

Media Release

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Borealis unveils its new CO₂e emissions calculation tool Neoni at the K 2022

- **New digital tool is first in the industry to offer grade-specific calculations for polyolefins**
- **Neoni to contain cradle-to-gate CO₂e emissions data for over 500 Borealis grades produced in Europe**
- **EverMinds™ in practice: helping value chain partners make informed decisions to accelerate circularity**

Borealis announces the launch of Neoni, a new carbon dioxide equivalent (CO₂e) emissions calculator developed by the [Borealis Digital Studio](#). The digital tool is the first in the industry to offer CO₂e emissions data down to the grade level for polyolefins. Neoni – which will be showcased in its demo version at the K 2022 – will in the beginning contain calculations for approximately 500 Borealis polyolefins grades manufactured at Borealis locations in Europe. In line with the [EverMinds™](#) approach to accelerating circularity by way of value chain collaboration, Neoni will enable Borealis customers to make informed decisions on which materials can best meet their own circularity goals.

Digital tool Neoni heightens transparency of CO₂e emissions data

As the first industry tool to break down CO₂e emissions by product grade, Neoni unites the strategic key elements of digitalisation and circularity to provide more transparency to Borealis customers in the decision-making process. Created by the in-house Borealis Digital Studio based in Brussels, Belgium, Neoni is populated by data on hundreds of grades from Borealis portfolios, with additional commercial products being added in successive stages to the tool. Neoni thus presents CO₂e emissions for a wide range of materials, from virgin, fossil feedstock-based solutions, to renewable feedstock-based grades in the [Bornewables™](#) portfolio of circular polyolefins, but also among those in the [Borcycle™](#) portfolio of mechanically recycled polyolefins.

Neoni offers a partial carbon footprint of products from Life Cycle Assessments (LCA) in the form of cradle-to-gate CO₂e emissions¹. In other words, the calculation includes all CO₂e emissions incurred up to the moment the grade leaves Borealis facilities, whereby the tool will soon offer customers the option to calculate additional CO₂e emissions incurred from Borealis to their own operations, thus further enhancing its usefulness. Neoni will be rolled out towards the end of the year, at which time the number of Borealis grades contained in the tool will have reached over 500. In addition to polyolefins grades, data on hydrocarbons will also be added. The results from the tool will be accessible to individual customers on the MyBorealis platform.

“We are proud to be the first in our industry to design and launch an own CO₂e emissions calculation tool that enables our customers to differentiate among actual grades rather than averages for polymer types. Neoni is an innovative tool that helps identify which material solutions are most effective in supporting CO₂ reduction and circularity. We also encourage our customers to give us feedback on the tool so as to enhance its usefulness in future,” says Chris McArdle, Borealis Vice President Circular Economy Solutions & New Business Development.

“Providing greater transparency is key to accelerating plastics circularity. This is what we mean by re-inventing essentials for more sustainable living.”

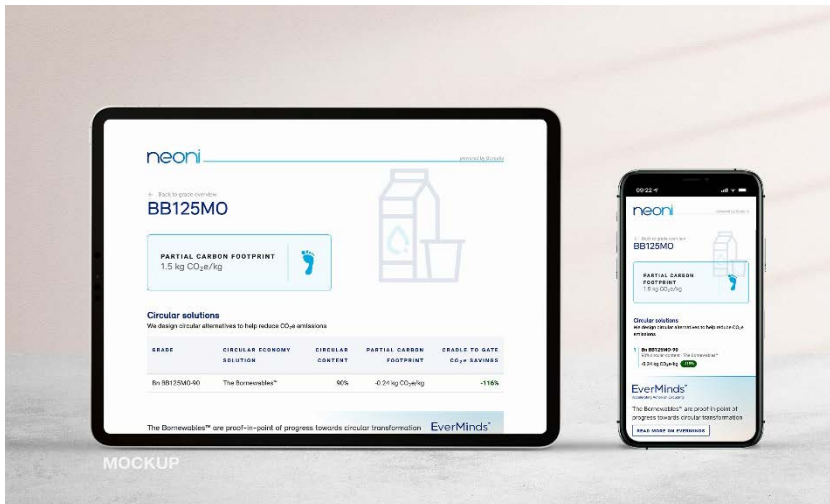


Image: Neoni – Borealis’ new CO2e emissions calculation tool for a more transparent and carbon neutral way
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For more information visit the Neoni methodology page [here](#).

K 2022 will take place from 19 to 26 October 2022 in Düsseldorf, Germany.

We invite you to “Innovate Collaborate Accelerate” together with us by visiting Borealis and Borouge in Hall 6 at Stand A43, where the new Neoni tool will be demonstrated.

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Borealis customers will receive information via MyBorealis and their key contact person at Borealis.

About Borealis

Borealis is one of the world's leading providers of advanced and sustainable polyolefin solutions and a European front-runner in polyolefins recycling. In Europe, we are a market leader in base chemicals and fertilizers. We leverage our polymer expertise and decades of experience to offer value adding, innovative and circular material solutions for key industries such as consumer products, energy, healthcare, infrastructure and mobility.

In re-inventing essentials for sustainable living, we build on our commitment to safety, our people, innovation and technology, and performance excellence. We are accelerating the transformation to a circular economy of polyolefins and expanding our geographical footprint to better serve our customers around the globe.

With head offices in Vienna, Austria, we employ 6,900 employees and operate in over 120 countries. In 2021, we generated total sales of EUR 12.342 billion and a net profit of EUR 1,396 million. OMV, the Austria-based international oil and gas company, owns 75% of our shares, while the remaining 25% is owned by a holding company of the Abu-Dhabi based Mubadala. We supply services and products to customers around the globe through Borealis and two important joint ventures: Borouge (with the Abu Dhabi National Oil Company, or ADNOC, based in UAE); and Baystar™ (with TotalEnergies, based in the US).

www.borealisgroup.com

About Borealis EverMinds

Launched in 2018, EverMinds™ is an umbrella brand uniting the wide range of Borealis activities and initiatives aimed at making plastics more circular. As a dedicated platform, EverMinds promotes a circular mind-set among all Borealis stakeholders. The platform encompasses proprietary Borealis technologies as well as established brands such as Purpolen™ and Dipolen™. It facilitates deeper collaboration between Borealis and its partners in order to develop innovative and sustainable polyolefins solutions based on the circular model of recycling, re-use and design for circularity. EverMinds also extends to pioneering corporate programmes such as Project STOP, and engagement in industry initiatives like the Polyolefins Circular Economy Platform (PCEP), and Project CEFLEX.

www.borealiseverminds.com

¹ Borealis employs the definition of **carbon dioxide equivalent (CO₂e)** offered by Eurostat, namely “a metric measure used to compare the emissions from various greenhouse gases on the basis of their global-warming potential (GWP), by converting amounts of other gases to the equivalent amount of carbon dioxide with the same global warming potential.”

Borcycle, Bornewables and EverMinds, are trademarks of Borealis AG.