
OFIDIA2 Project: Operational Fire Danger prevention pLAtform 2

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*Programme Greece Italy 2014/2020
Capitalization workshop 19/10/2022*

Project main facts

European project funded by the Cooperation Programme Interreg V-A Greece-Italy 2014-2020.

The project is co-funded by the EU, European Regional Development Funds (E.R.D.F.) and by National Funds of Greece and Italy

Start Date: 30/03/2018

End Date: 29/03/2020 extended until May 2021

Total Budget: Euro 1.854.000

Priority Axis 2: Integrated Environmental Management

Thematic Objective 6: preserving and protecting the environment and promoting resource efficiency

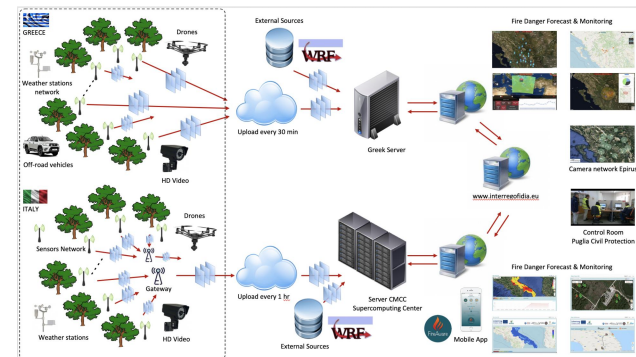
Specific Objective 2.2: Improvement of joint management and governance plans for biodiversity of coastal and rural ecosystems, paying attention to the natural resources and protected areas, and development of environmental protection measures

Beneficiary Partners:

- CMCC Foundation (Project Coordinator)
- Apulia Region – Civil Protection Section
- University of Ioannina
- Decentralized Administration of Epirus-Western Macedonia, Forest Directorate (DAEWM)

Associated Partners:

- Municipality of Lecce
- ARIF (Regional Agency for Irrigation and Forest Activities)



Relevance of the output

Big Data Infrastructure

- Decision Support System for wildfire monitoring and prevention
- Weather parameters, fire behavior and fire danger indices
- High resolution weather modelling and fire danger forecasting

