



1
00:00:00,000 --> 00:00:02,510
(Airplane propellor engines sounds)

2
00:00:02,510 --> 00:00:04,270
Narrator: Air tankers are practicing fighting

3
00:00:04,270 --> 00:00:07,790
wildfires from the skies of Northern California.

4
00:00:07,790 --> 00:00:10,430
This time, with the help of NASA researchers and

5
00:00:10,430 --> 00:00:13,520
STEReO, a technology called Scalable Traffic

6
00:00:13,520 --> 00:00:17,280
Management for Emergency Response Operations.

7
00:00:17,280 --> 00:00:19,730
It's a system that acts like an air and ground

8
00:00:19,730 --> 00:00:22,010
traffic controller, coordinating all the

9
00:00:22,010 --> 00:00:25,690
moving parts of a wildfire response operation.

10
00:00:25,690 --> 00:00:28,000
As part of a training, CAL FIRE and the

11
00:00:28,000 --> 00:00:30,080
U.S. Forest Service flew planes over

12
00:00:30,080 --> 00:00:34,320
simulated flames in coordination with NASA drones.

13
00:00:34,320 --> 00:00:36,060

On the ground, researchers put the

14

00:00:36,060 --> 00:00:38,920

STEReO system into action.

15

00:00:38,920 --> 00:00:42,290

It can coordinate uncrewed and piloted aircraft,

16

00:00:42,290 --> 00:00:45,560

track people on the ground while monitoring fires,

17

00:00:45,560 --> 00:00:48,990

and send real-time updates of ongoing operations,

18

00:00:48,990 --> 00:00:53,180

all using STEReO's own portable internet.

19

00:00:53,180 --> 00:00:55,200

The goal is to help emergency responders

20

00:00:55,200 --> 00:00:58,350

work more safely and efficiently.

21

00:00:58,350 --> 00:01:01,160

In preparation for the training, the STEReO team

22

00:01:01,160 --> 00:01:03,790

tested aircraft at NASA's Ames Research Center

23

00:01:03,790 --> 00:01:06,560

in California's Silicon Valley.

24

00:01:06,560 --> 00:01:09,110

Drones were flown simultaneously.

25

00:01:09,110 --> 00:01:12,560

And researchers monitored system performance.

26

00:01:12,560 --> 00:01:16,050

Three NASA research centers - NASA Ames, Glenn,

27

00:01:16,050 --> 00:01:17,830

and Langley - will continue developing

28

00:01:17,830 --> 00:01:20,170

the system's capabilities.

29

00:01:20,170 --> 00:01:22,020

Firefighters will test tools