Tiber River's Enduring Battle with Nature's Extremes](#)
Isabel Aguilar Corona, Fernanda Prestileo, Stefano Federico, and Stefano Dietrich
- P29 Plinius18-71 | PL5
[The role of Museums for the protection of cultural heritage in the era of climate crisis](#)
Victoria Zygourou
- P30 Plinius18-93 | PL5
[Patterns of Compound Drought and Heatwave Events in the Mediterranean and Their Atmospheric Circulation Drivers: Implications for Cultural Heritage](#)
Athina-Kyriaki Zazani, Constantinos Cartalis, Kostas Philippopoulos, Ilias Agathangelidis, and Anastasios Polydoros

PL7 | Air quality, Heat and Health in the Mediterranean

Conveners: Francesca Costabile, Tareq Hussein, Christos Giannaros

Attendance time: 11:00–12:00

- p33 Plinius18-26 | PL7 (withdrawn)
[A win-win strategy to enhance the energy transition, improve air quality and reduce associated health threats](#)
Victoria Gallardo, Pedro Jiménez-Guerrero, and Sonia Jerez
- P34 Plinius18-51 | PL7
[An Integrated Analysis of Recent Emissions, Pollutant Concentrations, and Health Impacts over Cyprus: The LIFE SIRIUS Approach](#)
Corey McClintock, Jonilda Kushta, Theo Economou, Daphne Parliari, and Jos Lelieveld
- P35 Plinius18-77 | PL7
[Significance of emission sources identification for understanding the atmospheric load of Alternaria spores and Alt a 1 allergen.](#)
Rodríguez-Fernández Alberto, Blanco-Alegre Carlos, Aloisi Iris, Vega-Maray Ana María, Valencia-Barrera Rosa María, Suanno Chiara, Fraile Roberto, Calvo Ana Isabel, De Nuntiis Paola, and Fernández-González Delia
- P36 Plinius18-95 | PL7
[The uRban hEat and pollution iSlands inTerAction in Rome and possible miTigation strategies \(RESTART\) project](#)
Annalisa Di Bernardino, Erika Brattich, Stefania Argenti, Monica Campanelli, Francesco Barbanò, Giampietro Casasanta, Andrea Cecilia, Silvana Di Sabatino, Margherita Erriu, Serena Falasca, Tiziano Maestri, and Anna Maria Siani
- p37 Plinius18-97 | PL7
[Heat stress in Greece in the future climate](#)
Katerina Pantavou, Vassiliki Kotroni, Konstantinos Lagouvardos, and Petros Kyriakou
- P38 Plinius18-118 | PL7
[A Machine Learning application towards a better representation of Madrid's urban climate](#)
Angelina Bushenkova, Pedro Matos Soares, Frederico Johannsen, and Daniela Lima
- P39 Plinius18-144 | PL7
[Black Carbon aerosols in Mediterranean urban areas](#)
Carmina Sirignano, Lorenzo Marinelli, Gianluca Di Iulio, Stefano Listrani, Alessandro Di Giosa, Andrea Cecilia, Emanuele Santinami, Stefania Argenti, Giampietro Casasanta, Francesco Cairo, Marianna Conte, Stefano Decesari, and Francesca Costabile

PL8 | Current and emerging challenges of wildfires

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

Attendance time: 11:00–12:00

- P40 Plinius18-74 | PL8
[Modelling future risk of forest and peri-urban fires for an eastern Mediterranean environment: the case of Greece](#)
Anna Karali, Maria Hatzaki, Varvara Antoniou, Konstantinos V. Varotsos, Nikolaos Fyllas, and Christos Giannakopoulos
- P41 Plinius18-99 | PL8
[Investigating the Interplay Between Mediterranean Wildfires and Compound Extreme Events Over Land and Adjacent Oceans](#)
Raquel Santos, Ana Russo, and Célia Gouveia

