



**GOVTECH CHALLENGE SERIES 2.0**

# HOW TO DETECT UNSAFE PRODUCTS ON THE WEB?



**State Consumer Rights Protection Authority**

**GOVTECH** LAB





# CONTEXT

## CURRENT SITUATION

- Currently, unsafe and dangerous product detection is done manually, by searching for keywords, photos, etc.;
- However, this method is not effective enough and is used very rarely due to the human resources required.

## SCOPE

- Detecting unsafe products and their sellers is crucial, since most businesses both inside and outside the EU sell their products online.

## PROBLEM

- The Authority is facing a problem to:
  - identify unsafe and dangerous products sold online;
  - find the sellers of unsafe products;
  - assess the risk that the products cause or undertake safety tests when these products are not unavailable for physical tests.

State Consumer Rights  
Protection Authority





# CHALLENGE

**We seek innovative tools that would allow easier detection of unsafe or dangerous products and their sellers on the internet.**

State Consumer Rights  
Protection Authority





# SOLUTION

## KEY FUNCTIONS

- The search functionality should be as vast in its formats as possible: unique naming, barcode, photos, etc.;
- Continuous search of suspected products and sellers;
- High precision in the detection mechanism so that minimal human intervention would be needed.

## METRICS FOR SUCCESS

- High number of detected cases of unsafe products.

## IMPORTANT ASPECTS

- The REPEX system (illegal product database) is the most reliable data source and thus a connection must be established with it;
- The search functionality must be extensive enough and consider a maximum of available query inputs;
- During the search irrelevant information should be filtered-out (search results not related to unsafe products).

State Consumer Rights  
Protection Authority





# OPPORTUNITIES

## INSTITUTION

- The State Consumer Rights Protection Authority and its experts will be at the disposal of the teams all-process-long, and will be able to assist with legal, tech and other information necessary for the creation of a quality solution.
- The prototype will be evaluated in practice. Specialists responsible for market surveillance will provide feedback and help guide iterations.

## MARKET

- There are currently very few solutions for this problem on the market, thus making it demanded not only in Lithuania, but in other countries too.

State Consumer Rights  
Protection Authority

