

**Interreg**  
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**FRED**



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**Title of document:**

# **Procurement report**

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## **Work package 1**

Defining and implementing tools for wildfire prevention and mitigation

### **Activity 1.3**

Procurement of UAV and auxiliary equipment

#### **Deliverable 1.3.1**

Procurement report

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<b>Project full title:</b>	Fire free MED
<b>Mission:</b>	Protecting, restoring and valorising the natural environment and heritage – Natural heritage
<b>Priority:</b>	Greener MED
<b>Specific objective:</b>	RSO 2.4 Promoting climate change adaptation and disaster risk prevention, resilience, taking into account eco-system-based approaches

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### **Partner in charge: Municipality of Ulcinj (MU)**

**Partners involved:** Pilot partners (Fire and rescue service Sežana, Rocca di Cerere UNESCO Global Geopark, The National Park Una, Public fire brigade of the Town of Mali Lošinj, CIMBAL – Intermunicipal Community of Baixo Alentejo)

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## 1. Introduction

This procurement report is prepared as part of the deliverables for the FRED project, financed under the Interreg Euro-MED programme. The overall objective of the FRED project is to implement advanced ICT and Unmanned Aerial System (UAS) tools, specifically drone technology, for climate change adaptation, disaster risk prevention, and mitigation in the wildfire segment. The FRED project will pilot test in six piloting areas of the heavily affected wildfire regions of Italy, Slovenia, Croatia, Bosnia and Herzegovina, Montenegro and Portugal.

By deploying these innovative technical solutions, the project aims to prevent and mitigate wildfires effectively, strengthen the resilience of the EU wildfire hotspot in the Mediterranean region, and contribute to reducing risks to human lives, ecosystem degradation, and habitat and biodiversity loss.

In alignment with these objectives, the project included the procurement of UAS and auxiliary equipment, including also personal computers, monitors, and related technology as part of Activity 1.3. This report provides a detailed account of the procurement processes undertaken to acquire the necessary equipment, ensuring full compliance with the applicable EU, national, and Interreg Euro-MED programme procurement rules.

All procurement activities described in this document were conducted transparently and efficiently, with adherence to principles of economy, fairness, and accountability. The report includes comprehensive descriptions of procurement action and an evaluation of financial aspects related to the budgeted versus actual expenditures. Challenges encountered during the procurement process and the corresponding solutions are also addressed to guarantee good project management and the effective use of funds.

This document serves to demonstrate transparency and compliance and to contribute to the overall success and sustainability of the FRED project.

## List of abbreviations and terms

<b>Abbreviation</b>	<b>Definition</b>
<b>DAP</b>	Delivery at place
<b>DDP</b>	Delivered duty paid
<b>DMR</b>	Digital mobile radio
<b>DRO</b>	State command network (in Slovenia)
<b>FRSS</b>	Fire and rescue service Sežana
<b>JP</b>	Public enterprise (in Bosnia and Herzegovina)
<b>JS</b>	Joint Secretariat
<b>MePa</b>	Electronic market of the public administration (in Italy)
<b>UAS</b>	Unmanned aircraft system
<b>UAV</b>	Unmanned aerial vehicle
<b>ZARE</b>	Federal analogue radio network (in Slovenia)

## **2. Procurement procedures for UAV and auxiliary equipment, workstation equipment, and additional hardware/software support**

Procurement procedures have been conducted by six pilot partners. Some partners completed the procurement process during the third period of the project implementation, while others finalised them in the fourth period.

### **2.1. Pilot partner: Fire and rescue service Sežana, Slovenia**

#### **2.1.1. Purpose of the procurement (procurement of UAV and auxiliary equipment)**

The procurement of an unmanned aircraft system (UAS) and auxiliary equipment by the Fire and Rescue Service of Sežana (FRSS) was conducted within Activity 1.3 of the FRED project under WPI – Defining and implementing tools for wildfire prevention and mitigation. The acquisition aims to strengthen the organisation’s operational capabilities for preventing, detecting, monitoring and mitigating wildfires in the Mediterranean region.

The UAS will support preventive inspections during periods of declared fire danger, provide real-time aerial monitoring during active wildfire interventions, and enable the detection of hotspots and assessment of fire propagation. After interventions, the system will be used for post-fire analysis, including mapping and 3D modelling of LiDAR data. The UAS will also support public warning in remote or at-risk areas and enhance situational awareness for civil protection operations.

Through this procurement, FRSS improves its preparedness, enhances firefighter safety, and supports more effective decision-making in alignment with the objectives of the Fire free MED – FRED project.