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

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

Attendance time: 10:45–11:45

- P1 Plinius18-7 | PL1
[Projected changes in the link between the deficit of moisture transport from major moisture sources and drought occurrence in the Mediterranean region](#)
Luis Gimeno-Sotelo, José Carlos Fernández-Alvarez, Raquel Nieto, Rogert Sorí, and Luis Gimeno
- P2 Plinius18-14 | PL1
[High-Resolution Climatology of Compound Precipitation and Wind Extremes in the Mediterranean: Insights from Extratropical Cyclones](#)
Patricia Coll-Hidalgo, Jose Carlos Fernández-Alvarez, Raquel Nieto, and Luis Gimeno
- P3 Plinius18-34 | PL1
[Characterization of cold waves in the eastern Iberian Peninsula for a 70-year period \(1947-2016\)](#)
Adrià Revert, María José Estrela, David Corell, and Javier Miró
- P4 Plinius18-65 | PL1
[Past, present and future high-temperature extremes over the Euro-Mediterranean region at the local scale](#)
Victoria Gallardo, Emilia Sánchez-Gómez, Eleonore Riber, Julien Boé, Laurent Terray, and Juan Pedro Montávez
- P5 Plinius18-70 | PL1
[Impacts of a Saharan dust event on weather over Eastern Mediterranean simulated by the WRF-Chem model](#)
Emmanouil Dakanalis and Apostolos Voulgarakis
- P6 Plinius18-79 | PL1
[Snow cover and snow depth trends in the Balkans](#)
Ioannis Masloumidis, Stavros Dafis, Kostas Lagouvardos, Giorgos Kyros, and Vassiliki Kotroni
- P7 Plinius18-88 | PL1
[Heatwaves, Droughts, and Their Synergy in the Mediterranean](#)
André Lourenço, Virgílio A. Bento, João L. Geirinhas, and Ana Russo
- P8 Plinius18-131 | PL1
[The Greek Atmospheric Reanalysis Database](#)
Christina Katsoura, Stavros Dafis, Giorgos Kyros, Antonis Bezes, Ioannis Kioutsoukis, Kostas Lagouvardos, and Vassiliki Kotroni

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

Conveners: Giulia Panegrossi, Emmanouil Anagnostou, Yves Trambly

Attendance time: 10:45–11:45

- P9 Plinius18-24 | PL2
[How much snow is there across the Mediterranean region?](#)
Francesco Avanzi, Hans Lievens, Christian Massari, Lorenzo Alfieri, Fabio Delogu, Lorenzo Campo, Andrea Libertino, Paolo Filippucci, Hamidreza Mosaffa, Pere Quintana-Seguí, Simone Gabellani, and Gabrielle De Lannoy
- P10 Plinius18-25 | PL2
[Effect of cut-off processing parameter on GNSS-ZTD representativeness in extreme weather events](#)
Alessandra Mascitelli, Rosa Claudia Torcasio, Eleonora Aruffo, Piero Chiacchiaretta, Eugenio Realini, Andrea Gatti, Sante Laviola, Stefano Dietrich, Piero Di Carlo, and Stefano Federico
- P11 Plinius18-40 | PL2
[Two satellite-based methodologies for the automated detection of the center of rotation in Mediterranean tropical-like cyclones](#)
Stefano Sebastianelli, Giulia Panegrossi, Leo Pio D'Adderio, Paolo Sanò, Daniele Casella, and Derrick Herndon
- P12 Plinius18-75 | PL2
[On a multitemporal analysis of Copernicus Sentinel data for a robust and near-real time mapping of floods](#)
Teodosio Lacava, Raffaele Albano, Meriam Lahsaini, and Arianna Mazzariello
- P13 Plinius18-102 | PL2
[Effective estimation of Tsunami Coastal Impacts based on Tsunami Inventories, Satellite Imagery and Inundation Zoning](#)
Marilia Gogou, Spyridon Mavroulis, Niki Evelpidou, Dimitris Stagonas, and Efthimis Lekkas
- P14 Plinius18-140 | PL2
[Evaluation of Tracking Methods for Mediterranean Tropical-Like Cyclones using satellite observations: A Comparative Study Using the Generation Index and Mean Sea Level Pressure](#)
Miriam Saraceni, Leo Pio D'Adderio, Lorenzo Silvestri, Giulia Panegrossi, and Paolina Bongioannini Cerlini

