

RAIZ



Forest and Paper Research Institute

TECHNOLOGICAL
SCOUTING NEWSLETTER

July & August 2021

START-UP OF THE MONTH

innomost.

Innomost is a Finnish start-up developing, producing and selling active ingredients for the cosmetics and personal care industry from Finnish birch. Innomost's product portfolio includes betulin, suberin, birch charcoal powder and birch bark powder, used in different cosmetic product categories, including skincare, hair care, body care, decorative cosmetics and oral care. The Finnish skincare brand Lumene has already launched a couple of cleansing products with Innomost ingredients. This month Metsä Group's innovation company Metsä Spring Ltd has made an equity investment in Innomost. Metsä Group will support Innomost's path to commercial success supplying Metsä's industrial side stream, birch bark, as the raw material in making Innomost's products.

Read more ➤ [innomost](#) | [Metsä](#)



PACKAGING



Packaging Europe

Lecta: new paper-based solution for single-use cups

Lecta, a Spanish manufacturer of specialty paper for labels and flexible packaging, has developed EraCup Natural, a paper-based solution for single-use cups. It is based on a proprietary process that is both polyethylene and bioplastic free: the outer face is uncoated, with a smooth, natural finish for high-quality flexography and offset printing, and the inside is covered with a sealable aqueous dispersion for liquid-tight properties.

Read more ➤ [Packaging Europe](#)

● Technological
● Product Development



Pulpex

Pulpex: new collaborations with BASF and Solenis

Pulpex, already stated in previous TS Newsletters, is a new sustainable packaging technology company, which has developed a patented, “first of its kind” pulp packaging solution and process involving moldable pulp.

Now BASF has announced a new collaboration with Pulpex for developing a proprietary, food-grade barrier technologies for the eco-friendly Pulpex paper bottle.

Solenis is also joining forces with Pulpex for providing chemical solutions for the paper bottle which include surface treatments for enhancing its functional and visual properties.

Read more ➤ [BASF](#) | [Solenis](#)

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PACKAGING



Mondi

Mondi: new paper based pallet wrapping

Mondi has developed the patent pending Advantage StretchWrap, a new wrapping system for pallets using paper instead of plastic. It is a lightweight paper grade able to stretch and resist punctures, providing robust protection for goods during transit while being a fully recyclable pallet wrapping solution.

Read more > [Mondi](#)

● Technological
● Product Development



Procter & Gamble

Paboco: new partnership with Procter & Gamble

Previous TS Newsletters have been documenting several results by the joint venture Paboco, created for the development and scaling-up of the production of paper bottles. Now is Procter & Gamble announcing a partnership with Paboco and unveiling its first paper bottle for its brand Lenor. A pilot for Western Europe is expected in 2022, as a test and learn strategy to scale up paper packaging and incorporate it more widely across P&G's portfolio. Paboco will as well benefit from P&G knowledge on Fabric & Home Care applications.

Read more > [Procter & Gamble](#)

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PACKAGING



Paper Advance

Ahlstrom-Munksjö: new technologies for paper flexibility and water resistance

Ahlstrom-Munksjö presents EnduraFlex™ a technology for introducing stretch in crepe and extensible papers without compromising appearance or functionality. The extensible and crepe papers produced with the EnduraFlex™ technology have a wide range of end uses such as from construction materials to e-commerce and decorative packaging solutions.

The other innovation is HydroSize™: a sustainable alternative to traditional waterproof materials by providing enhanced water resistance within paper fibers and structure, preventing product saturation. The resulting papers are able to repel water and other liquids for long periods. Applications are foreseen for several different areas, including agriculture, gardening and various e-commerce packaging solutions such as cold chain insulated packaging.

Read more > [Paper Advance](#)

● Technological
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Huhtamaki

Huhtamaki: first paper-based blister solution

Huhtamaki has announced an innovation for the pharmaceutical and healthcare industry, the Push Tab® paper, the first paper-based tablet packaging. The Push Tab® paper tablet packaging has an advanced barrier coating technology for its sealability without compromising the safety, functionality, or protective properties compared to traditional mono Polyvinyl Chloride blisters. A special mechanical treatment allows consumers to push the tablet through easily without damaging the product inside.

Read more > [Huhtamaki](#)

● Technological
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PACKAGING



Paper Age

Klabin: Investing in a Barrier Coating Modernization Project

Klabin has announced that it is investing R\$40 million (around 6.5 million euros) in a dispersible barrier technology at its Monte Alegre paper mill in Paraná, Brazil, which will allow the on-site application of sustainable barrier coatings to the paperboard produced at the mill. The investment will provide technology and machine modernization for barrier properties for water, water vapor and grease. The move is also expected to expand Klabin' markets, including chilled/frozen foods (pizzas, nuggets, hamburgers, meat, fish, sausages), industrial foods (proteins, broth, cookies), detergent powder, paper cups and sophisticated solutions for liquid foods.

Read more > [Paper Age](#)

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Stora Enso

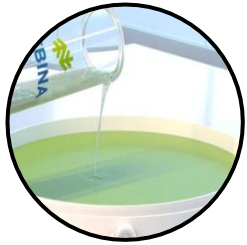
Stora Enso: Papira® the paper fiber-based cellulose foam

Stora Enso has announced branding as Papira® its paper fiber-based and fully paper-recyclable cellulose foam for protective and cushioning material in packaging. The foam was developed by the start-up Cellutech, later acquired by Stora Enso.

Read more > [Stora Enso](#)

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BIOREFINERY



Paper Advance

Norske Skog: new nano-cellulose product CEBINA

Norske Skog has developed its new nano-cellulose product CEBINA, CNF – cellulose nano fibrils or MFC - microfibrillated cellulose. CEBINA has applications in a diverse range of applications such as paint, glue, cosmetics and skin care products and armoring. The original goal of CEBINA was enhancing the strength and quality of paper and, in fact, the use of CEBINA made an impressive improvement in the quality of magazine papers. CEBINA is produced using kraft pulp from wood as raw material.

Read more > [Paper Advance](#)

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FOREST



Tissue Online

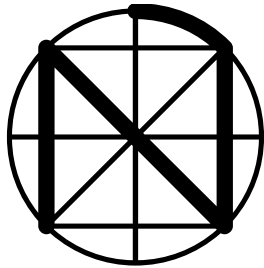
Veracel: forest management system in seedling nurseries

Veracel has recently implemented the Inflor Forest 8 forest management system, designed in a customized way, for further contribute to the digital transformation of the company's seedling nursery.

The tool will be used to control all data in the production of seedlings, providing even more agility in the analysis of information, greater process reliability and greater synergy between the areas involved in the forestry process. The system was created by Veracel's Information Technology team in partnership with forest management systems supplier Inflor.

Read more > [Tissue Online](#)

● Forest



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