

RAIZ



Forest and Paper Research Institute

TECHNOLOGICAL
SCOUTING NEWSLETTER

February 2022

Highlights

- The packaging segment continues to be the predominant topic, particularly products for food packaging, from formed fiber-based bowls, trays and lids to packaging for snacks, confectionery and fast food.



Contents

- Stora Enso: double production of formed fiber products in Europe
- Stora Enso: formed fiber lids for take-away salads
- Amcor: paper-based packaging for snacks and confectionery
- Ahlstrom-Munksjö: the Organic 2.0 paper pot
- Smurfit Kappa: packaging solution for fast food
- Paptic: plastic-free and wood fibre-based packaging
- Pulpac: paper tube lids
- LignoCity: digital visits

Services Provided by RAIZ Technological Scouting:

Technological Scouting Newsletter (monthly)

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

For further information please contact: mariana.oliveira@thenavigatorcompany.com

START-UP OF THE MONTH

The logo for Traceless, featuring the word "traceless" in a lowercase, sans-serif font with a thin, light-colored outline, set against a light beige rectangular background.

This German-based start-up has developed a patent pending technology and a circular economy approach for transforming agricultural industry residues into a bioplastic, in the form of a flexible film, a moldable plast and a sprayable solution for coatings. They are suitable for products that are used only once, like single-use packaging, products with high abrasions that end up in nature and products in close contact with humans. Natural composting conditions break traceless's products down in 2-9 weeks, depending on their thickness. Disposed in other waste streams, traceless won't affect recycling or treatment processes.

Read more ➤ [traceless](#)



PACKAGING



Stora Enso

Stora Enso: double production of formed fiber products in Europe

Stora Enso is investing EUR 8 million to double its production capacity of formed fiber products in Europe. Stora Enso's formed fiber products are already being used in food packaging such as bowls, trays and lids. The applied technology is also being developed for fiber bottles. With this investment the Hylte mill's annual formed fiber capacity will grow from 50 to approximately 115 million units of product, making Stora Enso one of Europe's leading suppliers of formed fiber products.

Read more ➤ [Stora Enso](#)

● Technological
● Product Development



Stora Enso

Stora Enso: formed fiber lids for take-away salads

Stora Enso and Picadeli, Europe's leading take-away salad bar company, are cooperating for the development of formed fiber lids for replacing the commonly used single-use plastics in take-away food packaging. The lids are made of PureFiber™ by Stora Enso, and said to be plastic-free, recyclable and biodegradable.

Read more ➤ [Stora Enso](#)

● Technological
● Product Development

PACKAGING



packagingnews.co.uk

Amcor: paper-based packaging for snacks and confectionery

Amcor has announced a high-barrier and recyclable paper-based packaging for snacks and confectionery, the LifeSpan Performance Paper. It is a high-barrier, even in tropical conditions, and grease resistant FSC-certified paper-based solution, with more than 80% paper fiber content, polyvinylidene chloride (PVDC)-free and recyclable across most European countries. It is expected to appear in stores in Europe for snacks and confectionery in 2022, with expansion planned into coffee and culinary.

Read more > [Amcor](#)

● Technological
● Product Development



Paper First

Ahlstrom-Munksjö: the Organic 2.0 paper pot

Ahlstrom-Munksjö, Ellepot, and OrganoClick have collaborated for the development of the Organic 2.0 paper pot, which is an organic-based solution for growing crops at an industrial scale. It is said to be a more sustainable and more economical solution for growing plants by using the paper pots planted directly into the soil. The pots degrade away after time, decomposing in a time frame of 6 to 8 weeks, allowing the crop's roots to penetrate through the soil and supporting the healthy growth of the plants. OrganoClick supplies the biobased and biodegradable binder material, Ahlstrom-Munksjö produces the nonwoven paper, and Ellepot creates the final product.

Read more > [Ahlstrom-Munksjo](#)

● Technological
● Product Development

PACKAGING



Smurfit Kappa

Smurfit Kappa: packaging solution for fast food

Smurfit Kappa has developed a new and entirely sustainable packaging solution for fast food, the Twin Kraft Grease Guard MB12 packaging solution, created for Lithuanian fast-food restaurant Fresh Post.

It is made from Smurfit Kappa's Twin Kraft Solid Board, a paper-based mono-material designed for food packaging. It additionally integrates the company's MB12 coating technology, for adsorbing mineral oils and keeping food safe while simultaneously protecting aroma and taste.

Read more ➤ [Smurfit Kappa](#)

● Technological
● Product Development



Packaging Europe

Paptic: plastic-free and wood fibre-based packaging

This Finish startup has developed a new wood fiber packaging product with plastic like properties. Paptic has collaborated with Familon, a Finnish bedding brand, on the development of plastic-free and wood fibre-based packaging, that can be recycled in paper and cardboard streams, for its range of pillows and quilts. Additionally, the closure of the packaging is made with cardboard, making the solution completely plastic-free.

Read more ➤ [Packaging Europe](#)

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PACKAGING



Packaging Europe

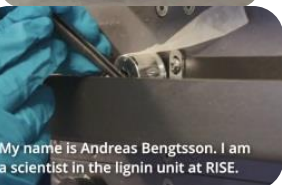
Pulpac: paper tube lids

Pulpac has developed for Scandicore, a leading manufacturer of cores and tubes for the manufacturing industry, paper tube lids made with PulPac's Dry Molded Fibre technology. One of Europe's online stores for art prints will be the first to offer their products in completely plastic-free and fibre-based packaging from Scandicore. The first art print deliveries featuring the new lid estimated to reach consumers in Spring 2022.

Read more ➤ [Packaging Europe](#)

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BIOREFINERY



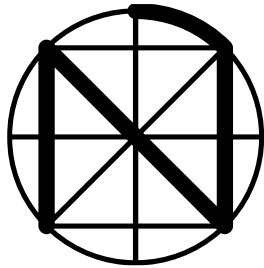
My name is Andreas Bengtsson. I am a scientist in the lignin unit at RISE.

LignoCity: digital visits

LignoCity is an open test facility for the development of lignin available to all companies looking to evaluate and verify new concepts for refining lignin, operated and owned by RISE, Research Institutes of Sweden. Thanks to digitization it is now possible to tour the plant in a virtual way.

Read more ➤ [LignoCity](#)

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