#### **2.1.2. Contract details**

The procurement was implemented as an official public tender (low-value procedure) in accordance with Article 47 of the Slovenian Public Procurement Act (ZJN-3), based on the Decision on the initiation of the procurement procedure issued on 25 April 2025.

The contract covers the following:

- Supply, delivery, installation and commissioning of one unmanned aircraft system (UAS) with auxiliary and additional payloads;
- Delivery location: Fire and Rescue Service of Sežana, Bazoviška cesta 13, 6210 Sežana, Slovenia;
- Commissioning: system activation, configuration, firmware updates, creation of operational profiles and a handover test flight.

The contracting authority defined the estimated contract value as: €55.998,00 with VAT included (€45,900.00 excluding VAT).

The procurement was financed within the INTERREG EURO-MED – FRED project. All equipment delivered under the contract was marked with the project sticker, EU emblem and a statement indicating EU co-funding.

### 2.1.3. Tender procedures

The tender procedure followed the timeline specified in the contracting authority's decision:

- Publication of documentation: 29 April 2025
- Deadline for questions: 29 April 10:00
- Bid submission deadline: 5 May 2025, 10:00
- Public bid opening: 5 May 2025, 11:00
- Finality of decision: 8 May 2025
- Contract signature: 23 May 2025
- Contract publication: 27 May 2025.

An evaluation committee was appointed to prepare the documentation, manage clarifications, evaluate the bids and prepare the award decision.

The Institute for the Development of Unmanned Systems, Ljubljana, Slovenia, was selected as the supplier. It was the sole bidder whose offer complied with all required technical specifications. The total procurement value amounted to €50.320,17 with VAT included (€ 41.246,04 excluding VAT).

The order was placed on 23 May 2025, the payment was completed on 27 June 2025, and the item was delivered on 29 May 2025.

The procurement was carried out transparently, in line with national legislation and applicable programme rules, and within the available budget.

#### 2.1.4. Technical specifications of the awarded system

The technical requirements were defined in the official *Technical Specifications for the procurement of a UAS with additional payload* issued by ZGRS Sežana.

These specifications correspond to a high-performance, professional UAS suitable for advanced wildfire monitoring and civil protection operations.

The awarded system includes:

- **UAS platform:** professional multi-sensor drone (equivalent to DJI Matrice 350 RTK class)
- **Primary multi-sensor payload:** integrated EO/IR camera system with zoom, thermal imaging, laser rangefinding and NIR illumination
- **LiDAR payload:** LiDAR sensor with RGB mapping camera
- **Additional payloads:** spotlight and loudspeaker module; CSM radar for obstacle detection
- **Communication modules:** 4G connectivity module for the UAS and remote controller
- **Accessories:** flight batteries, RC batteries, smart charger, memory cards, transport case, spare propellers and supporting operational equipment
- **Software:** photogrammetry and 3D modelling software for LiDAR data.

Warranty requirements include a minimum 24-month warranty on the UAS and auxiliary equipment, a minimum 12-month warranty on smart batteries, and a manufacturer-supported damage-protection programme. The supplier must ensure documentation in Slovene and English, commissioning of the system, initial user training and long-term availability of spare parts.



Figure 1: The purchased UAV and auxiliary equipment with sticker



Figure 2: UAV in suitcase with equipment

### 2.1.5. Procurement of solar generator system

The procurement of a portable battery-powered generator with solar charging capability (solar generator system) was carried out within Activity 1.3 of the FRED project. The purpose of the acquisition is to ensure autonomous, sustainable and silent energy supply during field operations, particularly in remote areas affected by wildfires where conventional grid access is unavailable.

The system supports charging of UAS batteries, powering communication equipment, lighting, IT devices, and other operational tools essential for prolonged interventions. Unlike fuel generators, the solar-powered system enables zero-emission and low-noise operation, improving environmental compliance during interventions in protected natural areas.

Through this procurement, FRSS enhances its operational independence, reduces logistical constraints during wildfire operations, and ensures continuity of critical equipment functionality in alignment with the objectives of the Fire free MED – FRED project.

The procurement was implemented as a formal public procedure in accordance with internal procurement rules. The contract includes supply and delivery of one battery-powered generator (portable energy storage unit), supply of compatible solar panels for field recharging, required cabling, accessories and mobility components (wheels, handle), on-site demonstration and commissioning, and user training on basic operation.

Specification of the purchased workstation equipment:

- 3600 Wh battery capacity with 230 V / 50 Hz output stability <5%
- adapter for fast charging on charging station
- alternator charger 800W
- solar panel output 400 W.

The market price inquiry was conducted on 18 June 2024, and two offers were received within the set deadline. The offer that complied with all technical requirements and represented the most economically advantageous solution was selected. The equipment was purchased at “ELKOTEX d.o.o.” from Ljubljana, Slovenija. The value of the invoice was € 3.184,58 with VAT included (€ 2.610,31 excluding VAT).

