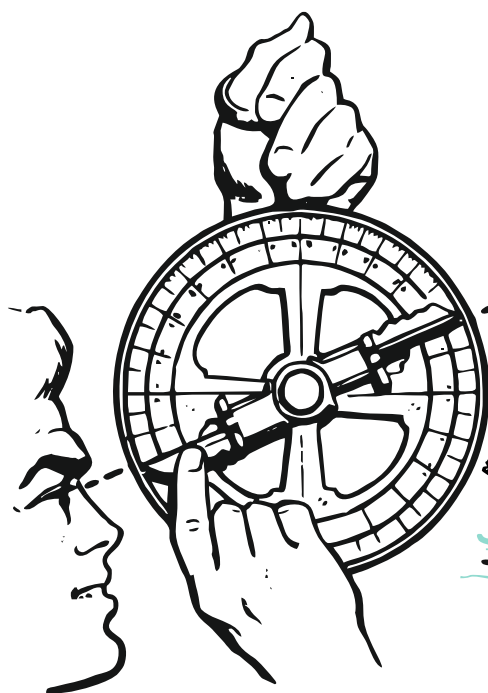




**Łukasiewicz**  
Institute of Heavy  
Organic Synthesis  
BLACHOWNIA



**HORIZON**  
**europe**

TOPIC ID:  
HORIZON-JU-CBE-2024-RIA-04

**SSbD bio-based coating materials for applications under  
demanding and/or extreme conditions**

**Development of a new, halogen-free flame retardants for coating materials**

- Type of project: Research and innovation (RIA)
  - TRL: 4-5 at the end of the project
- Call deadline: 18 September 2024

## ABOUT US

Lukasiewicz-ICSO "Blachownia" specializes, among other areas, in the synthesis and characterization of flame retardants. Over recent years, we have actively engaged in projects focused on synthesizing and characterizing flame retardants tailored for wood-based panels and PUR foams. Additionally, we are currently conducting R&D work aimed at identifying commercially viable alternative to bromine-based flame retardants typically employed in PUR foams. Furthermore, our research extends to pioneering synthesis of innovative flame retardants designed specifically for textiles.

## OUR IDEA


In this call, we can offer the selection and synthesis of a flame retardants for a specific application in bio-based coatings. Additionally, we provide comprehensive chemical analyses of these compounds. Through this collaborative effort, the final product can achieve the desired flame retardant properties effectively.

We warmly welcome collaboration and discussions regarding flame retardants.



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