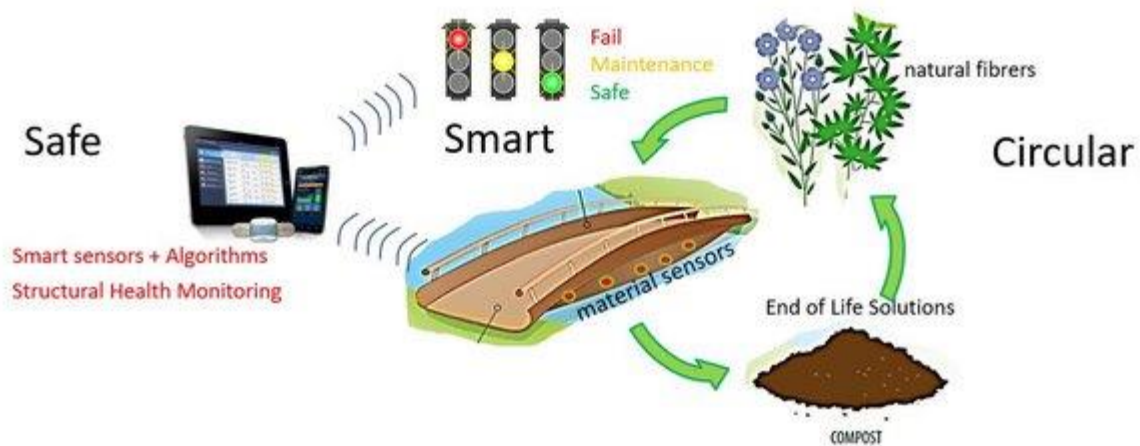


Project title	SCB – SMART CIRCULAR BRIDGE FOR PEDESTRIANS AND CYCLISTS IN A CIRCULAR BUILT ENVIRONMENT NWE993
Duration	01 – 01 – 2019 → 31 – 12 -2023
Abstract	<p>Smart Circular Bridge aims at using renewable bio-composite materials in building infra-structure. Bio-composites are materials that combine natural fibers (for strength) such as flax, with as much as possible, natural resins ("the glue holding the fibers together"). To achieve this, the project will build a total of 3 so-called "self-sensing", smart bridges. The bridges are equipped with state of the art sensors that will continuously monitor the material behaviour in real time. If certain safety levels should be (almost) compromised, the bridge will send out early warnings through its bridge management system.</p> <p>Apart from the materials, the Structural Health Monitoring system, the project will also research the material impact. New solutions for the end of life, the circularity will be part of the project, and possible results will be disseminated as widely as possible.</p>
Project Coordinator	TU/e Technische Universiteit Eindhoven
Involved research partners	
<p>University – Research Group</p> <ul style="list-style-type: none"> • - KU Leuven • - FiberCore Europe BV • - 24SEA BVBA • - Com&Sens • - VolkerInfra BV • - Lineo - groupe NatUp fibres (Before Ecotechnilin) • - Universität Stuttgart • - Centre of Expertise Biobased Economy (Stichting Avans) • - Vrije Universiteit Brussel • - Gemeente Bergen Op Zoom • - Gemeente Almere • - Gemeinde Ulm • - Proesler Kommunikation 	
Total budget	EU funding: € 3.93 M, total budget: € 6.86 M
Type of funding	Interreg Northwest Europe;
Financing body	Interreg Northwest Europe; https://www.nweurope.eu/
External website link	https://www.nweurope.eu/projects/project-search/smart-circular-bridge-scb-for-pedestrians-and-cyclists-in-a-circular-built-environment/



Interreg EUROPEAN UNION

North-West Europe

Smart Circular Bridge

European Regional Development Fund