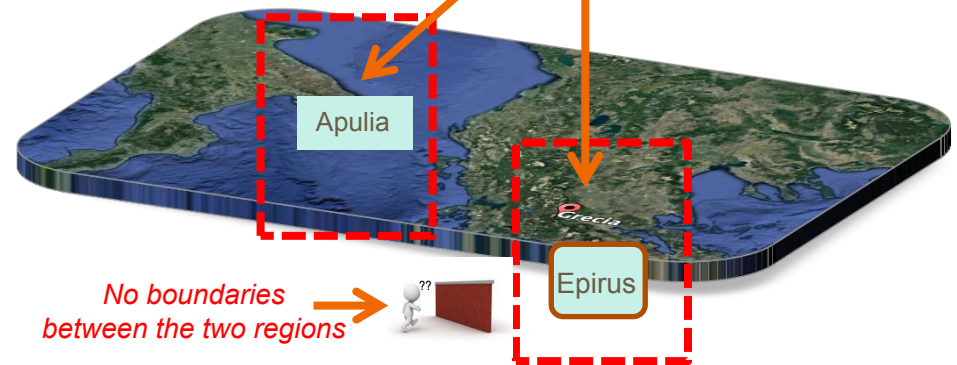
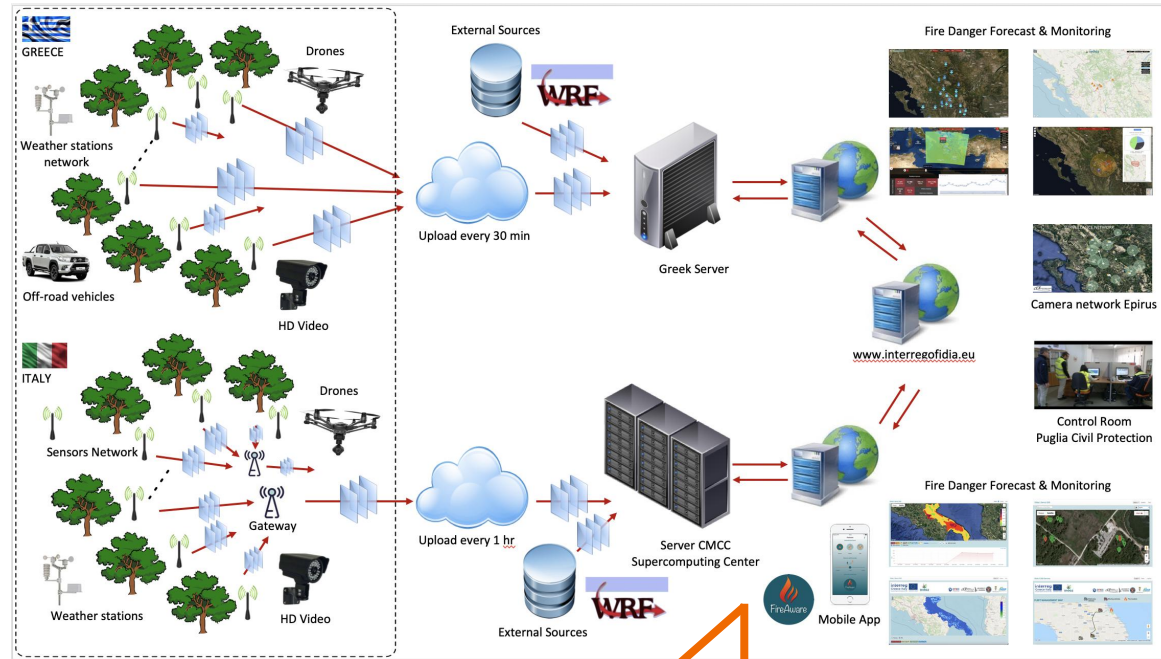
Forest Fires Monitoring & Patrolling

- 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 → **DSS tested and validated from 2021**

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



120 sensors present on the territory

1656 days since the start of the project

942478 m² monitored

1324448 total measurements

DSS is available at <http://www.interregofidia.eu>

Validation & Testing

Puglia Civil Protection

Wildfire Control Room for fire hazard forecasting and monitoring

Decentralized Administration of Epirus-Western Macedonia, Forest Directorate (DAEWM)

