EMERGING METHODS FOR EARLY DETECTION OF FIRE

SCENARIO

Detecting forest fire



How does someone initially become aware of this process?



What do people experience as they begin the process?



In the core moments in the process, what happens?



What do people typically experience as the process finishes?



What happens after the experience is over?



Steps

What does the person (or group) typically experience?

Pictures are taken using

Pictures from the drones are sent to the sensors for sensing in case of fire Sensors will begin to sense the pictures which was clicked by the drones

In case of fire, the sensors will send several signals to the fire department

Instant awareness about the fire Quicker the response lesser the danger

Forests can be protected Vild animals an be saved edicinal plants can

forest can be rescued from the impact

Many exotic species and indigenous people can be saved from extinction if the forest fire is detected early



Interactions

What interactions do they have at each step along the way?

Pictures from drones are sent to the ground sensors for image processing

Sensing and image processing will be carried out to the pictures that have been received from the drones

Sensors will detect fire and proceed with the further steps

Signals will be sent to the Fire Department in case of fire

The Fire Department will wok on field to put off the fire



Goals & motivations

At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")

Several drones have to take the pictures of different areas

Pictures have to be sent to the underground sensors

Image processing must be done well

Sensos must sense and send the signals properly

Fire Department should take action to put off the fire immediately



Positive moments

Many forests can be saved from extinction

Wildlife can also be rescued



Negative moments

What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?





Areas of opportunity

How might we make each step better? What ideas do we have? What have others suggested?



High resolution drones

