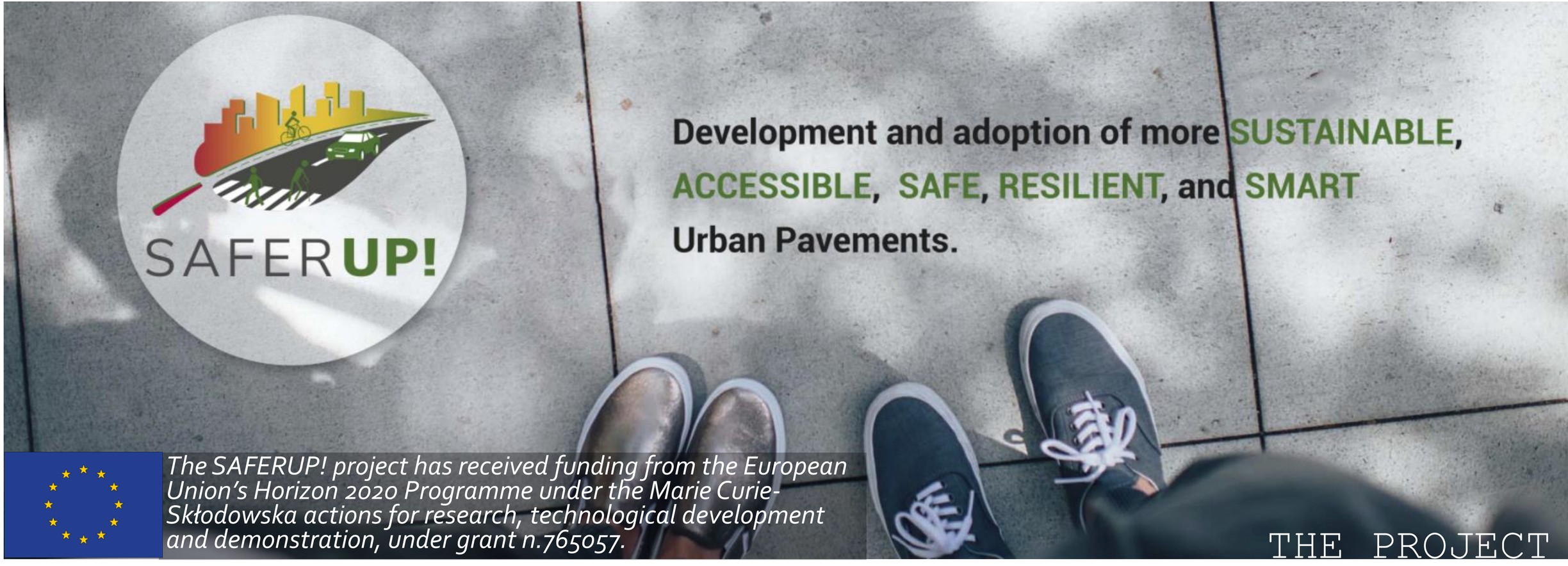
Noon-to-noon with energy and environmental challenges – Perugia February 15th-16th, 2018



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THE PROJECT

Participants of SAFERUP! agreed to foster the creation of a **cooperative academy-industry Training-through-Research programme** that aims to drive the development and adoption of more **Sustainable, Accessible, Safe, Resilient, and Smart Urban Pavements**. SAFERUP! aims to create a multidisciplinary **European Training Network** that brings together internationally known researchers and highly qualified industrial and social partners under 6 main pillar-topics.

The specific fields of interest are: users' behaviour and protection (especially the disabled and elderly), intelligibility and accessibility of pavements, road safety and urban acoustics, pavement management systems, durable and **smart paving materials** (fast-repairing and **self-sensing**), energy harvesting and geothermal pavements, **Urban Heat Island** and flood risk mitigation, bioremediation of wash-off waters, pavement and industrial waste recycling and Life Cycle Assessment of construction products and technologies.

The SAFER**UP!** network is designed to achieve the following General Objectives:

- **Train top-level researchers and professionals with high expertise in the fields** of recycled, smart and durable paving materials, vulnerable users and road safety, pedestrians accessibility y and protection, water management and bioremediation systems, behaviour simulators and life cycle assessment tools, road geothermal energy, energy harvesting and self-sensing technologies.
- **Increase the employability and help satisfying the rising demand for such qualified researchers and managers**
- **Push forward the scientific frontiers of urban pavements design, construction and management.**
- **Consolidate and expand the network of collaborations among the partners** through the creation of an integrated, long-term research and training base in the EU that brings together universities, research institutes, industrial companies and stakeholders.
- **Enhance academia-industry Transfer of Knowledge in both directions and obtain full value from the network**.

OPEN POSITIONS

CIRIAF Centro Interuniversitario di Ricerca sull'Inquinamento e sull'Ambiente - "Mauro Felli"

DICA DIPARTIMENTO DI INGEGNERIA CIVILE E AMBIENTALE

Early Stage Researcher at UNIPG -1

Cool pavements for Urban heat island effect Mitigation (CoolUM) – Supervisors A.L. Pisello (UNIPG), M. Santamouris (UNSW), M. Favaro (CORE)

Objectives

To improve users' comfort and energy balance by means of UHI effect mitigation with novel paving materials.

Early Stage Researcher at UNIPG -2

Nanotechnologies for self-sensing & self-inspecting Smart Urban Pavements (NanoSUP) – Supervisors F. Ubertini (UNIPG), S. Laflamme (ISU), M. Favaro (CORE)

Objectives

To develop novel strain-sensing cement concretes and asphalt concretes doped with conductive nano- and/or micro-inclusions that provide measurable electrical outputs under application of mechanical inputs, such as traffic load.

Coordinator: Alma Mater Studiorum – Università di Bologna

Partners: TU Wien; The University of Nottingham; UC Universidad de Cantabria; UCL; Coventry University; Università degli Studi di Perugia; CEL.U Eksperts; Lancaster University; S.A.P.A.B.A.; Universität Innsbruck; IFSTTAR; Durth Roos Consulting GmbH