

12 Recycling Projects

15. New Recycling Technologies

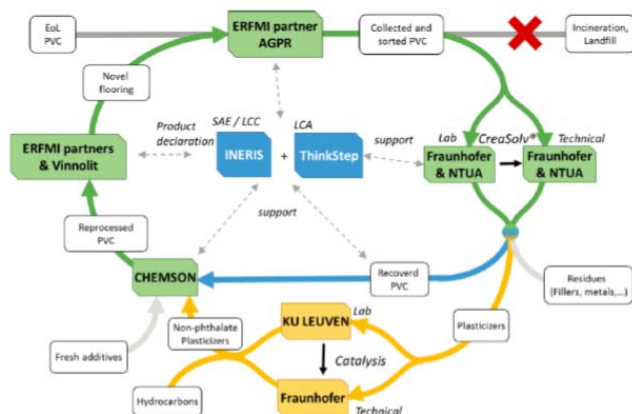
Circular Flooring Project Proposal H2020

- H2020 research proposal submitted September 2018
- Research objective:
- Circular use of plasticised PVC from waste flooring by developing recycling process that eliminates plasticizers including DEHP and BBP from the PVC matrix and recovers recycled PVC with highest quality.
- Results demonstrated by reprocessing eliminated plasticisers into new phthalate free plasticizers and reusing recycled PVC and additives in new flooring applications.

Circular Flooring project set up

Internal Project Description, 07 Aug. 18
Circular Flooring

Confidential



- Large consortium including research institutes, universities and industrial partners
- Research project
- 100% funded

Funding

- 4 year project
- Total funding €5,38 million
- Funding for ERFMI and partners €572,000
- Decision by H2020 is foreseen in early February (5 months after submission)

Oréade

- Incinerator run by Suez in France
- Project for difficult to recycle end of life flexible waste
- Update:
 - Contract signed between Suez and Vinyl Plus
 - Plant being adapted to take PVC
 - No update yet on when funds will be required to cover gate fee.

Funding structure

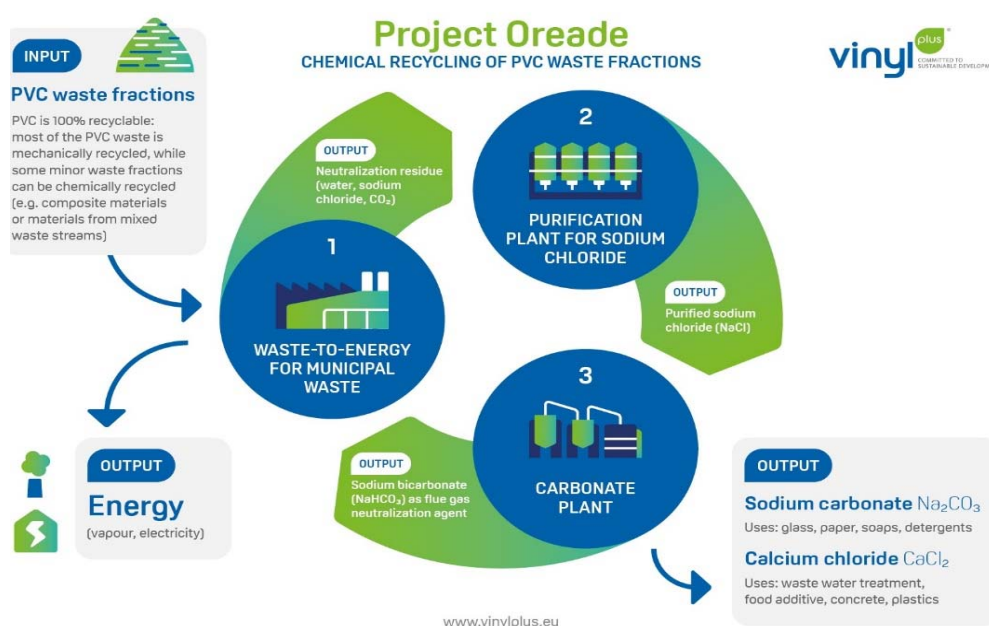
Project costs: ~1 M€

- Covering CAPEX, standard waste treatment costs, the costs of neutralization agent and certification

- **Duration:** 12 months

Waste quantity: 2000 tons

- Vinyl Plus to contribute €700,000 and €75,000 each from IVK (Tarpaulins), ESWA(Roofing), VSFE (Films and sheets) and ERFMI



Recycling Figures

2017 Figures: 106,000 tonnes or 106,000,000 kg

2018 Figures for Q1 and Q2: 53,855 tonnes not complete for Q3 and Q4