NORUBTREET4_LIFE

Description

The project NORUBTREET_4_LIFE aims to address EU regulations banning used tyres as secondary raw materials many applications (e.g. in children's playgrounds and sports fields) due, among others, to polycyclic aromatic hydrocarbons (PAHs) health risks. The project aims at developing a closed-loop recycling process for tyres, producing new rubber blends that are:

- fully compliant with performance standards;
- free of PAHs;
- reducing greenhouse gas emissions by at least 30% compared to virgin material production.

The approach to meet these goals consists in incoprorating into the relevant formulations recycled rubbers as well as additives. The new PAH-free materials will undergo comprehensive testing to validate functional properties and emissions behavior. The consortium will monitor gaseous emissions, volatile components, and airborne particulate matter, anticipating future EURO 7 standard requirements.

Project Partners

- University of Trento (Italy) (project coordinator)
- Università degli Studi di Milano (Italy)
- University of Groningen (Netherlands)
- KTH - Kungliga Tekniska Högskolan (Stockholm, Sweden)
- Marangoni S.p.A. (Italy)

Project details:

- Funded under: LIFE-2023-PLP
- Grant agreement ID: 101148761
- Topic: LIFE-2023-PLP-NAT-ENV
- Type of action: LIFE
- Project Grants Start date: 1/06/2024
- Project duration: 31 months
- Budget: € 998 575,36
- Project coordinator: University of Trento (Italy) - Stefano Gialanella (stefano.gialanella@unitn.it)

Project results:

Coming soon



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