

AERIAL FIRE RESPONSE & RESEARCH NETWORK

Helping to reduce the threat of uncontrolled fires in the United States



AFRRN Mission

- * Compare cities and counties' and countries approaches to aerial asset intervention in fire control
- * Create case studies of decision making processes under stress involving a close recounting of fire-fighting information received by and decisions made by Incident Commanders, firefighters, and particularly aerial (air attack commanders) and aircraft pilots. Use for education at all levels of fire departments, States' forestry services, and USFS
- * Examine technology adaptations to aerial fire-fighting, i.e. wildfire predictive behavior monitoring, night vision systems (NVS), synthetic vision, unmanned aerial systems ('UAS'), precise tracking technologies (GPS and WAAS), etc. Provide distributable insights and lessons to promote best practices among all fire agencies
- * Test the need for greater standardization, cooperation and proposals for central control of aerial assets to meet the needs of the nation in fire suppression. Provide distributable insights and lessons to promote best practices among fire agencies
- * Provide discussions regarding the needs and obstacles to, the structure and feasibility of, as well as the advisability of, an association of fire fighting aircraft owners and operators. Currently there is no industrywide association of firefighting aircraft owners and operators
- * Development of reasonable structure and models for collection of statistics and for statistical analysis of fire fighting strategies. Collect and analyze the data. Provide distributable insights and lessons to promote best practices among fire agencies
- * Given growth in recreation areas, the so-called wildland urban interface (WUI) communities' approach to design, provide opportunities for case studies comparing and contrasting various approaches to planning, to construction, and to dealing with the ever-present threat of wild land fires to homes and people in WUI areas including availability of usable aerial assets. Provide distributable insights and lessons to promote best practices among State fire agencies as well as local planning departments
- * Discuss and compare the various financing means for firefighting in general and aerial fire-fighting in particular. Focus on those means of financing best applied to specific polities and political circumstances
- * Utilize novel presentation and educational media for experimentation and distribution of studies and data researched by AFRRN

Read our Mission Statement in its entirety: [AFRRN Mission Statement](#)