



Paleoclimatology and historical climatology

Convener: [Rudolf Brazdil](#)

Co-conveners: [Ricardo García-Herrera](#), [Fidel González-Rouco](#)

► [Orals](#) | Wed, 04 Sep, 11:00–17:15 (CEST) | Lecture room A112

► [Posters](#) | Attendance Wed, 04 Sep, 18:00–19:30 (CEST) | Display Wed, 04 Sep, 08:00–Thu, 05 Sep, 13:00 | Poster area 'Galaria Paranimf'

Session description

Orals: Wed, 4 Sep, 11:00–17:15 | Lecture room A112

11:00–11:15

Introduction

11:15–11:30 | EMS2024-611 | Onsite presentation

Recent Advances in Understanding the Historical Climate of Extremadura and the Southwest of Iberia: A Review (withdrawn after no-show)

José Manuel Vaquero and María Cruz Gallego

11:30–11:45 | EMS2024-571 | Onsite presentation

[A systematic approach for flood-impact data retrieval in urban floods modelling](#) ►

Margherita Lombardo, Vincenzo Totaro, Francesco Chiaravalloti, and Olga Petrucci

11:45–12:00 | EMS2024-53 | Onsite presentation

[Reconstruction of floods in Poland in the last 1000 years](#) ►

Babak Ghazi, Rajmund Przybylak, Piotr Oliński, and Aleksandra Pospieszyska

12:00–12:15 | EMS2024-1086 | Onsite presentation

[Patterns of precipitation δ18O through the Iberian Peninsula: Machine Learning dynamic modeling for climate proxy calibration](#) ►

Artur Stachnik, Mario Morellón, and Javier Martín-Chivelet

12:15–12:30 | EMS2024-983 | Onsite presentation

[The 1921 European drought: impacts, reconstruction and drivers](#) ►

Gerard van der Schrier, Richard Allan, Albert Ossó, Pedro Sousa, Hans Van de Vyver, Bert Van Schaeybroeck, Roberto Coscarelli, Angela Pasqua, Olga Petrucci, Mary Curley, Mirosław Mietus, Janusz Filipiak, Petr Štěpánek, Pavel Zahradníček, Rudolf Brázdil, Ladislava Řezníčková, Else van den Besselaar, Ricardo Trigo, and Enric Aguilar

12:30–12:45 | EMS2024-90 | Onsite presentation

[Impacts of external forcing and internal variability on the evolution of hydroclimate during the last millennium](#) ►

Pedro José Roldán-Gómez, Jesús Fidel González-Rouco, Jason Smerdon, and Félix García-Pereira

12:45–13:00 | EMS2024-336 | Onsite presentation

[Extreme air temperature in Toruń \(Poland\), 1871–2020](#) ►

Aleksandra Pospieszyska and Rajmund Przybylak

Lunch break

14:00–14:15 | EMS2024-891 | Onsite presentation

[A gridded data set to study historical climate impacts in Switzerland since 1763](#) ►

Imfeld Noemi and Brönnimann Stefan

14:15–14:30 | EMS2024-346 | Onsite presentation

[Towards automated and global homogenization procedures for early instrumental temperature data.](#) ►

Elin Lundstad

14:30–14:45 | EMS2024-1013 | Onsite presentation

[Anticipating the Future: The 2022 Heatwave as a Harbinger of Climate Extremes in the Mediterranean Region.](#) ►

Ernesto Tejedor, Gerardo Benito, Roberto Serrano-Notivoli, Fidel González-Rouco, Jan Esper, and Ulf Buntgen

14:45–15:00 | EMS2024-956 | Onsite presentation

[Long-term trends in extreme air temperature indices in Ireland](#) ►

Carla Mateus

15:00–15:15 | EMS2024-614 | Onsite presentation

The Meteorological Observations of Jovellanos at Bellver Castle (Mallorca, Spain) (withdrawn after no-show)

José Manuel Vaquero

15:15–15:30 | EMS2024-376 | Onsite presentation

[Abnormal Climate and Market Economy: The Impact of Solar Radiation on Rice Prices during the 1830s Famine in Japan](#) ►

