1. CUSTOMER SEGM ENT(S)

convolution operators.

CS

6. CUSTOMER **CONSTRAINTS**

CC

5. AVAILABLE SOLUTIONS

AS

Explore AS

on J&P, tap into BE, understand

Extract online & offline CH of

Existing detection methods such as satellite and optical systems can cover large areas; satellite systems identify infrared signatures, while optical systems look for smoke plumes

2. PROBLEMS

J&P

RC

7. BEHAVIOUR

The Fire Behavior Triangle. Just like there is a fire triangle, made up of heat, oxygen, and fuel, there is another triangle called the fire behavior triangle. The three legs of this triangle are fuels, weather, and topography. The sections below go more in depth into each of thise and their influence on fire

Every year, there are an estimated 340,000 premature deaths from respiratory and cardiovascular issues attributed to wildfire smoke. The increasing frequency and severity of wildfires pose a growing threat to biodiversity globally. Individuals, companies and public authorities bear great economic costs due to fires.

Techniques based on Convolutional Networks are the

modeling the long-range relationship between objects

most used and have proven to be efficient at solving

such a problem. However, they remain limited in

in the image, due to the intrinsic locality of

9. PROBLEM ROOT CAUSE

Loss of biodiversity. Loss of regeneration and reduction.

Climatic changes and the greenhouse effect are

some of the consequences of such destruction.

Interestingly, a higher percentage of forest

fires occur due to human activities.

3. TRIGGERS

TR

EM

Human-caused fires result from campfires left unattended, the burning of debris, equipment use and malfunctions, negligently discarded cigarettes, and intentional acts of arson. Lightning is one of the two natural causes of fires

4. EMOTIONS: BEFORE / AFTER

People who are involved directly in disasters such as wildfires or exposed to the effects of disasters may

experience lots of negative emotions. Losing your sense of security, control and certainty is a major source of stress.

10. YOUR SOLUTION

SL

To minimize these losses, early detection of fire and an autonomous response are important and helpful to disaster management systems. Therefore, in this article, we propose an early fire detection framework using finetuned convolutional neural networks for CCTV surveillance cameras, which can detect fire in varying indoor and outdoor environments

8. CHANNELS of BEHAVIOUR



Helps to notify the data preprocessing information.

8.2 OFFLINE

You are offline the application shows the forest fire.

