

BLENDED INTENSIVE PROGRAMME (BIP)

WILDFIRES PREVENTION AND MANAGEMENT

The Wildfire Prevention and Management course aims to **train professionals to be able of dealing with the growing intensity and severity of wildfires around the world**. This course goes beyond conventional boundaries, exploring the challenges that today's wildfires present to firefighters and emergency managers, focusing and working on case studies of extreme fire behaviour and the use of decision support tools.

**LOCAL:**

Lusófona University – Porto Campus
Portugal

**DATE:**

04 to 08 May 2026

**ECTS:**

3

The intervention areas of this course cover the topics of extreme fire behaviour, prescribed burning, the use of drones as a decision support tool, as well as the discussion of case studies.

With the aim of developing joint work between universities, **this BIP is based on active problem-based learning and role-playing techniques**. There will also be an immersive experience in wildfires and civil protection with the presence of mediation teams. To disseminate collectively constructed knowledge, throughout the course students and teachers on Erasmus+ mobility are challenged by the tasks proposed in workshops, to prepare chapters/papers to integrate a conference or journal in the field of Wildfire Prevention and Management.



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BIP PROGRAMME – VIRTUAL SESSIONS

DATE AND HOUR	TOPICS COVERED
Monday 20/04/2026 2:00PM-3:00PM CET	Online session to present the topics, the activities, the detailed calendar, the evaluation and the participants of the BIP.
Monday 20/04/2026 3:00PM-5:00PM CET	Introduction to Wildfires.
Wednesday 22/04/2026 10:00AM-12:00AM CET	Modelling fire behaviour in the WUI.
Monday 27/04/2026 10:00AM-12:00AM CET	The use of drones in Wildfires.
Wednesday 29/04/2026 10:00AM-12:00AM CET	Forest fuels - properties and influence on fire behaviour.

BIP PROGRAMME – ON-SITE SESSIONS (Portuguese Time)

DATE AND HOUR	TOPICS COVERED
Monday 04/05/2026	2:00 PM – Registration of participants 2:30 PM – Kick Off + Welcome Words 3:00 PM – Brainstorming: Legislation and standards applied to the use of drones in wildfires in different countries of Europe
Tuesday 05/05/2026	10:00 AM – Class: Extreme fire behaviour and case studies of Wildfires 12:30 AM – Pause 2:30 PM – Workshop: Presentation of work group on Wildfires case studies
Wednesday 06/05/2026	<i>Guided tour of Porto in the morning</i> <i>Social lunch</i> <i>Free afternoon</i>
Thursday 07/05/2026	8:00 AM – Scheduled departure from Lusófona University – Porto Campus 10:00 AM – Prescribed fire session using drones in Vila Real 1:00 PM – Lunch (UTAD) 2:30 PM – Brainstorming on the use of fire to prevent wildfires and on the use of drones as a decision support tool based in the morning's practical activity 4:30 PM – Guided tour of Vila Real 6:00 PM – Port of honor at Vila Real Town Hall 8:00 PM – Arrival at the Lusófona University – Porto Campus
Friday 08/05/2026	10:00 AM – Individual/group presentation of different technologies applied to Civil Protection in use in each student's country of origin 12:00 AM – Balance and closing

CONTACTS:



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