The order was placed on 5 September 2024, the payment was completed on 4 October 2024, and the item was delivered on 6 September 2024.

The procurement was conducted transparently and efficiently, in line with national regulations and Interreg Euro-MED programme rules and within the available budget.

The procurement is financed within the INTERREG EURO-MED – FRED project.

All equipment is marked with the project label, the EU emblem and a statement of EU co-funding.



Figure 3: Battery ECOFLOW



Figure 4: Solar panel for ECOFLOW

## 2.1.6. Procurement of dispatcher workstation

The procurement of a dispatcher workstation for the FRSS was carried out within Activity 1.3 of the FRED project to modernise critical communication infrastructure and enhance operational coordination during wildfire prevention and response.

The dispatcher system enables management of radio communication in the national ZARE network and ensures compatibility with the emerging DMR DRO system. The workstation supports operational command functions, communication with field units, recording and storage of radio traffic, and integration with digital tools used within the FRED project, including UAS operations.

With this procurement, FRSS significantly strengthens its operational readiness, improves communication reliability during wildfire and civil protection interventions, and ensures compliance with modern radio standards.

The procurement was conducted as an official public procedure in accordance with national rules. The contract includes, delivery and installation of a complete dispatcher workstation, four base radio stations compatible with ZARE and DMR DRO networks, 19" TK cabinet with dust protection, a central server for system management and audio recording, supporting remote software updates, and operator licence for the dispatcher workstation.

The price inquiry was carried out on 12 August 2024, with three suppliers submitting offers. The economically most advantageous offer meeting all technical requirements was selected. The chosen supplier was KOMPAS TELEKOMUNIKACIJE d.o.o., Ljubljana, Slovenia. The total contract value amounted to €24,595.20 with VAT included (€ 20.160,00 excluding VAT).

The order was placed on 21 August 2024, the payment was completed on 24 December 2024, and the item was delivered on 25 November 2024.

The procurement was conducted transparently and efficiently, in line with national regulations and Interreg Euro-MED programme rules and within the available budget.

Equipment was financed within the Interreg Euro-MED – FRED project and was labelled with the project sticker, EU emblem, and co-funding statement.

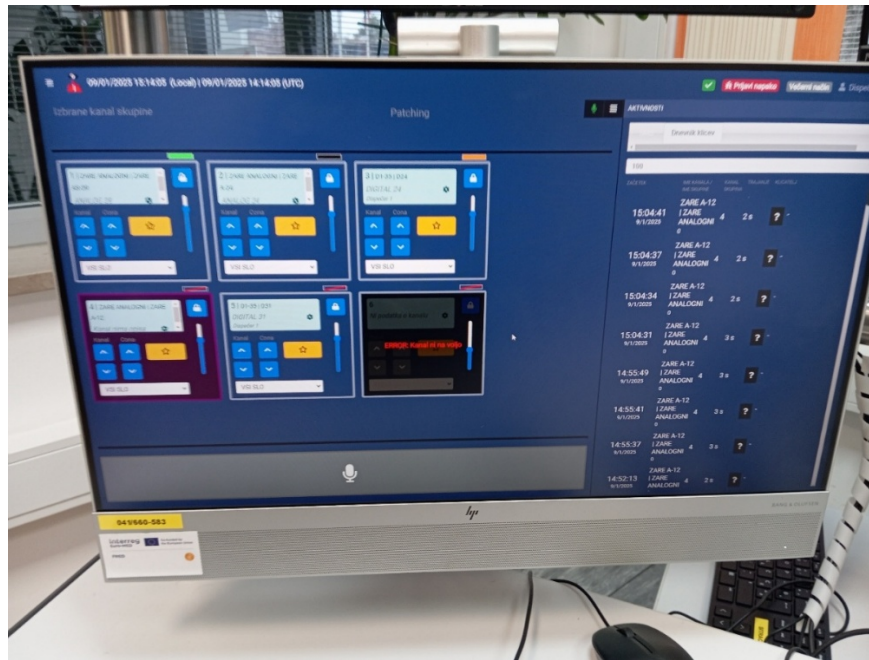


Figure 5: Dispatcher workstation



Figure 6: TK cabinet

## 2.2. Pilot partner: Rocca di Cerere UNESCO Global Geopark, Italy

### 2.2.1. Purpose of the procurement (procurement of UAV)

This contract concerns the procurement of unmanned aircraft vehicles (UAV) (activity 1.3) for the prevention service of the Municipality of Enna. These supplies are part of the project Fire free MED - FRED within WP1 – Defining and implementing tools for wildfire prevention and mitigation.

