

LIFE-FLAREX

Mitigation of environmental impact caused by Flame Retardant textile finishing chemicals studying their non-toxic alternatives

PRESS RELEASE

Terrassa, January 15th 2020



Industrial demonstration continues in Catalonia and the partnership launches an awareness raising video about the project

LIFE-FLAREX is a LIFE Programme project that aims to reduce the impact on the environment, human health and workers' safety, of current harmful Flame Retardants used in the textile industry and their alternatives, by analyzing their environmental impact and technical functionalities and promoting the best practices for the sector

Over the past two weeks, the industrial demonstrations trials of the LIFE-FLAREX projects were conducted in Catalonia in two companies: [BONDITEX](#) and [E.CIMA](#), both members of AEI Tèxtils, the Catalan Technical Textiles' Cluster. The objective of the industrial trials is to validate the results from lab scale towards safer and environmentally-friendlier flame retardants.

AEI Tèxtils coordinated the industrial demonstration with both companies where experts from LEITAT participated in the tests. They collected data for the assessment of exposure, health and environmental impact as responsible for the characterization of treated textiles and to assess the life cycle impact and the risk assessment.

During the industrial scale tests, the experts measured process parameters and took samples which will facilitate the risk assessment, the environmental and life cycle analysis and the determination of the technical properties of the treated fabrics. The validation includes the comparative of alternative flame retardants against conventional ones, in order to obtain concluding evidences of the technical feasibility, reduced risk and lower environmental impact.



LIFE-FLAREX is a project co-funded by the European Union under the LIFE Financial Instrument within the axe Environment Policy and Governance and under the Grant Agreement n. LIFE16 ENV/ES/000374

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BONDITEX and E.CIMA are companies with strong commitment with the environment. They have supported the LIFE-FLAREX project by providing their facilities and expertise for the industrial applications of the project.

In addition to BONDITEX and E.CIMA, the LIFE-FLAREX partnership has also conducted industrial tests in Italy ([TF2000](#), [Finistampa Giordanetto](#)) and Czech Republic ([TYLEX](#)). The last remaining industrial demonstration will be carried out in Spain ([PERTEX](#)) in the coming weeks.



FLAREX team with Ms. Yeimy Morales, Quality and R&D Manager at Bonditex (1) and with Mr. Jordi Mota, R&D Manager of E.CIMA (2)

In order to continue the promotion of sustainability, AEI Tèxtils and the LIFE-FLAREX project have just released an animation video summarizing the needs for the project and describing its activities in layman's terms.

The project video aims to raise awareness and consciousness about the need for safer and environmentally-friendlier finishing products for many household applications which currently contain hazardous chemicals.

LIFE-FLAREX video Link: <https://youtu.be/o2e877GdcY>



LIFE-FLAREX Video



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The project coordinator is AEI TÈXTILS, the Catalan cluster of technical textiles. Six additional partners complete the consortium: two Spanish technological centers/research institutes: LEITAT and the Institute of Advanced Chemistry of Catalonia (CSIC), both members of AEI TÈXTILS, the Belgian textile research center CENTEXBEL and three technical textile clusters: ATEVAL from Spain, POINTEX from Italy and CLUTEX from the Czech Republic.

LIFE-FLAREX's objective is to reduce the impact on the environment, human health and workers' safety, of the current flame retardants used in the textile sector, and their future alternatives, by identifying which are the best technologies available, both from the performance and from the sustainability point of view. This will be achieved with the development of the analysis of their environmental impact and functionalities in order to promote the substitution amongst the manufacturers.

For more information: www.life-flarex.eu



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