

Upcoming launch of PIQET 5.0: A revolutionary ISO 14044-compliant sustainable packaging tool

March 2024 – PIQET (Packaging Impact Quick Evaluation Tool), a leading sustainable packaging assessment solutions provider, has announced the upcoming launch of PIQET 5.0. This groundbreaking update will set a new industry benchmark for streamlined environmental impact calculators.

Originally developed in 2008 by Sustainable Packaging Alliance in partnership with Nestlé Australia, Cadbury Schweppes, Lion Nathan, MasterFoods Australia New Zealand, Simplot Australia and other research partners, PIQET was one of the pioneering LCA tools for assessing the cradle-to-grave impact of packaging. Currently, under the ownership and operation of Lifecycles, esteemed LCA specialists based in Australia, PIQET perseveres in its mission to democratize streamlined Life Cycle Assessment (LCA) for participants across the packaging sector. This commitment involves facilitating hotspot identification within the supply chain, enabling the comparison of various packaging scenarios, monitoring environmental benefits over time, and supporting informed sustainability decision-making.

With innovative features and benefits, PIQET 5.0 aims to take this mission further by introducing its highly anticipated ISO 14044* compliant reporting functionality. This feature will allow companies to conduct packaging assessments in line with the internationally recognized standard for LCA. This not only simplifies the reporting process but enhances accuracy and credibility for all users, which has become increasingly vital given the global regulatory development.

Notably, PIQET 5.0 promotes organization-wide sustainability goals with its dedicated Organizational packaging footprint page. This section combines PIQET project logs with the organization's internal product data, enabling the tracking and monitoring of carbon footprint improvements over time. This functionality empowers packaging specialists to identify impactful packaging design strategies, considering both sustainability and business perspectives.

In response to the increasing complexity of materials and advanced recycling systems globally, PIQET 5.0 introduces several key updates, which include:

- **Material certification:** PIQET 5.0 provides the flexibility to evaluate components with material certifications, including carbon neutrality, forest stewardship, plus other alternative certifications tailored to individual company requirements.

- **Advanced recycling functionality:** Users can now determine the recyclability of each material, gaining valuable insights into sustainable packaging options.
- **New environmental indicators:** aligned with environmental goals, PIQET 5.0 introduces indicators, such as weighted Product Environmental Footprint (PEF) with and without toxicity, and other metrics related to LCA, material and circular economy, and packaging-specific factors. These will provide PIQET users with a full picture of their products and packaging environmental impacts.

PIQET 5.0 is poised to revolutionize the way businesses approach sustainable packaging analysis, offering a comprehensive and ISO-compliant solution to reaching sustainability targets. With cutting-edge features, reporting functionalities, Organizational packaging footprint and expert LCA support, PIQET 5.0 empowers companies to make informed decisions in line with their sustainability goals.

*ISO 14044 is an international standard that sets requirements and guidelines for life cycle assessments (LCAs), outlining expectations for third-party critical reviews. Third-party verified products or services gain credibility and market access.

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About PIQET:

Owned and operated by Lifecycles, PIQET (Packaging Impact Quick Evaluation Tool) is a comprehensive LCA tool for optimizing and comparing the environmental footprint of packaging. Designed to be intuitive and easy to use, leading material suppliers, packaging companies and brand owners across the world use PIQET to complete their own rapid LCA for both internal decision-making and external verification.

PIQET was originally developed in 2008 by RMIT's Centre for Design, Birubi Innovation and Victoria University's Polymer Research Unit, in conjunction with Cadbury Schweppes, Lion Nathan, Nestlé Australia, MasterFoods Australia and Simplot Australia. Funding support was also provided for its development by Sustainability Victoria and the federal Department of the Environment and Water Resources and the Department of Communications, Information Technology and the Arts.

www.piqet.com

About Lifecycles:

Lifecycles was founded by Tim Grant, in 2003 and is Australia's most experienced provider of circular economy and sustainability research, consulting, tool development, emission factors and training. The team of scientists provide quantification and metrics to inform sustainability decision making, from the micro level of design and material selection through to the macro level of policy development and strategic interventions.

www.lifecycles.com.au