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Project

# Development, test and integration of advanced systems for prevention and early detection of forest fires (Short version: Advanced systems for prev. & early detection of forest fires) (ASPIres)

**Goal:** To develop advanced concepts of systems for early detection of forest fires that integrates sensor networks and mobile (drone) technologies for data collection, acquisition and analyses, which will be capable to improve the percentage of detecting of forest fires in areas of particular importance, to monitor areas with high and changing fire weather index, hot spots and areas already affected by forest fires, and to predict the behavior of forest fires. The system shares information and exchanges data between authorities, and at all levels of a national Crisis Management System. It improves the coordination mechanisms between local, regional and national authorities, enhanced partnerships between different public authorities and relevant stakeholders such as academia, research institutions, and the private sector, in particular for forest fires prevention in participating beneficiaries states and eligible third countries.

**Methods:** Analysis and description of proper standards for communication, Creating communication protocols, Creating data-bases, Specification and experimental prototype development, Conduct comparative analysis, MOCK-UP development, Perform research and measurements, Research of existing interfaces for forest fires

**Date:** 18 January 2017 - 17 January 2019