



EURÓPSKA ÚNIA

Európsky fond regionálneho rozvoja  
OP Integrovaná infraštruktúra 2014 – 2020

## FDAAS – Fire Danger Assessment Automated System

**Recipient:** Ardaco, a.s., Polianky 5, Bratislava 841 01

**Partner:** Technická univerzita vo Zvolene, T. G. Masaryka 24, Zvolen 960 53

### **Main project objective:**

The main objective of the project is to ensure the practical application of high-level innovation achieved through the implementation of industrial research activities.

The project is focused on the production of a new system FDAAS – *Fire Danger Assessment Automated System*, which will increase the level of protection in the natural environment. The proposed service offers a detailed assessment of the risk of fire.

The project is implemented by 2 partners (Ardaco, a.s., Technical University in Zvolen). The research and development part of the project is realized in Trnava and Zvolen. The innovative part of the project is realized in Trnava.

### **Main objective of the "Industrial Research" activity:**

Research and design of a complex automated system for fire hazard assessment in the natural environment based on data on atmospheric and microclimatic conditions of the environment obtained through IoT sensor networks.

### **Main objective of the action "implementation of innovative measures":**

Ensuring the practical application of the high-level innovation achieved and its introduction into the applicant's production process.

**The result of the project** will be produced and subsequently put into production practice a new product (service) - FDAAS - automated system for fire risk assessment in natural environment with higher spatial resolution than existing systems, through research and design of innovative methods of creating and evaluating fuel model using the latest modelling methods and sensor network technologies.

The objectives and results of the project will be monitored through 10 measurable indicators.

**Amount of grant awarded:** 665 855,00 €

You can find information regarding Integrated infrastructure Operation program at:

[www.opii.gov.sk](http://www.opii.gov.sk)

[www.opvai.sk](http://www.opvai.sk)  
[www.eufondy.sk](http://www.eufondy.sk)