



### Crowdsensing Mobile App

Join the FireAware experiment and send us your fire notifications!



# Interreg Greece-Italy

European Regional Development Fund



EUROPEAN UNION



**OFIDIA 2 (Operational Fire Danger prevention plAtform 2)**  
is a project co-funded by the European Union, European Regional Development Funds (E.R.D.F.)  
and by National Funds of Greece and Italy

[www.interregofidia.eu](http://www.interregofidia.eu)

**Operational Fire Danger prevention plAtform 2**  
Priority Axis 2: Integrated Environmental Management  
Fire danger prevention infrastructure for wildfire detection  
and fighting in Puglia and Epirus

**OFIDIA2** is a fire danger prevention platform for near real-time fire danger forecasting and monitoring. The project provides sensor data and weather forecasts in Puglia and Epirus to support operational fire-fighting decisions, including a fire-behavior projection model and a dedicated control room for the management of wildfires.



**OFIDIA2** è una piattaforma per la prevenzione e il monitoraggio in near real time degli incendi boschivi. OFIDIA2 supporta decisioni operative di lotta contro gli incendi tramite i dati dei sensori, previsioni meteo per Puglia e Epiro, modelli previsionali sul comportamento degli incendi e una sala di controllo dedicata alla gestione degli incendi.

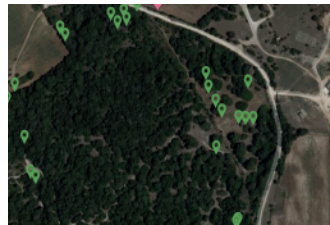
## Achievements

### Big Data Infrastructure

**Decision Support System** for wildfire monitoring and prevention  
 Weather parameters, **fire behavior** and **fire danger** indices  
**High Performance Computing** and **data management** facilities  
 High resolution **weather modelling** and fire danger **forecasting**

### Forest Fires Monitoring & Patrolling

**Weather stations** and **wireless sensors** networks  
**HD video cameras**, **drones** and **off-road vehicles**



### Wildfire Control Room

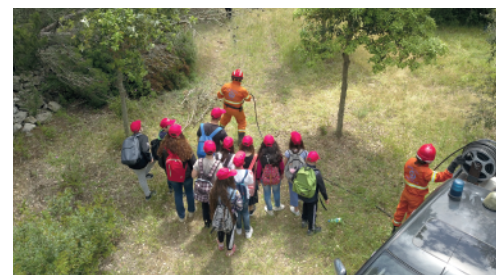
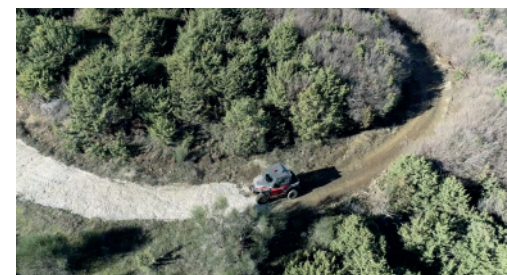
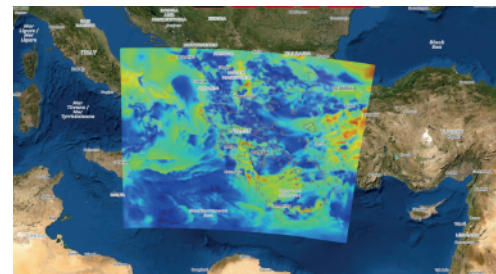
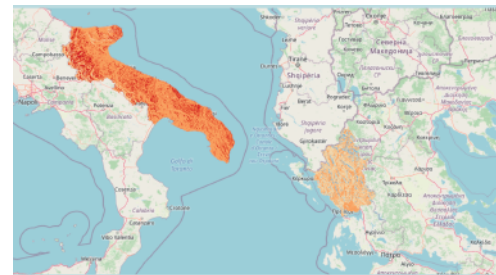
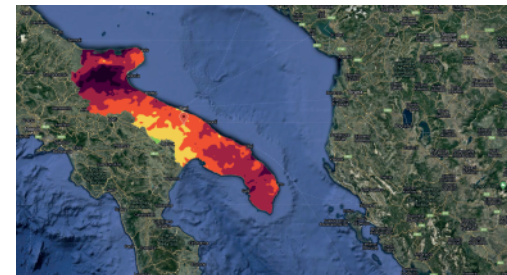
at Puglia Civil Protection for fire hazard forecasting and monitoring.

### FireAware

crowdsensing mobile **App** to send an alert notification to the Civil Protection in case of a potential fire hazard, including images and the distance from fire

### Cross-border Education

and Lifelong Learning through awareness-raising campaigns on fire danger prevention and biodiversity protection.



## Risultati

### Infrastruttura di Big Data

**Sistema di Supporto alle Decisioni** per la prevenzione e il monitoraggio incendi  
 Parametri meteo, indici di **fire danger** e **fire behavior**  
**High Performance Computing** e strutture di **gestione dati**  
**Modelli meteo** ad alta risoluzione e **previsione del rischio di incendi**

### Monitoraggio incendi boschivi & Pattugliamento

Rete di **stazioni meteo** e **sensori wireless**  
**Videocamere HD**, **droni** e **veicoli fuoristrada**



### Centro di Controllo Incendi boschivi

presso la Protezione Civile Puglia per la prevenzionee il monitoraggio in tempo reale del rischio incendi.

### FireAware App

mobile di sensibilizzazione per segnalare alla Protezione Civile un potenziale rischio d'incendio, con immagini del sito e la distanza dal fuoco

### Formazione e apprendimento continuo

attraverso campagne di sensibilizzazione sulla prevenzione degli incendi e sulla tutela della biodiversità.