



## Danone, Nestlé Waters and Origin Materials welcome PepsiCo to the NaturALL Bottle Alliance

### *R&D partnership to develop 100% bio-based bottles*

[September 10, 2018] - The NaturALL Bottle Alliance is a research consortium formed in 2017 by Danone, Nestlé Waters and bio-based materials development company Origin Materials to accelerate the development of innovative packaging solutions made with 100% sustainable and renewable resources. Today it announced that PepsiCo, Inc. has joined the Alliance to advance the shared goal of creating beverage containers with a significantly reduced carbon footprint.

The Alliance also provided a progress report in its goal of developing and launching a PET<sup>1</sup> plastic bottle made from bio-based material. Launched in March 2017, the Alliance uses biomass feedstocks, such as previously used cardboard and sawdust, so it does not divert resources or land from food production for human or animal consumption. The technology being explored by the Alliance represents a scientific breakthrough for the sector, and the Alliance aims to make it available to the entire food and beverage industry.

“Creating more sustainable packaging requires innovation through the value chain. Producing PET from sustainable bio-based sources that do not diminish food resources and are fully recyclable is a great example of such innovation and an important contributor to PepsiCo’s sustainable packaging program,” said **Mehmood Khan, PepsiCo Vice Chairman and Chief Scientific Officer**. “Through our Performance with Purpose agenda, PepsiCo is committed to reducing the carbon impact of packaging in line with our goal to reduce absolute emissions of greenhouse gases by 20% by 2030; bio-based PET has the potential to reduce significantly the carbon footprint of our PET bottles, a huge contribution to our efforts in this area. We are excited to add PepsiCo’s R&D capabilities to the Alliance and look forward to seeing what the combined efforts of the Alliance members can achieve.”

“PepsiCo is a welcome addition to the Alliance because we share the goal of making renewable plastic a reality,” declared **Origin Materials CEO John Bissell**. “Through the combined efforts of its members, the NaturALL Bottle Alliance is setting the bar for sustainability for an entire industry.”

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<sup>1</sup>PET – Polyethylene terephthalate is the most common plastic in polyester family and is used in fibers for clothing, containers for liquids and foods, thermoforming for manufacturing, and in combination with glass fiber for engineering resins. PET is also known as having one the most developed collection and recycling systems in the world, making it a key asset for the Circular Economy of plastics.

"We are very enthusiastic about PepsiCo joining the Alliance," commented **Frédéric Jouin, Head of Research and Development for plastic materials at Danone**. "By bringing together major players and pooling our complementary expertise and resources, we can make 100% renewable and recyclable PET plastic at commercial scale a reality. We also expect to see additional opportunities for this breakthrough technology."

"We are pleased to welcome PepsiCo into the NaturALL bottle Alliance. Their addition is further proof of the importance of this disruptive technology," said **Massimo Casella, Nestlé Waters' head of Research and Development**. "The Alliance has taken an important step in working together to tackle the challenges around plastic packaging. Developing 100% bio-based PET is one way Nestlé is working to use more materials from sustainably managed renewable resources."

### **Progress Report**

After producing samples of 80% bio-based PET at pilot scale in 2017, the Alliance has made further progress toward its goal of bringing its breakthrough technology to full commercial scale. It has notably selected a site in Sarnia, Ontario (Canada) (with the assistance of Bioindustrial Innovation Canada), and begun construction of its demonstration-scale plant. The major process equipment has been fabricated and modules are under construction for this plant, which is expected to have a capacity of 18,000 tons of biomass and be fully operational by 2020. Following that milestone, the Alliance plans to increase production to 95% bio-based PET and achieve full commercial-scale soon after. Alliance members plan to continue their joint R&D efforts to increase the level of bio-based content, with the ultimate objective of reaching 100%.