To tackle climate change's profound effects on the Mediterranean—especially heightened wildfire risks from droughts, heatwaves, and human factors like tourism—each partner is executing activities aligned with the project's goal of preventing and mitigating wildfire damage. Rocca di Cerere Geopark has therefore launched this procurement to acquire two unmanned aircraft vehicles (UAVs).

The UAVs will be used for real-time aerial views and thermal imaging to detect hotspots and monitor fire propagation. They will be used in early detection, tracking fire perimeter, and assessing post-fire damage. They also prove valuable in disaster response through structural damage inspections. Moreover, they support training by capturing operations for later review and refinement. Their continuous monitoring capability boosts situational awareness, sharpens decision-making, and promotes safer, more effective emergency responses.

### 2.2.2. Contract details

The subject of the contract is the supply and delivery of the following goods:

- Unmanned aircraft vehicle (UAV): pieces 2

The contractor was required to deliver the supplies to the headquarters of the Rocca di Cerere Geopark:

- Rocca di Cerere Geopark, via Vulturo 34, 94100, Enna, Italy

### 2.2.3. UAV procurement procedures

The first procurement procedure on MePa was successful.

The procedure for purchasing the drones was carried out through direct award on the MePa platform, the official purchasing channel for public administrations.

The best seller was selected and the purchase was made.

The purchase procedure code is: 1072098 with immediate execution order no.: 8478387.

The budget for the procurement of UAVs was 15,000.00 EUR (with VAT). The expenditure incurred was 14,999.90 EUR with VAT (12.295,00 EUR without VAT).

The purchase was made on 1 April 2025. The payment was completed on 18 June 2025.

All the purchased equipment was marked with the necessary stickers/labels with the name of the project, with the EU flag and with the statement that the project is co-funded by the European Union.

#### 2.2.4. Technical specifications of the selected UAV:

- UAS 1 (Unmanned aircraft system): DJI Mavic 3 MULTISPECTRAL;
- UAS 2 (Unmanned aircraft system): DJI Mavic 3 THERMAL;
- DRK2 and tripod;
- 2 battery kit;
- 3 years liability insurance for the drones (according to regulations in Italy to cover potential damages to third parties).



Figures 7: The purchased UAVs



Figures 8: The purchased UAV



Figures 9: The purchased UAV

## 2.3. Pilot partner: The National Park Una, Bosnia and Herzegovina

### 2.3.1. Purpose of the procurement (procurement of UAV and auxiliary equipment)

This contract concerns the procurement of an unmanned aerial vehicle (UAV) and auxiliary equipment (activity 1.3) for PC “Una” National Park LLC, Bihać. This procurement is part of the Fire free MED - FRED project within WPI - Defining and implementing tools for wildfire prevention and mitigation.

Given the growing challenges caused by climate change, particularly the increasing frequency and intensity of fires in the area, Una National Park is undertaking concrete measures to improve prevention and emergency response. With wildfires being a constant threat during the summer months and most of the park covered by forest, the UAV will be a key tool for faster action in hard-to-reach areas.

Use of the UAV in Una National Park:

### *1. Fire prevention and early warning:*

The UAV will be used for preventive monitoring and early warning in remote and inaccessible areas of Una National Park with a high fire-risk index. By using the UAV, we will be able to quickly identify potential fire sources and monitor fire development. Based on UAV data, we will determine whether there is a need to involve the fire department or other responsible institutions. Its capability to provide real-time footage, even in areas with limited ground access, will enable faster and more efficient response.

### *2. Aerial surveillance of floods caused by climate change:*

Considering the increasingly frequent floods resulting from climate change, the UAV will also play a key role in monitoring flooding within Una National Park. Due to more intense and frequent rainfall, rivers such as the Una, Unac, and Ostrovica, as well as other watercourses, may experience sudden changes in water levels, leading to floods that threaten ecosystems, infrastructure, and visitor safety. Aerial surveillance will support flood monitoring, help track the spread of affected areas, and enable timely coordination of response teams on the ground.

### *3. Support for evacuation and damage assessment:*

In situations requiring evacuation of visitors or local residents, the UAV will assist by providing real-time aerial views. After natural disasters such as floods or wildfires, the UAV will support rapid assessment of damage, mapping of affected zones, and coordination of rescue teams.

### *4. Improved situational awareness and decision-making:*

Continuous UAV monitoring will significantly enhance situational awareness during emergencies, enabling decision-makers to act based on accurate and up-to-date information. With thermal imaging capabilities, the UAV can quickly detect hotspots and track fire spread, improving the safety of response teams on the ground.

