

RAIZ



Forest and Paper Research Institute

TECHNOLOGICAL
SCOUTING NEWSLETTER

March 2022

Highlights

- The packaging segment continues to be of major interest for different Pulp and Paper companies. Solutions were found for fibre-based cans, packaging for chocolate, ice cream and butter, and toys and paper bottles.



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Services Provided by RAIZ Technological Scouting:

Technological Scouting Newsletter (monthly)

Technological Scouting On Demand (specific technological issues, upon request)

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START-UP OF THE MONTH



Cambridge-based Xampla has created the world's first replacement for plastic made from plant protein. The company has developed a process for turning plant proteins into a range of high-performance materials for replacing everyday single-use plastics.

Xampla has already developed soluble films for dishwasher tablets, edible and cookable wrapper films and microcapsules for fragrance and vitamin encapsulation.

Read more ➤ [Xampla](#)



PACKAGING



Graphic Packaging

Graphic Packaging: sustainable and recyclable fibre-based can

Boardio® is the latest Graphic Packaging's innovation: a rigid paper container with high environmental benefits. It is a carton-based, cost-effective packaging solution with tailored low to high barrier protection. Compared to glass jars, plastic tubs and metal containers such as tin cans, CO₂ emissions and costs from transport by truck but also all the related handling and storage costs are reduced, simply by being delivered flat. Applications are expected on food packaging for a wide range of products, such as dry mixes, coffee, snacks, confectionery and more.

Read more > [Graphic Packaging](#)

● Technological
● **Product Development**



Packaging Europe

Van Genechten Packaging: packaging for chocolate

This Belgium producer of folding carton and microflute packaging, has developed a recyclable folding carton packaging for chocolate, PurePac, with an inside anti-grease barrier said to eliminate the need for aluminium or plastic inner packaging. The anti-grease barrier reportedly protects the chocolate from contamination and keeps aromas inside.

Read more > [packagingeurope](#)

● Technological
● **Product Development**

PACKAGING



Packag Insights

Huhtamaki: ice cream packaging with paper tubs and lids

Huhtamaki is helping the replacement of Unilever's Carte D'Or ice cream packaging with recyclable paper tubs and lids with a layer of polyethylene for sealing. The new Carte D'Or packaging, with the tubs made of paper with a very thin layer of polyethylene used for sealing, is already available across the UK and will be introduced across the brand's entire ice cream range. The paper tubs and lids use 93% less plastic per tub, resulting into a significant reduction in the amount of plastic used annually.

Read more > [packaginginsights](#)

● Technological
● Product Development



Solenis

SOLENIS & Pulpac: barrier solutions for molded fiber

Solenis, a global producer of specialty chemicals, has joined PulPac's worldwide network for developing dry molded fiber technology and applications. Solenis will focus on providing safe and sustainable barrier solutions, designed for circularity, to the dry molded fiber converters. Pulpac says that the collaboration already shows very good results and further advancements are expected on barrier technology solutions.

Read more > [Solenis](#)

● Technological
● Product Development

PACKAGING



PAPACKS

PAPACKS & Keurig Dr Pepper: recyclable and compostable paper bottle

Producer and distributor of hot and cold beverages Keurig Dr Pepper (KDP) and sustainable packaging manufacturer PAPACKS announced the start of a partnership for developing a fully recyclable and compostable paper bottle. Keurig Dr Pepper will use PAPACKS® technology, which uses fiber and organic materials, to create a 100% plastic-free bottle. In fact, the goal is for the entire package (bottle, label, cap and closure) to be compostable or recyclable with other paper products. The prototype is expected by the end of 2022, and products from KDP's entire beverage portfolio, from water to juices and carbonated drinks, are expected to be tested.

Read more > [PAPACKS](#)

● Technological
● Product Development



Cision

Stora Enso: high-strength material for shopping and takeaway bags

Stora Enso presents CarrEco Brown™, a material made from 100% fresh fibers, with high strength and tear resistance properties and also safe for direct food contact. It has a three-layer structure made with Stora Enso's patent-pending Tri-Ply™ technology. Additionally, CarrEco Brown has a natural look and feel and does not contain any optical bleaching agents.

Read more > [Cision](#)

● Technological
● Product Development

PACKAGING



LEGO

LEGO: paper packaging

LEGO has announced that LEGO's baseplates are now wrapped in paper-based packaging. The new paper-based baseplate packaging replaces single-use plastic wrappers and will be phased in over the coming months.

Read more ➤ [LEGO'S LinkedIn](#)

● Technological
● **Product Development**



Wipak

Wipak: paper butter wrap

Most butter wraps are made of coated parchment paper, which is not easily recyclable. Wipak UK is planning to launch a recyclable paper wrap for butter, which is aluminium-free and covered in highly advanced, ultra-thin natural coatings, which have excellent oxygen and water vapor barrier properties compared to standard paper, as well as a superior grease resistance.

Read more ➤ [Wipak](#)

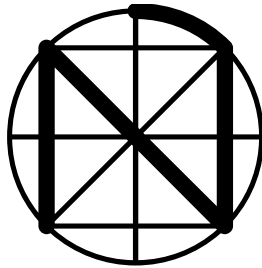
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