

## DHEFEUS

1<sup>st</sup> WORKSHOP

IDL LIBRARY and ONLINE

<https://videoconf-colibri.zoom.us/j/8232612915>

## IDL

Faculdade de Ciências da Universidade de Lisboa,  
Campo Grande Edifício C1, Piso 1, 1749-016 Lisboa



The overarching goal of DHEFEUS is to enhance the knowledge on compound or cascading weather/climate events, namely droughts and heatwaves, and further associate them to the occurrence of wildfires and pollution events in Europe.

DHEFEUS will address the potential weather–air pollution interaction during wildfires and dust storms, taking into consideration that concurrent droughts and extreme temperatures can potentiate fires and the occurrence of air pollution episodes.

Apart from addressing weather and climate-driven events, DHEFEUS will also focus on 1) wildfires, which are very sensitive to weather, climate variability and particularly, to weather extremes such as heatwaves and droughts; 2) wildfires' pollutants emissions.

2023

2026

4  
InstitutionsBriefing  
Workshop

Iceland  
Liechtenstein  
Norway grants



Universidade de Vigo



13  
November  
2024

AICLIMATE@EU

# DHEFEUS

<b>13 November</b>	<b>ONLINE:</b> <a href="https://videoconf-colibri.zoom.us/j/8232612915?pwd=beVgdq7Hg32vzJHxk7Cno6wM8w9xC1.1&amp;omn=99060997673">https://videoconf-colibri.zoom.us/j/8232612915?pwd=beVgdq7Hg32vzJHxk7Cno6wM8w9xC1.1&amp;omn=99060997673</a>
10:00 – 12:30	Pre-Workshop Meetings
12:30 – 14:00	<i>Lunch</i>
14:00 – 14:20	<b>Briefing</b> (Ana Russo)
14:20 – 14:40	AI applications to extreme events (Pedro Lind, OsloMet)
14:40 – 14:55	Air pollutants modelling and forecast using in situ and CAMS data in Portugal (André Brito, IPMA, FCUL)
14:55 – 15:10	User-friendly atmospheric blocking detection algorithm helps identification of extreme events (Miguel Lima, IDL, FCUL)
15:10 – 15:20	The adoption of Copernicus Services National Collaboration Programme (Rita Durão, IPMA)
15:20 – 15:50	<i>Coffee Break and Poster Session</i>
15:50 – 16:20	Project Dhefeus - Gaps that still need to be addressed (Francesca Di Giuseppe, ECMWF)
16:20 – 16:30	Compound Climate Events in the Mediterranean: The interaction between marine conditions and heatwaves, droughts and wildfires (Raquel Santos, IPMA, FCUL)
16:30 – 16:40	A global view of concurrent wildfires, droughts, heatwaves, and air pollution: impacts and risks (Virgílio Bento, IDL, FCUL)
16:40 – 16:50	How has burned vegetation been recovering? Assessing post-fire recovery using remote-sensing products and dynamic global vegetation models (Tiago Ermitão, IDL, FCUL, IPMA)
16:50 – 17:00	Compound drought and heatwaves over South America under present and future climate change conditions: evolution, atmospheric dynamics and land-atmospheric feedbacks (João Geirinhas, IDL, FCUL)
17:00 – 17:20	<b>Concluding remarks</b> (Célia Gouveia, IDL, FCUL, IPMA)

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