

Describe your idea in one sentence:

A drone uses thyger tech (ATTAACT) and (ERN'S flame derector to detect and mitigate fkins & enber at the beginning.

• Visualise your idea. Draw it, map it, diagram it. What are the different components or aspects of the idea? Show the idea in context. Sketch how your idea solves the defined issue/problem.

ME dorone - Hyger tech: detettion of gazes, navigeotion

- Flame detectore: Matchsize frame@ 30m embers/sparks @ 10m detection of gares

. · · · Hops before it starts · · Stops spreading fire retendant Sprang to put. (over high anys) out enders sportes

CHRIS: - adlect data on what created the. fire, analyses.

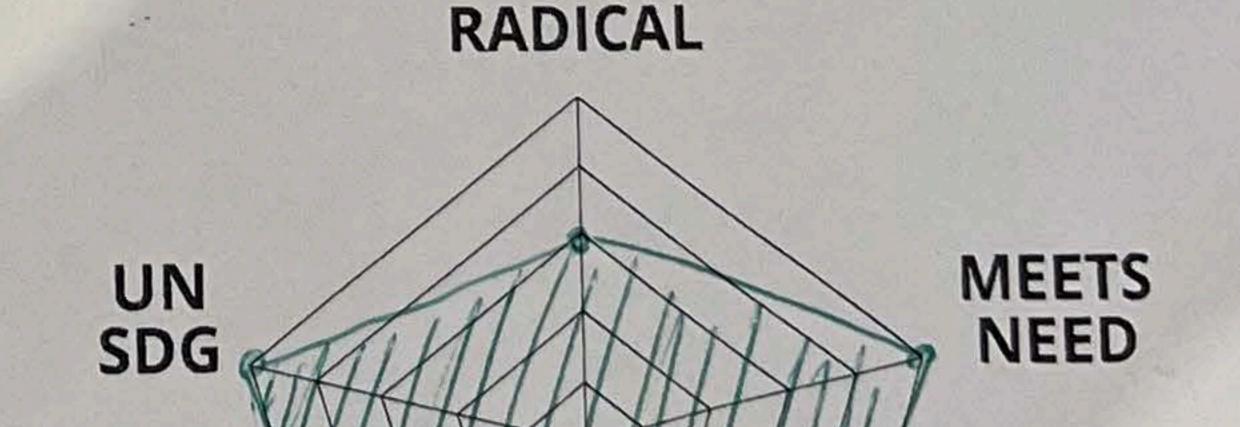
How does the idea work in more detail? What issue does your idea solve? The drone paired with the tech allows for fires to be "tracked and put out in small amounts, mitigating Au risk of a fire growing or spreading."

What are the benefits to the user and other stakeholders?

fire safety -firefighters can't be everywhere

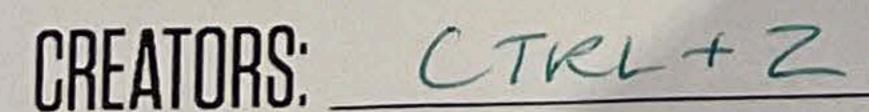
· air quality

What is the point of difference?



· combination tech o automated firefighting (for certain scenarios)





Who was the super awesome creator of this idea??!

IDEA TABLECLOTH

inno space

WHAT

What is the solution? Describe the project in enough detail for other to understand. What are the different components, elements, features?

It's a drone which navigates through forest fires and fire prone areas to detect ember attack or spot fires and extinguish them to prevent Enther spread. This is important In Australia where we have large scale lash fives which cause environmental and human health issues through air and water Pollution.

It uses ATTRACT'S Hupper technology to novigate through different landscapes (bush, residential, industrial and smokey), and CERN's flame detector to detect embers, sparks, and flames at a distance, and triggers the extinguisher. Retting act ember attack and spot fives helps to prevent spread and large scale fives.

These technologies combined with a camera can help to capture data which can be analysed by climate scientists, meterologists, and five specialists for the prediction, prevention and planning of fiture fives.

By preventing large scale fives, we can veduce asist with the health visles for people and planet by reducing air and water to pollution - 2 problem faced by Many Aussies living in and avound five-prone areas.