### *5. Training and operational improvement:*

The UAV will also be used for recording training sessions and simulation exercises. This will support the analysis of operations, improvement of tactics and strategies, and training of park staff and other emergency response units.

Thanks to its versatility, the UAV will enhance overall efficiency and safety in Una National Park as part of a broader strategy to address the impacts of climate change and improve prevention and response to natural disasters.

### 2.3.2. Contract details

The contract concerned the procurement, delivery, unloading, and installation by the contractor of the following goods:

- Unmanned aerial vehicle (UAV) and auxiliary equipment: 1 unit

The goods were delivered and installed at JP Una National Park LLC Bihać, Gazi Husref Begova bb, 77 000 Bihać, Bosnia and Herzegovina.

The delivery was completed under Delivery at Place (DAP) terms, with the implementation period running from 4 June 2025 to 3 July 2025.

The contractor fulfilled all obligations in accordance with the special conditions of the contract and the technical annex, and all tasks were successfully completed.

### 2.3.3. Tender procedures

JP National Park Una, within the project Fire free MED – FRED (Euro-MED0200675), financed under the INTERREG Euro-MED 2021–2027 Programme and co-financed by the European Union, implemented the tender procedure for the procurement of an unmanned aircraft system (UAS), auxiliary equipment, and a computer (reference FRED/supply/01). The procedure was carried out as a simplified procedure with one lot and a unit-price contract. For the purpose of ensuring a transparent and compliant process, a selection and procurement committee was appointed by JP National Park Una.

During the market research phase, on 7 April 2025, requests for quotations were sent to four companies, of which only one responded. Due to an insufficient number of offers, a new request for quotation was sent on 14 April 2025 to three companies, and two offers were received. Afterwards, the tender dossier was prepared and distributed, with the deadline for requesting clarifications set for 12 May 2025 and the deadline for issuing clarifications by the contracting authority set for 19 May 2025. The deadline for submission of

tenders was 26 May 2025 at 15:00 hrs, and the tender opening session was held on 27 May 2025 at 09:00 hrs.

Two administratively and technically compliant tenders were received. The evaluation was conducted in accordance with the criterion of the lowest price among technically compliant offers. The most economically advantageous and fully compliant tender was submitted by AVITECH BH d.o.o. Sarajevo, which was awarded the contract on 27 May 2025. The contract was signed on 2 June 2025, after which the complete required equipment was delivered and installed, in the total amount of 63,920.00 BAM excluding VAT, or 74,786.40 BAM including VAT. The invoice was fully paid on 30 June 2025.

All procured equipment was labelled in accordance with the visibility rules of the INTERREG Euro-MED Programme, including the project name, the EU flag and the statement on EU co-financing.

#### 2.3.4. Technical specifications of the awarded offer:

- UAS (Unmanned Aircraft System): DJI Matrice 350 RTK
- Thermal camera: DJI Zenmuse H30T
- Spotlight: GL60 Plus
- Loudspeaker: JZ H150S
- OVL PARACHUTE Flyfire
- DJI Matrice 350RTK B765 Intelligent battery station + 8 TB65 Intelligent flight battery
- PC:
  - CPU: Intel Core I5 – 12400F 2.5GHz
  - GPU: StormX Nvidia Geforce RTX 4060 8GB
  - RAM: Kingston 16GB 3200MHz DDR4
  - SSD: Adata Legend 710 512GB
  - Monitor: LG UltraGear 27GS 75Q
- Warranty of minimum 1 year
- Insurance: 1-year liability insurance for the drone (in accordance with regulations in Bosnia and Herzegovina, covering potential damages to third parties)



Figure 10: Purchased Equipment (PC and UAS)



Figure 11: Purchased UAS

## 2.4. Pilot partner: Municipality of Ulcinj, Montenegro

### 2.4.1. Purpose of the procurement (procurement of UAV and auxiliary equipment)

This contract concerns the procurement of unmanned aircraft vehicle (UAV) and auxiliary equipment (activity 1.3) for the Protection and rescue service of the Municipality of Ulcinj. These supplies are part of the project Fire free MED - FRED within WPI – Defining and implementing tools for wildfire prevention and mitigation.

To address the issue of climate change's significant impact on the Mediterranean, particularly the increased risk of wildfires due to droughts, heatwaves, and human activities like tourism, each partner is implementing activities that will contribute to the objective of the project - to prevent and mitigate wildfire impacts. The Municipality of Ulcinj, the founder of the Protection and rescue service, has conducted this procurement for the supply of an unmanned aircraft vehicle (UAV) and auxiliary equipment.

