



LIFE ALFIO

LIFE ALFIO - Alina Life Formulations in Open-Source Platform

Implementation time: 01/07/2018 – 30/06/2022
LIFE17 ENV/LV/000318

The LIFE ALFIO project is being implemented by:



ALINA



UNIVERSITY
OF LATVIA



The LIFE ALFIO project has received funding from:



Valsts reģionālās
attīstības aģentūra

The LIFE ALFIO project's overall objective: to reduce the impact of toxic chemicals on the environment and human health by reducing toxic biocides and VOCs in paint and coating formulations with a safe, sustainable and novel organoclay-based material.

Project will provide a set of tools for paint and coating industry to substitute toxic chemicals. The novel approach of public online platform with published formulations and ability to trace components will increase industry's knowledge and facilitate transparency in product value chains.

Project has specific targets (ST):

ST1: To pilot the use of organoclay component in 16 eco-friendly, reduced VOC and biocide free paint and coating formulations as a transferable solution for paint and coating industry. Respecting the EU targets for reduction of VOCs, all formulations will be Ecolabel compliant, reducing the use of VOCs from 50 to 10 g/L.

ST2: To pilot organoclay production technology creating prototype for industrial capacity. The aim is being able to produce sufficient organoclay - at least 120 t/year - for the industrial production of paints and coatings as soon as companies start using new formulations.

ST3: To promote and to make easily transferable VOCs and biocide diminishing options by developing an online platform for: 1) paint formulation publishing, 2) transparency and traceability of paint and coating components, 3) industry communication.