ON Head

ン



WHO

Stakeholders & Users Who is impacted? Who do we need to engage with? Who do we need to involve in the process? People living in five prone areas (FA + Government Infrostructive Data analysis Envivonment Hospitals/ Health care Agriculture

WHY

Problem - Solution Fit

What is your SDG problem statement? Can you succinctly describe how your solution solves the societal problem

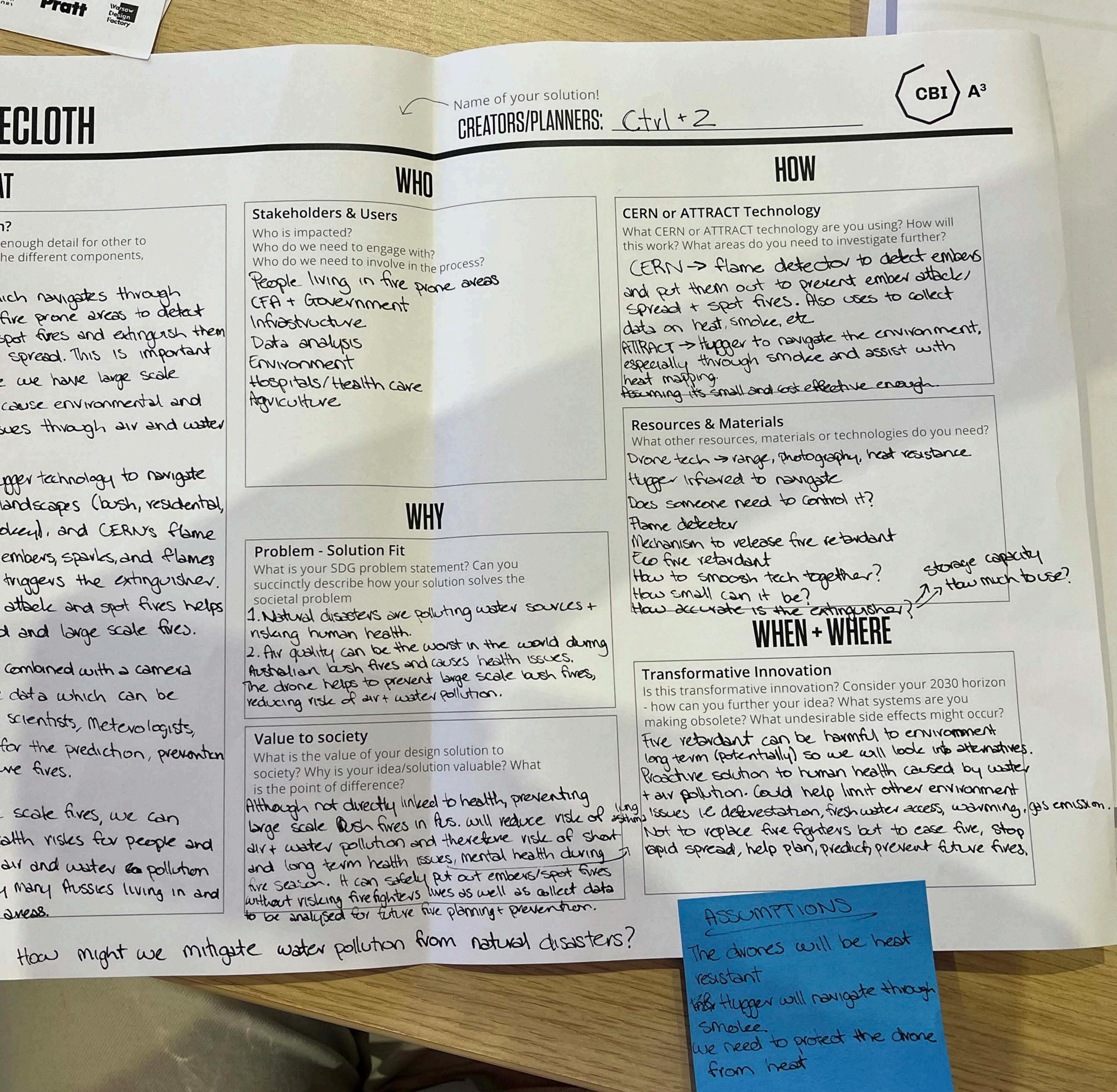
2. Notwal disasters are polluting water sources + inslang human health.

2. Air quality can be the worst in the world during Australian bish fives and causes health issues. The drone helps to prevent large scale bush fires, reducing visle of air + water pollistion.

Value to society

What is the value of your design solution to society? Why is your idea/solution valuable? What is the point of difference?

Although not directly linked to health, preventing dirt water pollution and therefore visle of short and long term health issues, mental health during five season. It can safely put out embers/sport fives without visicing five fighters lives as well as collect data to be analysed for fiture five planning + prevention.