The UAV will be used for real-time aerial views and thermal imaging to detect hotspots, monitor fire propagation, and enhance firefighter safety during firefighting efforts. In search and rescue missions, it will help locate victims, with those who are injured, and deliver essential supplies. Furthermore, the UAV will be instrumental in communicating with individuals involved in illegal or hazardous activities that could ignite fires. UAV will be used in early detection, tracking fire perimeter, and assessing post-fire damage. It will be also valuable for disaster response by inspecting damaged structures, monitoring traffic flow, and aiding evacuations. Additionally, it will facilitate training by recording operations for review and improvement. With its ability to monitor situations continuously, it will enhance situational awareness, improve decision-making, and contribute to safer, more effective emergency responses.

#### 2.4.2. Contract details

The subject of the contract is the supply, delivery, unloading and installation by the contractor of the following goods:

- Unmanned aircraft vehicle (UAV) and auxiliary equipment: piece 1

The contractor was to deliver and install the supplies at one location within the Municipality of Ulcinj, Montenegro:

- Municipality of Ulcinj, Protection and Rescue Service of the Municipality of Ulcinj, Ul. Fiqiri Hasanaga b.b., 85360 Ulcinj, Montenegro

The supplies were to be delivered Delivery Duty Paid (DDP) to the Protection and Rescue Service, with a completion deadline of 60 days from the contract signature date.

#### 2.4.3. Tender procedures

We had to repeat the tender procedure because the first tender was unsuccessful.

##### 2.4.3.1. Procurement of UAV and auxiliary equipment, tender no. 1

A contracted expert performed extensive market research, prepared the tender dossier, and participated as an observer in the evaluation committee.

As per the tender procedure we used the simplified procedure. The tender dossier was sent to five preselected entities identified through market research. All invited entities were eligible to submit offers. The contract type was lump sum, and price was the sole award criterion. Tender no. 1 was launched on 27 December 2024, with a submission deadline of 26 January 2025 (23:59h).

Two offers were received. One offer was rejected due to technical non-compliance with tender requirements. The second offer, although technically compliant, exceeded the available budget. After consultation with the lead partner and the JS (Joint Secretariat), the tender was cancelled because “all technically acceptable tenders exceed the financial resources available”, and a new tender procedure was launched.

#### 2.4.3.2. Procurement UAV and auxiliary equipment, tender no. 1.2.

Tender 1.2. was launched on 20 February 2025, with a submission deadline of 24 March 2025 (23:59h).

The tender dossier has been sent to eight preselected entities. Two offers were received, both technically compliant. The contract was awarded to the lowest compliant tender, “Raster office d.o.o.” from Podgorica, Montenegro.

Tender was administratively and technically compliant, and within the available budget of the project.

The budget for the procurement of UAV and auxiliary equipment was 39,000.00 EUR (with VAT). The total maximum contract price was 35,630.07 EUR with VAT (29,446,34 EUR without VAT).

The contract with the awarded tenderer was signed on 29 May 2025. On signing the contract, the successful tenderer became the contractor and the contract entered into force.

The UAV and auxiliary equipment were delivered on 8 August 2025. Subsequent to delivery and installation, the contractor was to provide warranty of 12 months of the UAV and additional equipment.

The payment has been completed on 24 October 2025.

All the purchased equipment was marked with the necessary stickers/labels with the name of the project, with the EU flag and with the statement that the project is co-funded by the European Union.

#### 2.4.4. Technical specifications of the awarded offer:

- UAS (Unmanned aircraft system): DJI Matrice 350 RTK;
- Four sets of batteries (eight batteries in total), and a case for charging, transporting and storing the batteries;
- Thermal camera: DJI Zenmuse H20T;
- Spotlight: CZI GL60 Plus;
- Loudspeaker: RT-H150S;
- 1 year liability insurance for the drone (according to regulations in Montenegro to cover potential damages to third parties).



Figure 12: The purchased UAV and auxiliary equipment



Figure 13: The purchased UAV with the sticker

#### 2.4.5. Procurement of workstation equipment

This equipment is necessary in order to use the FRED platform developed within the project, which supports the UAS during various firefighting and rescue operations. A single tender procedure was used.

Specifications of the purchased workstation equipment:

- PC processor: AMD Ryzen 5 7600;
- RAM: 2 x Kingston DIMM DDR5 16GB 5600MT/s (32GB in total);
- Graphics: ASUS DUAL RTX 5060 8GB OC graphic card (8GB GDDR7);
- Storage: Kingston SNV3S/1000G 1TB M.2 NVMe SSD disk;
- Monitor: LG 27UP650KW.AEU, 27" IPS, 3840x2160 (4K UHD), 60Hz, 5ms;
- Printer: Epson EcoTank L6276 inkjet (+ 1 set of spare ink bottles);
- Keyboard, mouse, mouse pad, speakers;
- Desk;

- Chair.

