



ChaDan

the home compostable tea egg





TRANSFORMING THE WORLD OF TEA

At Reco2Bio, we're redefining tea drinking with our innovative home-compostable tea egg: ChaDan. A simple yet powerful alternative to traditional tea bags and single-use filters.

Our mission is to offer a truly circular tea experience — good for people and for the planet. We're looking for tea brands and investors to collaborate and scale ChaDan with us, inspiring customers with each cup.

WHY WE NEED CHADAN

Drinking tea is an indispensable part of many cultures around the world, and the second-most used beverage after water. Estimates amount to 3 billion cups of tea drank per day worldwide and an annual production of 6.604 million metric tonnes (2023, International Tea Committee (ITC)). Most popular are black and green tea, but herbal infusions and specialty tea experiences and pairings are growing in importance.

However, many tea consumers unknowingly contribute to pollution. Most pre-packed tea bags may seem biodegradable at first, but in fact leak microplastics into the environment, with harmful effects for the environment and our own health. Moreover, when loose tea is used, it often ends up in general waste rather than the compost and causes unnecessary methane emissions.

STRONG AND BIODEGRADABLE

Therefore, we introduce ChaDan. An elegant tea egg made from bagasse, a byproduct of sugarcane processing. It is already available as a source and fully biodegradable, so when using bagasse instead of plastic we reduce our reliance on fossil fuels, we reduce waste, and we reduce our carbon footprint.

Bagasse is regularly used for one-time disposables such as plates, but in the case of ChaDan there were specific challenges: the taste and quality of the tea may not be impacted, and the tea egg itself should maintain its strength while brewing – even multiple times. Bagasse is often combined with PFAS for strength and durability, but with new insights on health impacts that's not an option. During our product development, we designed a quality tea egg combining bagasse with natural, bio-based materials to ensure strength without the harmful health impact.

LEGALLY FUTURE-PROOF

Obviously, all the legislative requirements for food safety were taken into account, as well as the requirements of European bioplastics norm EN13432. Even better: ChaDan is specifically designed to be biodegradable in the home compost, by consumers themselves. No industrial facilities needed.

This innovation was already declared a laureate of the European Value4Pack competition by an international jury at the end of 2024 and will compete for the European BioPlastics Innovation Award in December 2025.

Rather than contributing to general waste, it now decomposes naturally and even enriches the soil. ChaDan is a beautiful case of circular economy: using agricultural byproducts as a source instead of a waste. From grounds to growth - enriching the soil with our innovative packaging.

RELIABLE PRODUCTION

At this point, ChaDan is fully designed, technically developed, prototyped and extensively tested. With our 35 years in the packaging industry, we have long standing, trusted partners for both the material sourcing and the production itself.

We are ready to scale ChaDan and inspire customers. We're actively looking for new partners in this innovation: quality tea brands who want to offer ChaDan to their customers and impact-driven investors who help make the tea experience of the future a reality.



JOIN US

TEA BRANDS

Sustainable packaging is critical for the circular economy but just as important to the consumer. Consumers are prioritizing those products that are sustainable, transparent and aligned with their core values to make their decisions.

Make impact and tell your story by offering your quality tea with ChaDan. Tea is more than just a drink, with ChaDan it becomes a moment where consciousness and ritual meet sustainability and ease. No glue, no staples, no synthetic coatings, no microplastics. Made from renewable sugar cane fibers, reusable and 100% home compostable.

Watch our video of ChaDan at www.reco2bio.eu and see how people will experience the taste and elegance of your tea.

INVESTORS

Shaping a circular economy is more than a buzzword. It's the sum of all our actions, small and big. It's the way in which we dare to take the lead with new innovations and the way in which we compost our tea on a daily basis. Both matter.

With your backing, we can make ChaDan the go-to tea egg for quality tea brands, fine restaurants and aware consumers willing to set standards for the future. A fine tea experience *and* an investment with direct impact on our need for industrial waste processing.

Watch our video of ChaDan at www.reco2bio.eu and see how your investment will expand the possibilities of tea.

ABOUT US

WELCOME TO THE WORLD OF CIRCULAR PACKAGING

With over 35 years of experience, Reco2Bio is your consultant in the transition to sustainable packaging of your products. Whether you are a smaller organisation or a large industrial player, we offer tailor-made project guidance from A to Z.

Our mission is to build true innovation. No short-term solutions, but deep collaborations that have an actual, measurable environmental impact and aim for the long run. No greenwashing, but fair packaging based on internationally recognized labels and certificates.

True sustainability is more than a buzzword, it comes from innovative players who combine vision with action and make this circular economy a reality.



OUR EXPERTISE

- General Manager & Founding Director of Reco2Bio Comm.V..
- President of honour of Belgian BioPackaging Association
- Member of the advisory Board of FOST+ (Belgian green dot / recycling fee association /efficient packaging /sustainable management)
- Member of BON-Europe (Bioplastics Organisation Network)
- Stakeholder at OVAM working groups
- Counselor sustainable packaging at the University of Ghent and Hasselt

RECYCLABLE - COMPOSTABLE - CO₂ NEUTRAL - BIODEGRADABLE



CONTACT

www.reco2bio.eu

dirk.wens@reco2bio.eu

+32 472 619 327



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