CBI) A³ storage capacity 17 tau much touse?



IdeaSquare welcomes vou to *Dream P* *Do Goc *Be Oper *Collaboi *Experim

As.

42%

TIT

50%

re than hysical Carrier Leans

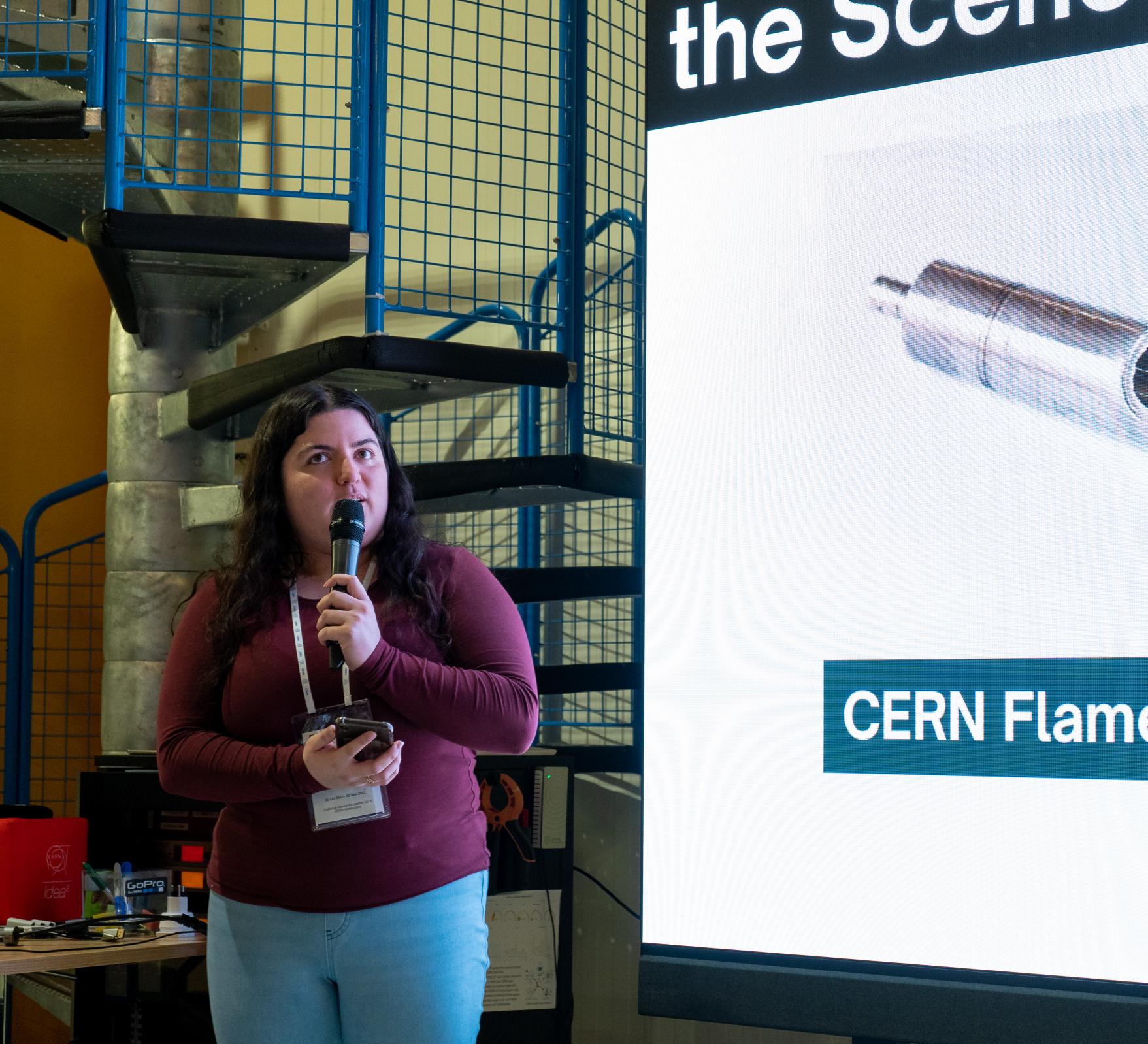




A50 Deaths from smoke inhalation

Hectares of land burnt during Black Summer

million



CERN Flame Detector





Problem

Bushfie

have an enormous impact on both human and environmental health



BOD percent

Houses lost can be attributed to ember attack Deaths from smoke inhalation

450

million

Hectares of land burnt during Black Summer



Behind the Scenes



CERN Flame Detector