The hardware equipment was purchased at “Multicom Retail d.o.o.” from Podgorica, Montenegro. The value of the invoice was 1,820.10 EUR with VAT.

USB wireless adapter and speaker were purchased at “d.o.o. Loud shop”. The value of the invoice was 64.00 EUR with VAT.

Desk and chair were purchased from “Mobilars” d.o.o. Company. The value of the invoice was 378.00 EUR with VAT.

All purchased equipment bears stickers displaying the project name, the EU flag, and a statement that the project is co-funded by the European Union.

The procurement budget for workstation equipment was 2,300.00 EUR. The total value of the contracts was 2,198.10 EUR.



Figure 14: Workstation equipment and furniture



Figure 15: Workstation door sticker/plaque

## **2.5. Pilot partner: Public fire brigade of the Town of Mali Lošinj, Croatia**

### 2.5.1. Purpose of the procurement (procurement of UAV and auxiliary equipment)

This contract concerns the procurement of unmanned aircraft vehicle (UAV) and auxiliary equipment (activity 1.3) for the Protection and rescue service of the Public fire brigade of the Town of Mali Lošinj. These supplies are part of the project Fire free MED - FRED within WPI – Defining and implementing tools for wildfire prevention and mitigation.

Each partner implements measures to combat climate change's severe effects across the Mediterranean, notably the growing wildfire threats from droughts, heatwaves, and tourism-related activities, thereby supporting the project's aim of preventing and reducing fire impacts. The Public fire brigade of the Town of Mali Lošinj, the founder of the Protection and rescue service, has conducted this procurement for the supply of an unmanned aircraft vehicle (UAV) and auxiliary equipment.

The UAV provides real-time aerial imagery and thermal scans to identify hotspots, track fire spread, and protect firefighters during operations. For search and rescue, it locates missing persons—including the injured—and delivers critical supplies.

It also communicates with people engaged in risky or illegal activities that might spark fires. The UAV supports early fire detection, perimeter monitoring, and post-fire damage evaluation. Beyond this, it aids disaster response through structural inspections, traffic management, and evacuation support, while enabling training via operation recordings for analysis. Continuous monitoring improves situational awareness, refines decisions, and ensures safer, more efficient emergency actions.

### 2.5.2. Contract details

The subject of the contract is the supply, delivery, unloading and installation by the contractor of the following goods:

- Unmanned aircraft vehicle (UAV) and auxiliary equipment: piece 1

The contractor was to deliver and install the supplies at one location within the public fire brigade of the Town of Mali Lošinj:

- The public fire brigade of the Town of Mali Lošinj, Lošinjskih brodograditelja 37, 51550 Mali Lošinj, Croatia.

### 2.5.3. Tender procedures

We had to change the tender requirements because we found better model of UAV (DJI Matrice 400).

A contracted expert performed extensive market research, prepared the tender dossier, and participated as an observer in the evaluation committee.

Tender was launched on 5 September 2025.

We received one offer. The contract was awarded to “Aviteh audio video tehnologije d.o.o.”. The total maximum contract price was 29.872,50 (VAT included), or 23.898,00 (VAT excluded). The budget for this procurement was 38.704,00€ (with VAT). The payment was completed on 5 September 2025, and the drone was delivered on 16 September 2025.

### 2.5.4. Technical specifications of the awarded offer:

- UAS (Unmanned aircraft system): DJI Matrice 400 RTK;
- Thermal camera: DJI Zenmuse H30T;
- Spotlight: DJI Zenmuse S1;
- Loudspeaker: DJI Zenmuse V1;
- Dual Gimbal Connector
- Battery station: DJI BS100 (intelligent battery station)
- 1 year liability insurance for the drone.



Figure 16: Dual gimbal connector



Figure 17: DJI Zenmuse S1



Figure 18: DJI Enterprise BS100 Intelligent battery station



Figure 19: The purchased UAV



Figure 20: DJI Zenmuse V1



Figure 21: DJI Zenmuse H30T



Figure 22: DJI Zenmuse V1 and S1



Figure 23: Testing the UAV

### 2.5.5. Procurement of workstation equipment

This equipment is necessary in order to use the FRED platform developed within the project, which supports the UAS during various firefighting and rescue operations. A single tender procedure was used.

Specifications of the purchased workstation equipment:

- PC processor: Corei7 12700 up to 4.9GHz;
- RAM: 16GB;
- Graphics: Intel UHD Graphics 730;
- Storage: 500GB NVMe SSD;
- Monitor: LG 31,5" 32GN650-B, AMD FreeSync Premium 165Hz;
- Keyboard, mouse, mouse pad.

