

13-15
November
2024

AICLIMATE@EU

DHEFEUS

IDL LIBRARY and ONLINE

EUROPE

AI
Fires
Pollution
Extreme events

2023
-
2024



BRIEFING SESSION

WORKSHOP

TRAINING SESSIONS

FINAL MEETING

Ana Russo (IDL/UL) and Pedro Lind (OsloMet/ NordSTAR) established a bilateral relation funded by the European Economic Area Financial Mechanism 2014-2021 (AIClimate@EU). AIClimate@EU strengthened the cooperation activities of both partners, in particular establishing a network for exchange of climate data and Artificial Intelligence (AI) methods to broaden the knowledge of cascading climate events in Europe leading to possible social and economical catastrophes. Moreover, it ensured the dissemination of results across Europe and fostered future collaboration between the two institutions.

3
Study Trips

8
MSc
Students

2
Institutions

Briefing
Workshop

Iceland
Liechtenstein
Norway grants



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13 November	ONLINE: https://videoconf-colibri.zoom.us/j/8232612915?pwd=beVgdq7Hg32vzJHxk7Cno6wM8w9xC1.1&omn=99060997673
10:00 – 12:30	Pre-Workshop Meetings
12:30 – 14:00	<i>Lunch</i>
14:00 – 14:20	Briefing (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 (Virgilio 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	Concluding remarks (Célia Gouveia, IDL, FCUL, IPMA)

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14 November	
10:00 – 12:30	Training sessions (Pedro Lind)
12:30 – 14:00	Lunch
14:00 – 16:00	Group meetings
16:00- 16:30	Daily closing remarks
19:00	Social Dinner

15 November	
10:00 – 12:30	Training sessions (Pedro Lind)
12:30 – 14:00	Lunch
14:00 – 15:00	Discussion of ongoing papers
15:00- 16:30	Discussion of future proposals
16:30- 17:50	Final Meeting


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The activities will take place at **IDL/FCUL**, except for the social dinner.