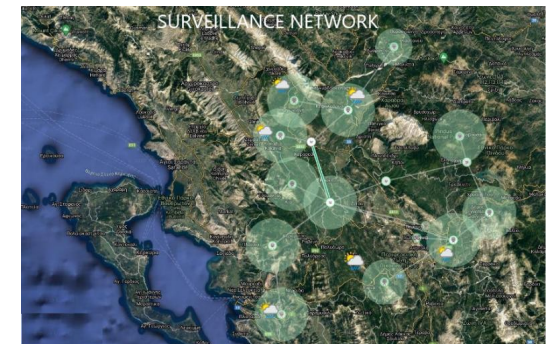
Patrolling and monitoring



Off-road Vehicles

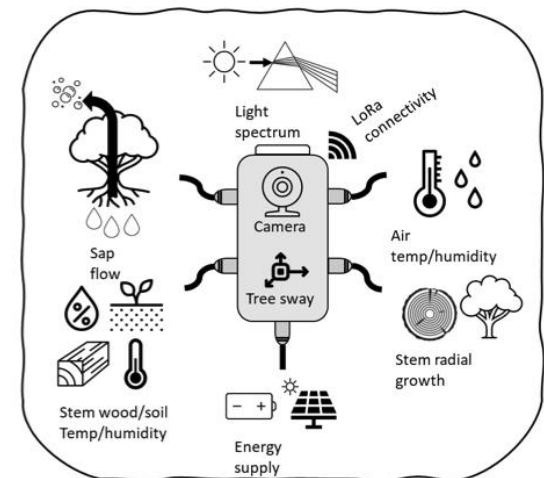
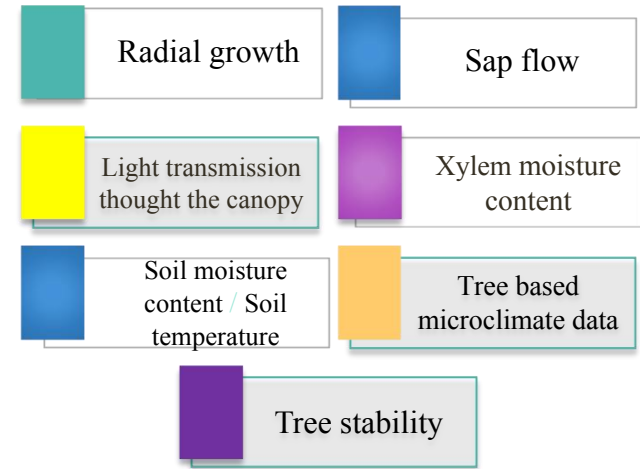
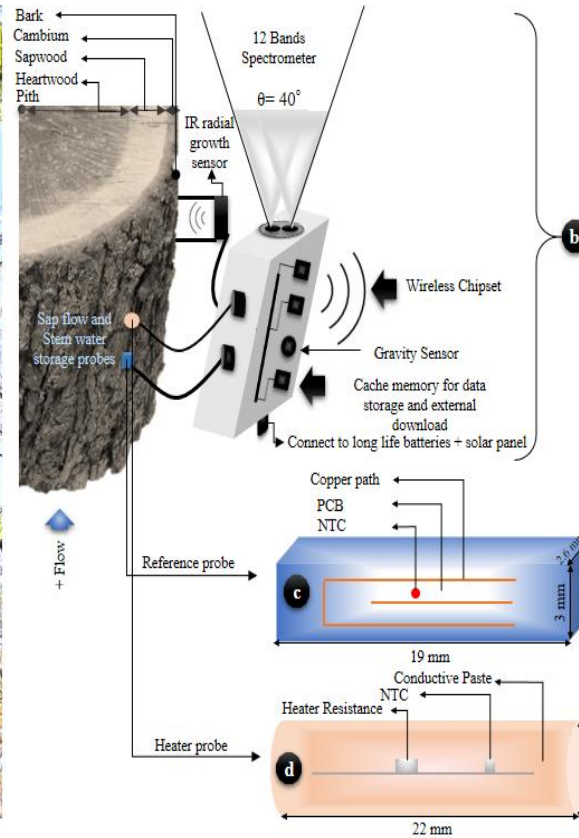


HD video cameras



Added-value

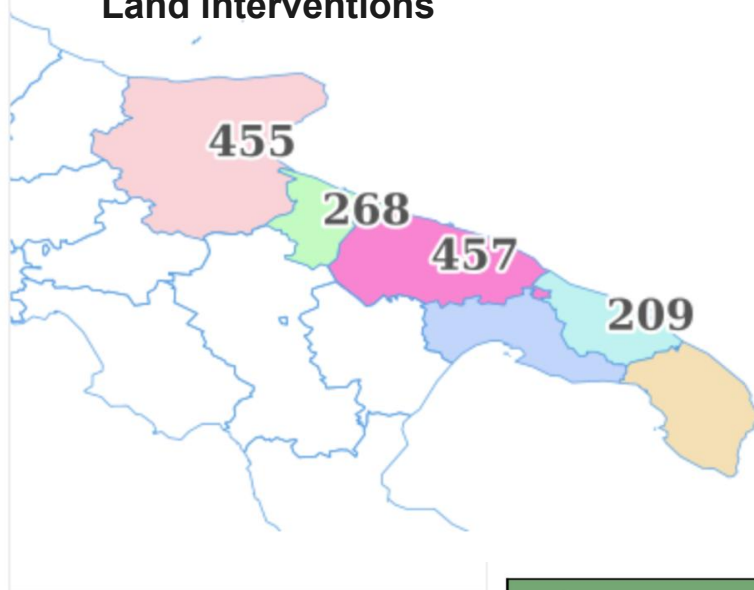
No similar integrated solution is present since the TreeTalker Fire have been customized for the project.



