



Interreg - IPA CBC



Greece - Republic of North Macedonia

eFIDAR

Early Fire Detection and Ranging for disaster prevention and management eFIDAR

Duration: 24 months

The project is co-financed by the
European Union and the National
Funds of the participating
countries



EUROPEAN UNION

Lead Partner: Region of Central
Macedonia, Greece

Project Partners:
Crisis Management Center, Republic of
North Macedonia; Centre for
development of the South-East planning
region, Republic of North Macedonia

Total budget of the project:
1,392,073.50 EUR
Total Budget for the CDSEPR:
267,939.50 EUR

Specific Objective:

Prevention, mitigation and
management of natural disasters,
risks and hazards

The overall aim of the project is the efficient detection and management of wildland fires in the cross-border area through the appropriate ICT tools and toolkits aiming at the increase of preparedness as well as knowledge transfer among the two countries. The development and implementation of ICT systems for the efficient early detection of wildfires, with increased accuracy, limited detection delay, low rates of false alarms and capability for 24/7 operation will demonstrate the potential of an innovative technology for early warning and wildfire disaster risk reduction. The system will contribute to the mitigation and management of the post-fire effects resulting from fire spread of fires, through the provision of accurate information on dispersion of forest fire smoke. Maps with values-at-risk of the natural and artificial environment will be developed based on a common methodology for the identification of areas where ICT systems for early detection could be deployed. In order to increase and disseminate common culture of risk-resilience the project will enable the development of a cross-border network, sharing scientific knowledge and best practices for the effective prevention and management of wildfires.

Main Activities of the Project:

1. Cross-border networks of Fire adapted communities;
2. Implementation of wildland urban interface (WUI) toolkit;
3. Preparation of guidelines for wildfire risk assessment in the cross-border area;
4. Procurement of 2 efficient firefighting vehicles for forest fire protection;
5. Development of protocols for the common exploitation of the ICT system in cross-border area;
6. Trainings on fire early warning system;
7. Preparation of common-protocols for cross-border fire management;
8. Development of the cross-border action plan for risk mitigation;
9. A common scheme for the identification of values-at-risk and a common methodology for inventorying and mapping fire forests;
10. A common fuel lassification scheme for the cross-border area and guidelines for mapping and assessment of fire forests;

Results of the project:

- Procured efficient firefighting vehicles with firefighting equipment;
- Developed ICT system for early fire detection and warning system of forest fires;
- Prepared detailed, geospatial digital maps regarding the wildfire hazard and risk in the CB area;
- Provided dashboard for crucial information for CB population on fire risk safety;

The Project outputs in order to cross-border communities' resilience to the danger of forest fires through an improvement in the knowledge of actual.



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