



Issue # 03

Grenoble, November 2019

The Sherpack project started in June 2017 and since the second Newsletter in July 2019 some progress has again been made.

In the past months, the partners of the project met in Grenoble (France) in June 2019 and in Valencia (Spain) in November 2019.



Save the Dates

Workshop 1 | April 1&2, 2020

A training seminar for students, researchers, and interested parties from the industry will be organized by ISOF in **Bologna** (Italy). It will be a joint event with UrBiofuture project (<https://www.urbiofuture.eu>), another BBI JU project, and the events program will be published soon.

The focus of this workshop is “**Circular Economy**”!



Workshop 2 | September 10, 2020

All the partners of Sherpack will also organize at **CTP in Grenoble** (France), a workshop targeting experts and industrialists of the sector. This day will be devoted to presenting the achievements of the project.

The focus of this workshop is “**100% Sherpack**”!



News Results

Focus ON polysaccharides grid printing

Progress has been made on the 3 innovative technologies of the project - wet lamination, biopolymer emulsion, and polysaccharides grid printing - with samples prepared for all three, and now assembled to prepare the first proofs-of-concept.

Thanks to a very good collaboration between the partners involved (Cargill, the CTP and Ahlstrom Munksjö), new and exciting results have been obtained on polysaccharides grid printing. The objective is to improve the material stiffness while reducing its basis weight, through the deposition by printing of a specifically designed polysaccharide grid.

An optimal polysaccharide formulation has now been identified, as well as an appropriate paper substrate in terms of structural and mechanical properties. The printing conditions have also been optimised, including a specific pattern design. Last but not least, this material has also been successfully tested for biodegradability and recyclability, and the polysaccharide formulation is entirely based on renewable resources. This should allow a weight reduction of about 15% compared to the non-printed paper.

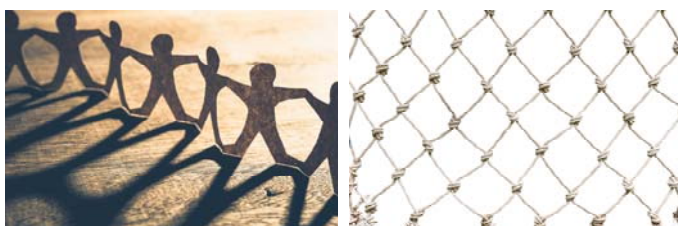


Zoom on partners

Zoom on CARGILL

Cargill Incorporated is the world-leading supplier of agricultural products and solutions, with more than 160,000 professionals in 70 countries (www.cargill.com).

Cargill Starches, Sweeteners and Texturizers is a global leader in the supply of quality products for industrial applications. They manufacture and distribute a broad range of starches and derivatives for industrial use. For more than 40 years, Cargill has been working closely with papermakers to understand their needs and offer a highly functional range of products to serve the wet-end, surface treatment and coating applications.



Follow us !

Many exciting results are still to come in the project, which will last until November 2020. Stay tuned for Sherpack next newsletter, and feel free to contact us if you have questions.

All the best!

The Sherpack Team

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