



VOLUNTEERING CAMP

Blended Intensive Programme



CONSERVATION | ENVIRONMENTAL RISK MANAGEMENT |
RESTORATION ECOLOGY | FORESTRY & LAND
MANAGEMENT | SUSTAINABLE LAND-USE PLANNING



ONLINE SESSIONS 23-27 June 2025

ON SITE WEEKS 7-21 July 2025

PRE-REQUISITES

• EUNICE student

• English: B2 level

NUMBER OF PARTICIPANTS

• 18 (2 per institution)

HOW TO APPLY & ENROL

- In order to apply and guarantee Erasmus+ funding, contact the International Office (IRO) of your institution.
- Each IRO will establish their own internal application call and inform IPV about the selected participants (deadline: 16 May).
- The IRO of IPV will send all the participants information about the enrolment.

PARTICIPANT PROFILES

• This volunteering camp is particularly beneficial for participants interested in applied conservation, environmental risk management, restoration ecology, forestry & land management and sustainable land-use planning. A background in environmental science is recommended but not mandatory.

Biodiversity and Risk Management VOLUNTEERING CAMP

Biodiversity & European Policies and Concepts of Risk Management in Natural Ecosystems

Civil Protection Structure and Organisation

Wildfire Mitigation Strategies and Ecosystem Restoration

The Role of Fungi in Ecosystems and Freshwater Ecosystem Threats

Invasive Woody Plant Species

The Asian Hornet (Vespa velutina)
Invasion & Pollinator Conservation

Impacts of Biodiversity on Viticulture

Ecosystem Conservation Project

COORDINATOR Hélder Viana, Polytechnic Institute of Viseu

VENUE: Bombeiros Mangualde, Tv. dos Combatentes 21, Mangualde



Online sessions Week 1: June 23-27

Day 1 - Presentation

- Presentation of the BIP, participants and programme objectives
- Fundamentals of biodiversity and risk management
- What to know about forest surveillance, fire prevention and fauna and flora protection?
- Reading articles and watching videos on Biodiversity and Risk Management

Day 3 - Thematic presentations

- Biodiversity and importance of fungi in ecosystems,
 forest biodiversity, fire prevention and post-fire recovery
 José Manuel Costa, IPV
- Freshwater fish biodiversity monitoring and conservation - José Manuel Costa, IPV
- The endemic flora of the Peloponnese (Greece) and especially about Taygetos mountain - Epaminondas Kartsonas, UoP
- Remote Sensing Technologies (Drones, Satellite Imagery, Sensors) for mapping Biotic & Abiotic Risks -Helder Viana, IPV

Day 2 - Thematic presentations

- Risk behaviour and effects of forest fires in Mediterranean regions in light of new climatic conditions - Sérgio Lopes, IPV
- Civil protection responses in case of emergency
 Filipa Rodrigues Pereira, IPV
- "Learning from the past? Fires, forest grazing and biological diversity" in a Swedish context -Eva Svensson, KAU
- Changes in fire regimes and lessons learned.
 Case study of forest fire in Västmanland
 (Sweden) in 2014 Magnus Johansson, KAU

Day 4 - Thematic presentations

- Cardoon as endogenous resource for valorisation of the territory - Paulo Barracosa, IPV
- Conservation and restoration projects.
 Life Nieblas and Life Landscape Fire André Mota, CIM VDL

Onsite sessions Week 2: July 7-11

Day 1 - 7th July

Welcome session & Programme Introduction

- Institutional Presentations
- Overview of Objectives & Schedule -
- Icebreaker Activity: Meet Your Peers & Team Assignments
- Introduction to Group Projects & Case Studies
- Networking & Social Event

Day 2 - 8th July Civil Protection Structure and Organization

- 10h Forest Surveillance and Firefighting
 - National Civil Protection System Miguel Ângelo David, Sub-Regional Commander of Emergency and Civil Protection of Viseu Dão Lafões
 - Emergency Protection and Relief Unit of Republican National Guard (UEPS - GNR) -Lieutenant Colonel Adriano Resende, Commander of the GNR Territorial Command of Viseu
 - The role of the Republican National Guard (GNR) of Mangualde in the civil protection - André Batista, Commander of the Mangualde Territorial
 Detachment
 - Civil Protection Unit and Volunteer Firefighters of Mangualde - Márcio Teles, Commander of Mangualde Volunteer Firefighters
- 12h30-14h Lunch Break
- **14h** Simulation of firefighters' actions in case of emergencies

