






Sustainable Industrial Design of Textile Structures for Composites

SustDesignTex

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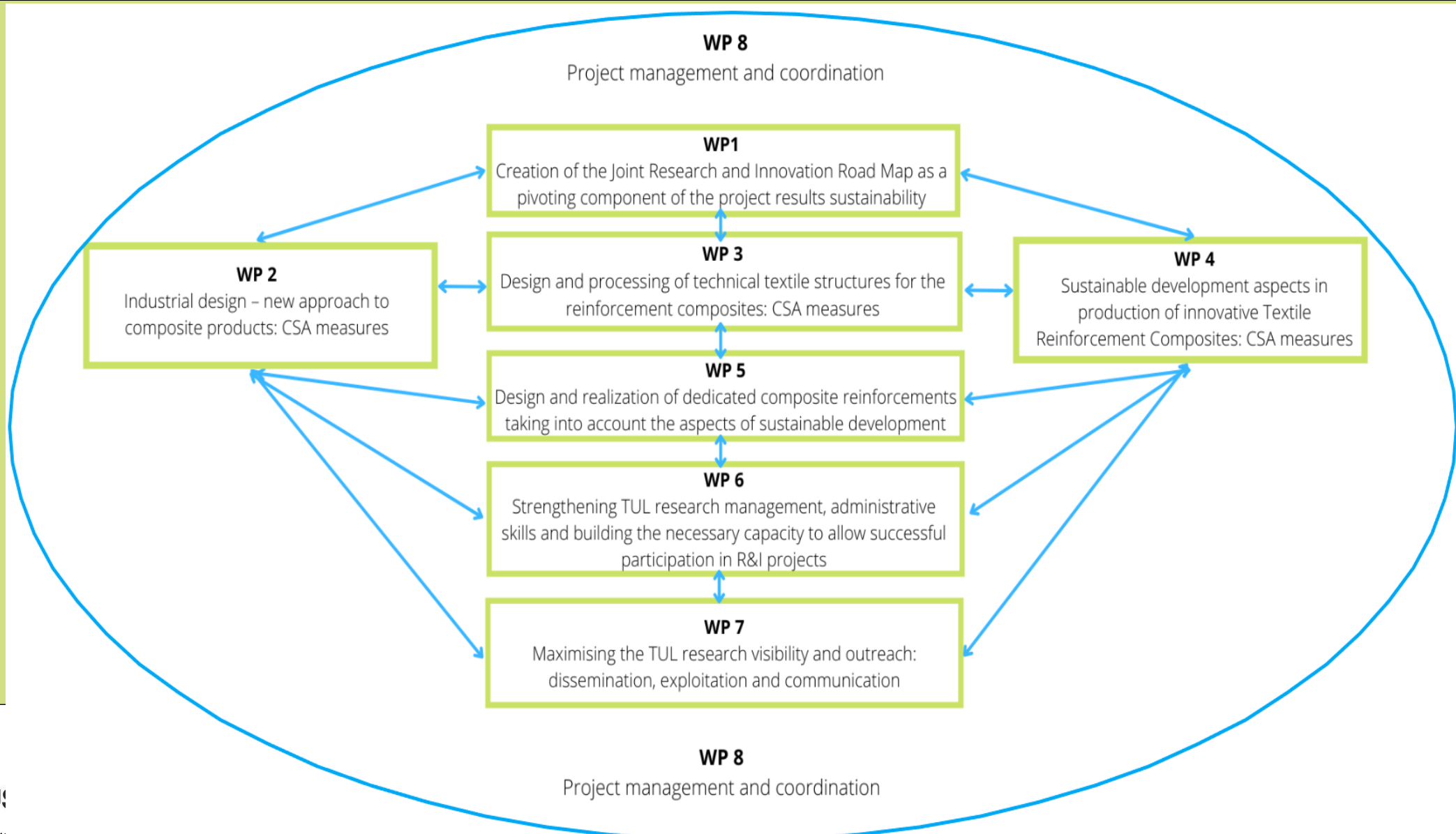
Consortium

	<p>POLITECHNIKA ŁÓDZKA (TUL) (Coordinator)</p>	<p>Poland</p>
	<p>UNIVERSIDAD DE ZARAGOZA (UZ)</p>	<p>Spain</p>
	<p>RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN (ITA)</p>	<p>Germany</p>
	<p>HOEGSKOLAN I BORAS (HB)</p>	<p>Sweden</p>
	<p>WADEMEKUM (WAD)</p>	<p>Poland</p>

Objectives

The **SustDesignTex Twinning project general objective** is to establish long-term strategic partnership between **TUL** (Faculty of Materials Technology and Textile Design - FMTTD), **top-class leading counterparts at the EU level (UZ, ITA, HB)** and the Polish company active in the field of the project results' implementation – **WAD** in particular through **networking activities**. The networking and partnership implemented in the project will raise the TUL FMTTD institutional research profile in **industrial design of innovative textile structures for composites**, as well as advance the research profile of TUL as an institution and the TUL staff, including a special focus on strengthening the research management and administrative skills in Higher Education Institution. The general objective will be gained via building on the huge potential of **networking for excellence through knowledge transfer in the specified field, based on the joint implementation of a research microproject and a preliminary exchange of the best practice between TUL and the partners due to joint research activities and a set of Coordination and Support Activities organized around the microproject.**

Inter-relationships between Work Packages



Excellence of the project

Increasing mobility by establishing contacts between scientists from different countries. Creating not only scientific but also **friendly bonds**. A network for the exchange of scientific and administrative staff as well as a scientific council of the project will be built, bringing together scientists not only from partner institutions, but also from other organizations . **Organized training, summer school, short- and long-term trips** will contribute to strengthening the bonds between the partners. **Industry-Research Dialog Platform** will be created - the platform for organized and intensive external communication with the main and final target group of the project (consumers of the TUL advanced products) – big industry representatives and SMEs, and the **Joint Research and Innovation Road Map development**. These activities will contribute to the creation of joint publications and the submission of new research projects.

Implementation

The research results will be published in high **Impact Factor journals** and at international **conferences**. In addition, a project website will be created with access to the most important project applications and information on the stages of its implementation.

At each stage of the **prototype development**, which will be used **by the industry** in the future, an **Environmental Assessment** of the solutions developed by scientists from the Lodz University of Technology will be carried out according to the adopted standards *Directive 2011/92/EU*

Contact

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