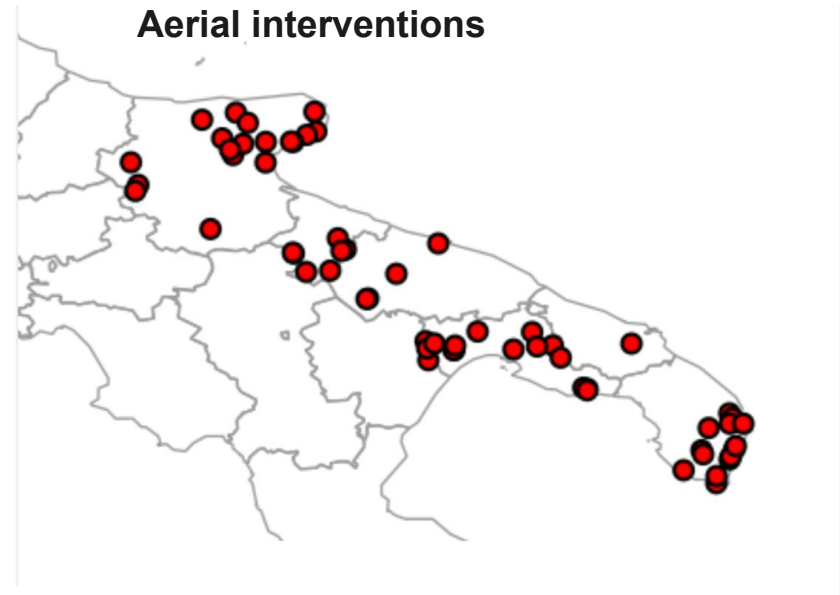
Added-value

Interventions on fires from 15/06/2022 to 15/09/2022 divided by province

Land interventions



Aerial interventions



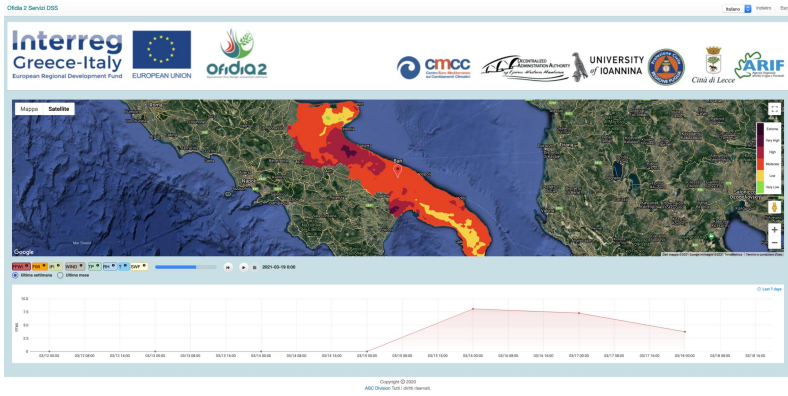
PROVINCIA	2022	2021
Bari	457	944
Brindisi	209	424
BAT	268	310
Foggia	455	770
Lecce	2165	2364
Taranto	444	754
Totale	3998	5566