https://eunice-university.eu/student-research-clubs/opportunities-students/



Day 3 - 9th July Biodiversity and Risk Management in Natural Systems

- 10h EU Biodiversity, Ecosystem Risks and Services
 - EU Biodiversity Strategy 2030 & Key Legal
 Frameworks (Habitats & Birds Directives, CBD)
 - Biodiversity Loss: Causes & Consequences
 - The Importance of Risk Management in Biodiversity Conservation
 - Principles of Risk Management in Ecology
 - Field work Identifying Ecosystem Risks and Services
- 12h30-14h Lunch Break
- **14h30** Trip to a cardoon biogenetic reserve. Serra da Estrela cheese tasting experience

Day 4 - 10th July Wildfire Mitigation Strategies and Biodiversity Conservation

- 09h Prescribed Burning and Grazing as Fire Mitigation Strategies
 - Field Visit to areas treated by prescribed burning (Serra da Estrela)
 - Fire Ecology & Mediterranean Landscapes
 - Prescribed Burning: Benefits & Challenges
 - Grazing in mountain areas
- 12h30-14h Lunch Break
- 14h Biodiversity, Endemics and Protected
 Species
 - Trip to Protected Areas & Natura 2000 Sites (Serra da Estrela)

Day 5 - 11th July The Role of Fungi in Ecosystems and Freshwater Ecosystems Threats

- 10h Departure from Mangualde to fieldwork (Vila Nova de Paiva/Viseu)
 - Identifying fungal biodiversity and its ecological importance
 - The ecological importance of fungi
 - The role of fungi in decomposition and nutrient recycling.
 - Mycorrhizal networks, carbon sequestration and bioremediation
 - How fungi help prevent forest fires and their role in water retention and flood prevention
 - Freshwater ecosystems: threats & conservation policies (EU Water Framework Directive)
- 12h30-14h Lunch Break
- 15h Visit to the city of Viseu
- 20h Dinner in Viseu
- **00h** Return to Mangualde

Onsite sessions Week 3: July 14-19

Day 6 - 14th July

Biological Invasions: Causes & Impacts

- 09h Invasive Woody Plant Species
 - Fieldwork: Control of Acacia dealbata invasive species
 - Management Strategies and removal techniques
- **12h30-14h** Lunch Break
- 14h30 Ecosystem Restoration
 - Field visit to projects aimed at mitigating biotic and abiotic factors and promoting biodiversity
 - Visit to a forest watch tower (Caramulo)



Day 7 - 15th July The Asian Hornet (Vespa velutina) Invasion & Pollinator Conservation

- 09h The Impact of Asian Hornet on European Pollinators
 - Field Observation: Asian hornet Nest Detection,
 Monitoring Strategies & Control
- 12h30-14h Lunch Break
- 14h00 Understanding the Role of Biodiversity in Vineyard Ecosystems
 - Discussion on how biodiversity contributes to soil health, pest control, and grape quality.
 - Field Visit to a Vineyard in Dão Region and Cellar of Adega Cooperativa de Mangualde
 - Tasting of wines produced with sustainable practices

Day 9 - 17th July Ecosystem conservation project

- 09h Workgroup
 - Development of an ecosystem conservation project
- 12h30-14h Lunch Break
- 14h00 Final Project Presentations

Note:

Weekends (days 12, 13 and 19, 20) will be free time for students to relax, explore, and socialise.

Day 8 - 16th July Forest Surveillance and Firefighting

- 09h Departure to Viseu
 - Visit to the Municipal Civil Protection
 Command Centre of Viseu
 - Visit to the Regional command of civil protection in Viseu Aerodrome
- 12h30-14h Lunch Break
- 14h00 Forest defense against biotic and abiotic agents
 - Visit to ICNF Structure for Forest Defense against Fire
 - Fild visit to nematode monitoring and control sites

Day 10 - 18th July Open Day Activities and Farewell Session

- 09h Environmental alert strategies
 - Developing an educational brochure on fire safety and prevention / designing a media campaign for environmental awareness (e.g., social media posts & call-to-action)
- 12h30-14h Lunch Break
- 14h00 Reflective Activity
 - Feedback Collection
 - Certificate Distribution
 - Closing Remarks
 - Group Photo Session