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### **About Danone**

Dedicated to bringing health through food to as many people as possible, Danone is a leading global food & beverage company built on four businesses: Essential Dairy and Plant-Based Products, Waters, Early Life Nutrition and Advanced Medical Nutrition. Danone aims to inspire healthier and more sustainable eating and drinking practices, in line with its vision -Danone, One Planet. One Health- which reflects a strong belief that the health of people and the health of the planet are interconnected. Building on health-focused categories, Danone commits to operating in an efficient and responsible manner to create and share sustainable value. Danone holds itself to the highest standards in doing business, as reflected by its ambition to become one of the first multinationals certified as B Corp. With products sold in over 120 markets, Danone generated sales of €24.7 billion in 2017. Danone's portfolio includes leading international brands (Actimel, Activia, Alpro, Aptamil, Danette, Danio, Danonino, evian, Nutricia, Nutrilon, Volvic, among others) as well as strong local and regional brands (including AQUA, Blédina, Bonafont, Cow & Gate, Horizon, Mizone, Oikos, Prostokvashino, Silk, Vega).

Listed on Euronext Paris and on the OTCQX market via an ADR (American Depositary Receipt) program, Danone is a component stock of leading social responsibility indexes including the Dow Jones Sustainability Indexes, Vigeo Eiris, the Ethibel Sustainability Index, MSCI Global Sustainability, MSCI Global SRI Indexes and the FTSE4Good Index.

For more information visit [www.danone.com](http://www.danone.com).

### **About Nestlé Waters**

Founded in 1992, Nestlé Waters is the water division of the Nestlé Group and the No. 1 bottled water company worldwide (sales of CHF 8.0 billion in 2017). Nestlé Waters employs more than 33,000 people worldwide. With over 93 production facilities situated in 33 countries around the world, Nestlé Waters has a unique portfolio of more than 50 brands including Nestlé Pure Life, Perrier, S. Pellegrino, Poland Spring, Vittel, Buxton, Erikli.

For more information visit [www.nestle-waters.com](http://www.nestle-waters.com).

### **About Origin Materials**

Origin Materials is bio-based materials development company, headquartered in California, with an office and plant under development in Ontario, Canada. Our bio-based technology produces building-block furanic intermediates from second generation, lignocellulosic raw materials. Furanic intermediates can be used to make a variety of products including polymers, surfactants, plasticizers, carbon blacks, activated carbon and more.

For more information visit [www.originmaterials.com](http://www.originmaterials.com) or contact [info@originmaterials.com](mailto:info@originmaterials.com).

### **About PepsiCo**

PepsiCo products are enjoyed by consumers more than one billion times a day in more than 200 countries and territories around the world. PepsiCo generated more than \$63 billion in net revenue in 2017, driven by a complementary food and beverage portfolio that includes Frito-Lay, Gatorade, Pepsi-Cola, Quaker and Tropicana. PepsiCo's product portfolio includes a wide range of enjoyable foods and beverages, including 22 brands that generate more than \$1 billion each in estimated annual retail sales.

At the heart of PepsiCo is Performance with Purpose – our fundamental belief that the success of our company is inextricably linked to the sustainability of the world around us. We believe that continuously improving the products we sell, operating responsibly to protect our planet and empowering people around the world enable PepsiCo to run a successful global company that creates long-term value for society and our shareholders.

For more information, visit [www.pepsico.com](http://www.pepsico.com).

## **PepsiCo Cautionary Statement**

Statements in this communication that are “forward-looking statements” are based on currently available information, operating plans and projections about future events and trends. Terminology such as “expect,” “goal,” “intend,” “will” or similar statements or variations of such words and other similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such terms. Forward-looking statements inherently involve risks and uncertainties that could cause actual results to differ materially from those predicted in such forward-looking statements. Such risks and uncertainties include, but are not limited to: changes in demand for PepsiCo’s products, as a result of changes in consumer preferences or otherwise; changes in, or failure to comply with, applicable laws and regulations; changes in laws related to packaging and disposal of PepsiCo’s products; increased costs, disruption of supply or shortages of raw materials and other supplies; climate change or water scarcity, or legal, regulatory or market measures to address climate change or water scarcity;; and other factors that may adversely affect the price of PepsiCo’s publicly traded securities and financial performance.

For additional information on these and other factors that could cause PepsiCo’s actual results to materially differ from those set forth herein, please see PepsiCo’s filings with the Securities and Exchange Commission, including its most recent annual report on Form 10-K and subsequent reports on Forms 10-Q and 8-K. Investors are cautioned not to place undue reliance on any such forward-looking statements, which speak only as of the date they are made. We undertake no obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise.

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