Mika Ichino, Kooiti Masuda, Takehiko Mikami, and Yasuo Takatsuki

Coffee break

16:00–16:15 | EMS2024-456 | Onsite presentation

[On the ubiquitous unstable relation among climate modes and their local effects](#) ▶

David Gallego, Carmen Alvarez-Castro, David Barriopedro, Ricardo García-Herrera, and Cristina Peña-Ortiz

16:15–16:30 | EMS2024-665 | Onsite presentation

[Reconstruction of strong winds in Gdansk, Poland, in the 18th century](#) ▶

Janusz Filipiak, Rajmund Przybylak, Aleksandra Pospieszynska, Piotr Oliński, and Andrzej Arażny

16:30–16:45 | EMS2024-321 | Onsite presentation

[Strong winds in Poland from the 13th to 18th centuries](#) ▶

Rajmund Przybylak, Andrzej Arażny, Janusz Filipiak, Piotr Oliński, and Artur Szwaba

16:45–17:15

Short poster presentations

Posters: Wed, 4 Sep, 18:00–19:30 | Poster area 'Galaria Paranimf'

Display time: Wed, 4 Sep, 08:00–Thu, 5 Sep, 13:00

GP29 | EMS2024-16

[Climate conditions of the coastal part of Labrador in the late 18th century](#) ▶

Garima Singh, Rajmund Przybylak, Andrzej Arażny, Przemysław Wyszyński, and Konrad Chmist

GP30 | EMS2024-31

[Bioclimatic conditions in the north-eastern part of the Labrador Peninsula in the second half of the 18th century](#) ▶

Konrad Chmist, Andrzej Arażny, Rajmund Przybylak, Przemysław Wyszyński, and Garima Singh

GP31 | EMS2024-151

[Application of a weighted ensemble forecasting method based on online learning in subseasonal forecast in the South China](#) ▶

Fei Xin

GP32 | EMS2024-206

[Severe drought events of late 19th century in Catalonia \(NE Spain\) and their social impacts \(1864-1897\)](#) ▶

Josep Barriendos, Gerard Piera, Santiago Gorostiza, and Mariano Barriendos

GP33 | EMS2024-236

[GIS-aided historical data for assessing rainfall-related effect along a transportation network of a coastal Mediterranean area \(Calabria, southern Italy\)](#) ▶

Graziella Emanuela Scarcella, Massimo Conforti, Giovanni Cosentini, Enzo Valente, and Olga Petrucci

GP34 | EMS2024-264

[100 years since the biggest avalanche tragedy in Slovakia in the Rybô village - reanalysis of weather conditions](#) ▶

Katarina Mikulova, Martin Vojtek, Gabriela Ivaňáková, Norbert Polčák, and Pavel Faško

GP35 | EMS2024-276

[Historical Droughts in Catalonia. New database for events from 1700 to 1950](#) ▶

Mariano Barriendos, Josep Barriendos, Jordi Cunillera, and Marc Prohom

GP36 | EMS2024-314

[Changes in bioclimatic conditions in Nuuk \(SW Greenland\) in the years 1874–2020](#) ▶

Andrzej Arażny, Konrad Chmist, Rajmund Przybylak, Przemysław Wyszyński, and Garima Singh

GP37 | EMS2024-363

[Long-term responses to changes in Arctic soil hydrology](#) ▶

Félix García-Pereira, Jesús Fidel González-Rouco, Nagore Meabe-Yanguas, Johann Jungclaus, Philipp de Vrese, and Stephan Lorenz

GP38 | EMS2024-554

[Identifying Past Droughts in El Hierro \(Canary Islands\) With ERA5 Climate Reanalysis and SPI](#) ▶

Damián Caballero-Fernández, Ferran Salvador-Franch, and Montserrat Salvà-Catarineu

GP39 | EMS2024-1076

[Decoding the climatic signal recorded in speleothems from La Cova del Drac in Mallorca](#) ▶

Judit Torner, Isabel Cacho, Joan Fornós, Albert Català, Mercè Cisneros, Ileana Bladé, Ana Moreno, and Heather Stoll