



ALINA LIFE Formulations in Open-Source
Platform ALFIO
LIFE17 ENV/LV/000318

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LIFE info day 2019, Vilnius



Eco-technology for Sustainable Preservation



Silver level Material Health Certificate by the Cradle to Cradle Products Innovation Institute.

EU regulatory (REACH) compliant. Positioned as organoclay, surface treated montmorillonite mineral.



- Non-toxic
- Non-allergenic
- Non-carcinogenic
- No-leaching



Approved International Patent Application



TEAM



Daivids Stebelis
Sales & Marketing

Girts Ozols
Production & Finance

M.Sc.chem.
Juris Kostjukovs
R&D science

PhD.cand.math.
Solvita Kostjukova
CEO

35+ years executive experience, 20+ year in research and development



TIMELINE



ALFIO



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PROJECT LOCATION: Riga, Latvia

BUDGET INFO:

- Total amount: 2 398 160 EUR
- % EC Co-funding: 60%

DURATION: 3 years and 3m

Associated Beneficiaries: University of Latvia &
Riga Technical University



OBJECTIVES & SCOPE



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Project objective is 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.

16 replicable formulations

Industrial production prototype 120 t/year

Online platform for transparency and traceability of formulations



EXPECTED IMPACTS



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During the project:

- 500 industry companies introduced, acknowledgement from 25 industry partners
- Produced 400 K liter of paint and coatings
- Reduced use of biocide by 3.47 tons
- Diminished use of VOC by 16.64 tons
- Online platform with 5K visitors
- 4 new green-jobs created



EXPECTED IMPACTS



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After the project:

- 25 industry partners producing the new, reduced VOC and biocide formulations
- Produced 12 M liter of paint and coatings
- Diminished use of biocide by 100 tons
- Diminished use of VOC by 480 tons
- Online platform with 25K visitors
- 75 new green-jobs created



POLICY IMPLICATIONS



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Initiative (suggestion) document to policy makers (activity B5.3) that will directly contribute to national environmental policy implementation.

A conference / panel discussion about biocide and VOC-free challenges and solutions with opinion leaders & policy makers (like ECHA, DG Environment, DG GROW, EcoLabel, sustainable building boards, institutes)



CONTINUATION



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REPLICATION

Activities facilitating market up-take of the new paint formulations in EU

TRANSFER

Raise paint and coating industry awareness, share knowledge and information about toxic chemicals substitution options, supported with online platform information data-base

MARKET UPTAKE

Eco-friendly formulations - 8 mil. EUR during the project and 240 mil. EUR after the project (12 M liters produced in 5 years after the project); 75 new green-jobs created; 25 industry partners producing the new, reduced VOC and biocide formulations



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