The hardware equipment was purchased at “Instar informatika” from Rijeka, Croatia. The value of the invoice was 1,216.05 EUR with VAT.

All purchased equipment bears stickers displaying the project name, the EU flag, and a statement that the project is co-funded by the European Union.



Figure 24: Equipment with stickers



Figure 25: Equipment with stickers

## 2.6. Pilot partner: CIMBAL – Intermunicipal Community of Baixo Alentejo, Portugal

2.6.1. Purpose of the procurement (procurement of UAV and auxiliary equipment)

This contract concerns the procurement of an unmanned aerial vehicle (UAV) and auxiliary equipment (activity 1.3) for CIMBAL – Intermunicipal Community of Baixo Alentejo. The equipment is part of the Fire free MED – FRED project under WP1 – Defining and implementing tools for wildfire prevention and mitigation.

Partners across the Mediterranean are deploying targeted actions against climate change pressures—such as intensified droughts, heatwaves, and tourism pressures—that heighten wildfire risks, directly advancing the project's mission to curb and lessen fire consequences. CIMBAL carried out this procurement for the supply of a UAV and auxiliary equipment.

Deploying real-time overhead visuals and heat-sensing technology, the UAV pinpoints hotspots, follows fire expansion, and safeguards firefighting crews on the ground. In rescue scenarios, it spots those in need and air-drops supplies. Beyond that, it engages potentially risky actors whose actions might spark blazes, whilst enabling initial alerts, boundary surveillance, damage audits after fires, structural evaluations, road monitoring, and evacuation coordination during crises. By logging missions for debriefs, it refines training protocols, and persistent oversight elevates real-time insights, sharpens choices, and drives more secure, efficient crisis handling.

### 2.6.2. Contract details

The contract includes the supply, delivery, unloading and installation by the contractor of the following goods:

- Unmanned aerial vehicle (UAV) and auxiliary equipment: 1 unit
- Delivery: *CIMBAL headquarters - Praceta da Rainha Dom Leonor n° 1, 7800-431 Beja, Portugal*
- Installation: *Almodôvar Volunteer Fire Brigade - Rua da Ponte Romana Apt: 18 7700-040 Almodôvar, Portugal.*

### 2.6.3. Tender procedures

Tender was launched on 13 January 2025, with a submission deadline of 28 January 2025 (23:59h).

The dossier was sent to three preselected entities. One offer was received, technically compliant and the contract was awarded.

The tender was administratively and technically compliant, and within the project budget.

Procurement budget for UAV and auxiliary equipment: €39,000.00 including VAT (€31,707.31 excluding VAT).

Maximum contract price: €36,689.17 including VAT (€29,828.59 excluding VAT).

The contract was signed on 13 February of 2025, entering into force immediately. Delivery of the UAV and auxiliary equipment took place on March 2025. The contractor provides a 24-month warranty for the UAV and additional equipment. On 22 April of 2025, CIMBAL presented and formalized the equipment use by Almodôvar Volunteer Fire Brigade.

All equipment is labelled with project stickers, the EU flag, and a note that the project is co-funded by the European Union.

### 2.6.4. Technical specifications of the awarded offer:

- UAS (Unmanned Aircraft System): DJI Matrice 350 RTK;
- Thermal camera: DJI Zenmuse H30T;
- Battery station;
- Two-year UAV liability insurance (in accordance with local regulations).



Figure 26: Presentation of the purchased UAV



Figure 27: The purchased UAV



Figure 28: The purchased UAV

### 3. Conclusions

This procurement report details the thorough procurement activities under Activity 1.3 of the FRED project within the Interreg Euro-MED programme. The acquired advanced UAS and auxiliary equipment, alongside necessary technologies such as PCs, monitors etc., have been procured following stringent compliance with EU and national procurement standards, as well as Interreg Euro-MED programme requirements.

The procurement process has been transparent, efficient, and economically sound, ensuring that the equipment delivered meets the technical specifications needed to support the project's overall objective: enhancing wildfire prevention, risk mitigation, and resilience in six Mediterranean countries. These acquisitions represent a critical step in enabling the deployment of innovative technical solutions aimed at reducing wildfire risks, protecting human lives, and preserving vulnerable ecosystems and biodiversity.

Challenges encountered during procurement were effectively addressed, and the reporting here affirms full adherence to prescribed rules and principles, thus safeguarding the integrity of the project's financial management. The timely and successful procurement of these assets significantly contributes to the FRED project's capacity to deliver its outputs and achieve its goals within the planned timeframe.

Overall, this procurement report demonstrates a strong commitment to best practices in procurement and supports the sustainable implementation of cutting-edge wildfire mitigation technologies across the EU wildfire hotspot in the Mediterranean region.