Ready to use

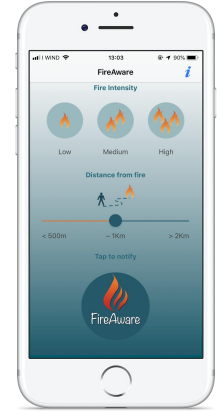
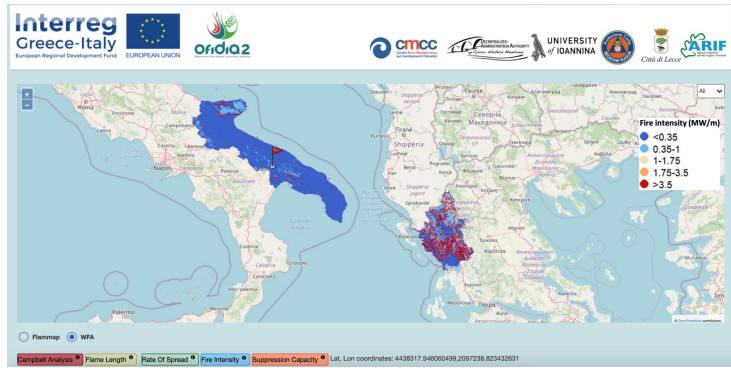


Decision Support System for wildfire monitoring and prevention & App Mobile

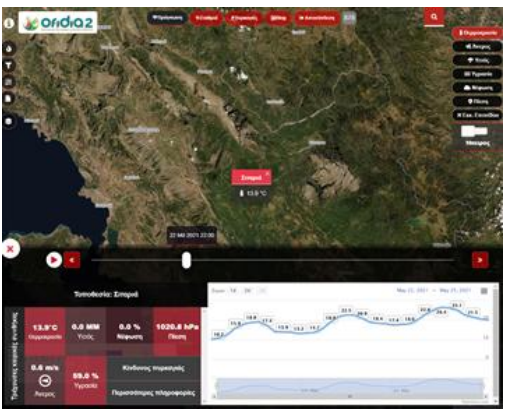
Fire danger indices & risk maps



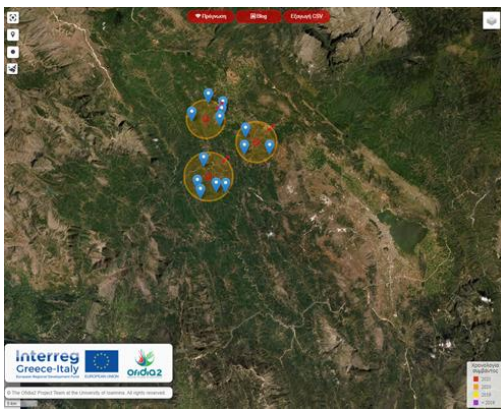
Fire-behavior



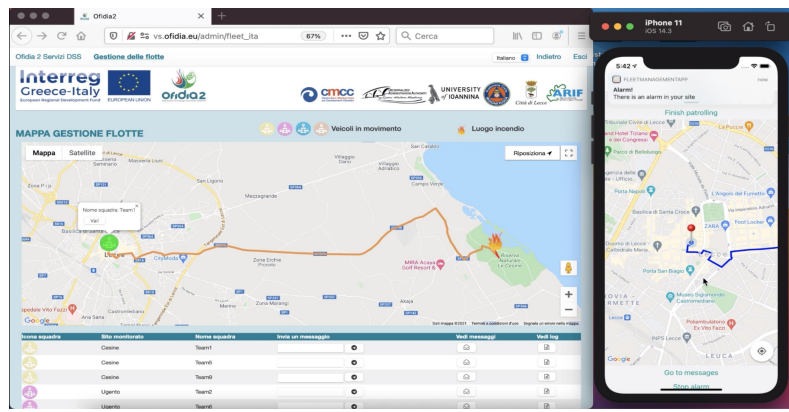
Forecast with a Click



Fire Incidents

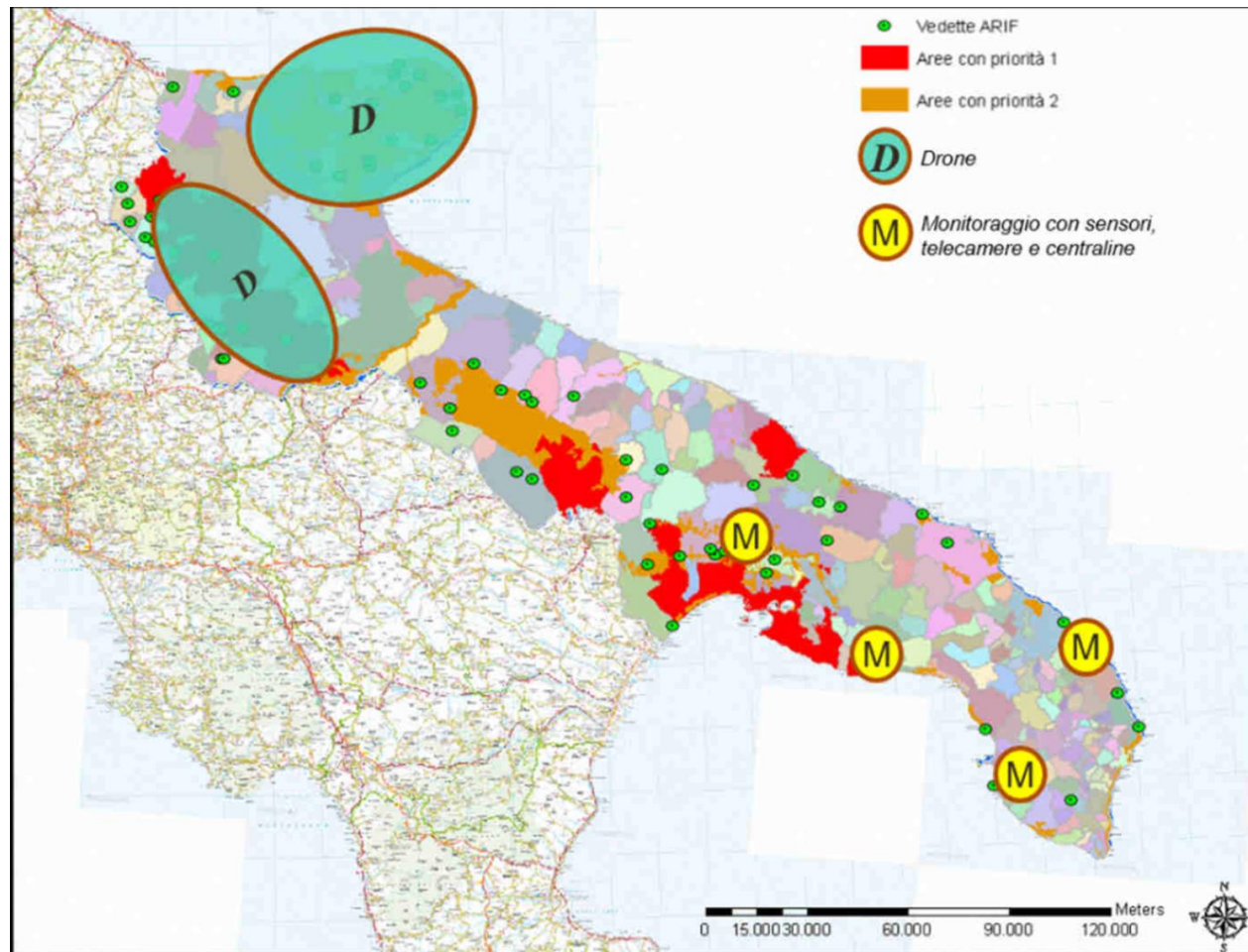


Fleet-management



Potential to transfer

Smooth extension of current coverage to new wooded areas



... and easy transferability to other application contexts

Potential to transfer



Dissemination of the OFIDIA2 project in Ohrid Macedonia



4th International Symposium for Agriculture and Food
12-14 October 2022, Ohrid – North Macedonia

OFIDIA2 made a clean sweep at the Interreg Project Slam 2021 Grand Final



The video story about OFIDIA2 secured over 1,300 likes in the one-week campaign on Facebook

Video: <https://www.youtube.com/watch?v=ZeY-I9wbs0A&t=21s>



Good and sound cooperation always pays off!