



EURÓPSKA ÚNIA
Európsky fond regionálneho rozvoja



OPERAČNÝ PROGRAM
VÝSKUM A INOVÁCIE

FDAAS – Fire Danger Assessment Automated System

demand-oriented project funded by the European Union
from the European Regional Development Fund and the state budget
project code in ITMS2014+: 313012Q879

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.

OP web site www.opvai.sk
CKO web site www.partnerskadohoda.gov.sk