

# Challenge for Iberia; *Real-time incident resolution*

**How can we alleviate the lack of real-time information to efficiently and effectively provide solutions for highway incidents in a scalable way?**

Challenge definition template

15/02/2022

## The Why

When an incident occurs on public roads (accidents, animals and dangerous objects present in the roadway, snow and ice, etc...), it creates a stressful and chaotic situation that is difficult to address. Information in these moments is key to a quick and effective response, as many critical minutes can pass from the moment the incident occurs until real-time information about the situation arrives in the hands of proper personnel.

## The Context

Currently, when an incident occurs, Globalvia's road maintenance team sends a patrol vehicle to the accident area to detect and assess the situation. Depending on the state of the road (fluid or collapsed) the team may take more or less time. That is why we look for solutions that allow us to have the incident information immediately, without the need to send a maintenance vehicle.

**How can we alleviate the lack of real-time information to efficiently and effectively provide solutions for highway incidents in a scalable way?**

## What are we looking for?

We are looking for innovative solutions that allow Globalvia to provide **real-time information** when an incident occurs on public roads.

It should be taken into consideration that they must be **scalable solutions** and should not require the deployment of new physical infrastructure or that do not entail a high investment:

- ✓ **IoT solutions**
- ✓ **Solutions involving drones**
- ✓ **Solutions involving sensors**
- ✓ **Any solution applicable to the challenge**

- **The solutions must be compatible with extreme conditions of rain, wind, fog, snow, or low or no visibility.**
- **Since there are multiple types of incidents, we are not looking for a single solution that fits all of them. Different kinds of solutions may be suitable depending on the type of situation.**

This is not an exhaustive list of solutions, so if you think your idea can help us to solve this challenge, **we look forward to hearing it from you!**