Poster hall | Thu, 03 Oct 2024

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

Conveners: Marco Borga, Giorgio Boni, Michalis Diakakis

Attendance time: 11:15–12:00

- P15 Plinius18-31 | PL3
[Exploring historical gully dynamics in an agricultural setting in Mediterranean climate](#)
George Olivier, Marco Van De Wiel, Bastien Dieppois, and Willem de Clercq
- P16 Plinius18-76 | PL3
[Ripple effects: analyzing Cascade effects triggered by extreme storms and floods in the Eastern Mediterranean](#)
Michalis Diakakis, Andromachi Sarantopoulou, Christos Filis, Spyridon Mavroulis, Marilia Gogou, Ioannis Kapris, Emmanuel Vassilakis, Aiki Konsolaki, and Efthymis Lekkas
- P17 Plinius18-105 | PL3
[Integrated analysis of sediment connectivity and geomorphic effects of Storm Ciaran in two mountain catchments in Tuscany \(Italy\).](#)
Federica Fiorucci, Stefano Crema, Lorenzo Marchi, Marco Piantini, Jacopo Rocca, Alessandro Sarretta, and Marco Cavalli
- P18 Plinius18-111 | PL3
[Understanding the impact of climate change on areal reduction factors using convection-permitting models](#)
Petr Vohnicky, Eleonora Dallan, Francesco Marra, Giorgia Fossier, Matteo Pesce, and Marco Borga
- P19 Plinius18-137 | PL3
[The Importance of the observation network density in describing spatiotemporal characteristics of events producing urban flooding: a case study in the city of Genoa, Italy.](#)
Giorgio Boni, Arianna Cauteruccio, Francesco Faccini, Nicola Loglisci, Massimo Milelli, Guido Paliaga, and Antonio Parodi

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

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

Attendance time: 11:15–12:00

- P20 Plinius18-84 | PL4
[Engaging Youth in Citizen Science for Geohydrological Risk Awareness: A Case Study from Chiavari](#)
Ivan Marchesini, Umberto Mezzacapo, Simone Sterlacchini, Debora Voltolina, Christian Gencarelli, Giuseppe Esposito, Antonella Galizia, Mattia Fortunati, Alessandro Sarretta, Alessandro Mondini, and Paola Salvati
- P21 Plinius18-127 | PL4
[Space applications at the service of Food Security](#)
Gabriele Redigonda, Lucas Bersegol, James Francis, Shadi Rochard, and Laura Corbett
- P22 Plinius18-53 | PL4
[Societal Impacts and Adaptive Responses to Mid-20th Century Flood Events in Carinthia and Calabria](#)
Olga Petrucci and Christina Orieschnig
- P23 Plinius18-57 | PL4
[Assessing Climate-Related Risks: Heatwaves, Droughts, Fires, and Pollution in Vulnerable Regions of the Globe](#)
Virgilio A. Bento, Daniela C.A. Lima, and Ana Russo
- P24 Plinius18-87 | PL4
[Future projections of photovoltaic power generation potential change in Greece based on high-resolution EURO-CORDEX RCM simulations](#)
Aristeidis K. Georgoulas, Dimitris Akritidis, Alkiviadis Kalisoras, Dimitris Melas, and Prodromos Zanis
- P25 Plinius18-98 | PL4
[Collaborative data collection to assess physical vulnerability of residential buildings in the flash flood-prone city of La Spezia, northern Italy](#)
Giuseppe Esposito, Daniela Molinari, Simone Sterlacchini, Marco Zazzeri, Ginevra Chelli, Rosa Maria Cavalli, Marco Milella, and Paola Salvati
- P26 Plinius18-42 | PL4
[Comparative Analysis of Human Vulnerability to floods and landslides in Southern Italy: A Multi-Decadal Study](#)
Graziella Emanuela Scarcella, Giovanni Cosentini, Enzo Valente, and Olga Petrucci

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

Convener: Aristeidis Koutroulis

Attendance time: 11:15–12:00

- P31 Plinius18-50 | PL6
[Sub-Selection of CMIP6 Models tailored for Climate Impact Assessments in Greece](#)
Athanasios Tsilimigkras, Apostolos Voulgarakis, Mihalis Lazaridis, and Aristeidis Koutroulis
- P32 Plinius18-81 | PL6
[Use of the return period methodology for the prediction of weather events with adverse impacts - case studies for the agricultural and hydrological sectors](#)
Myrto Gratsea, Gianna Kitsara, Paraskevi Machaira, Efthimia Kostopoulou, and Christos Giannakopoulos