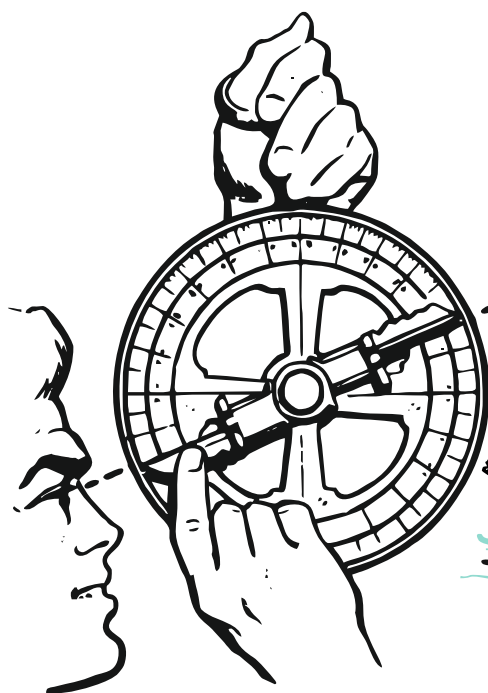




Łukasiewicz
Institute of Heavy
Organic Synthesis
BLACHOWNIA



HORIZON
europe

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

**Circular and SSbD bio-based construction & building materials
with functional properties**

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

- Type of action: Innovation Action (IA)
 - TRL: 6-7 at the end of the project
- Call deadline: 18 September 2024

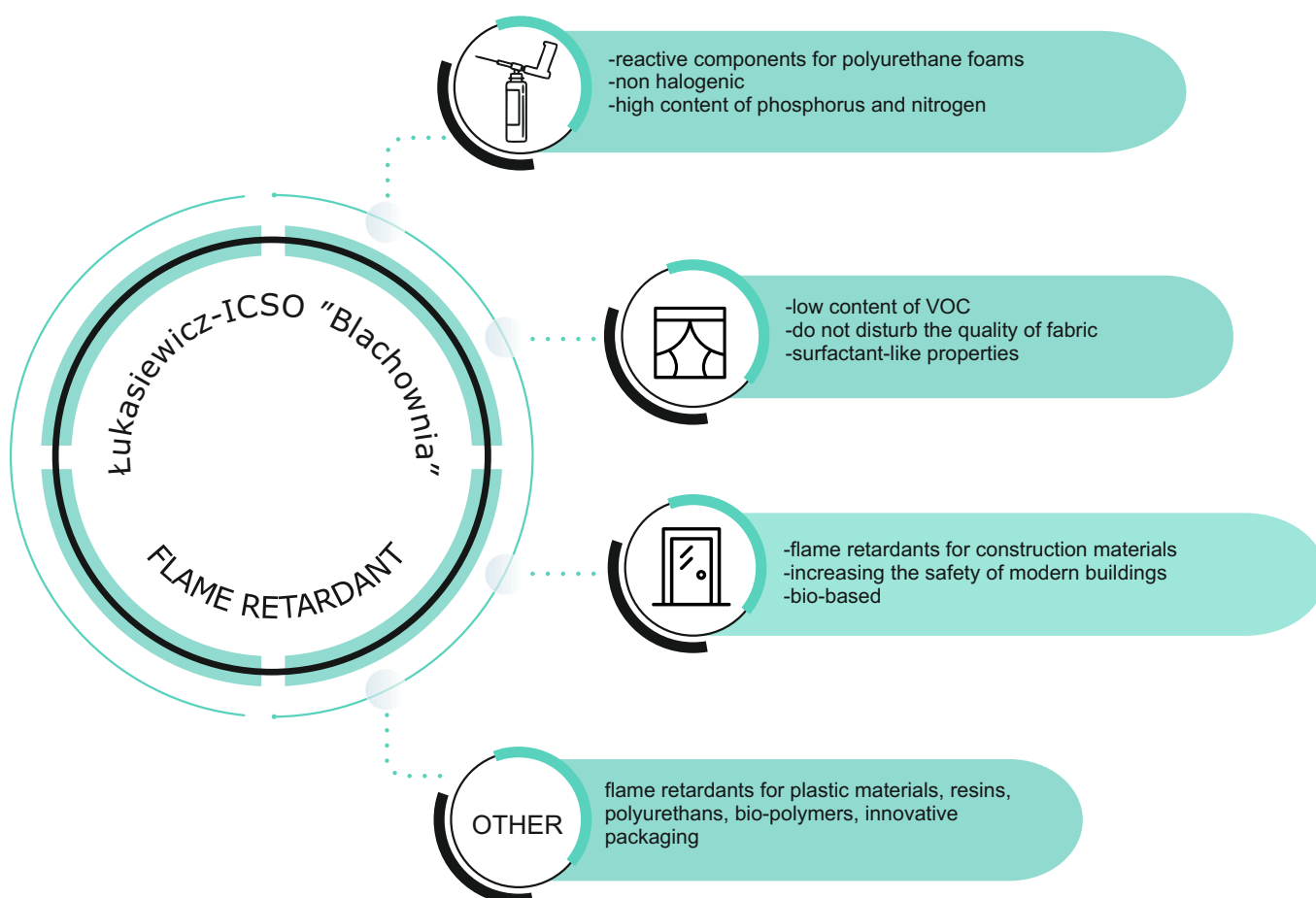
ABOUT US

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 response to above mentioned Call, we offer expertise in the selecting and synthesizing flame retardants tailored to specific applications in the construction and renovation of buildings, particularly for PUR foams, door structures, window frames or wood-based panels. 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.



Katarzyna Zielińska, PhD - Catalytic Processes Research Group



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