



## **Carbios will receive grants totaling €54 million from French State via France 2030 and Grand-Est Region<sup>1</sup> to finance construction of world's first PET biorecycling plant and accelerate R&D activities**

- €11.4 million granted in funding from the French State via France 2030 for Carbios and its research partners to accelerate R&D and innovation work on its unique enzymatic technologies
- Carbios selected for €30 million in funding from the French State via France 2030 and €12.5 million from the Grand-Est Region, subject to ratification by the European Commission, for the construction of Carbios' first industrial plant in Longlaville (54).

**Clermont-Ferrand, France, 31 May 2023 (18:30 CET).** Carbios (Euronext Growth Paris: ALCRB), a pioneer in the development and industrialization of biological technologies for reinventing the life cycle of plastics and textiles, announces that its project has been selected by the French State for funding of **€30 million from the French State as part of the investment plan France 2030**, and **€12.5 million from the Grand-Est Region**. The implementation of this funding is conditional to the European Commission's approval of the corresponding state aid scheme, followed by the conclusion of national aid agreements. As part of the national call for projects on "Plastics Recycling" operated by ADEME<sup>2</sup>, Carbios' project to finalize the industrialization of its unique PET biorecycling process has been selected. The reference plant in Longlaville in the Grand-Est region will be the world's first PET biorecycling plant and is due for commissioning in 2025. This plant will make it possible to relocate to France the production of the two basic components of PET, PTA and MEG<sup>3</sup>, both derived from the Carbios process.

Carbios also announces that it has been granted total funding of **€11.4 million from the French State as part of France 2030, of which €8.2 million directly for Carbios** (€5 million in repayable advances) and **€3.2 million for its academic partners** INRAE<sup>4</sup>, INSA<sup>5</sup> and CNRS<sup>6</sup> via the TWB<sup>7</sup> and TBI<sup>8</sup> joint service and research units. This funding will enable to continue its research into the optimization and continuous improvement of Carbios' enzymatic technologies.

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<sup>1</sup> The implementation of this funding for €42.5 million is conditional to the European Commission's approval of the corresponding state aid scheme, followed by the conclusion of national aid agreements.

<sup>2</sup> The French Agency for Ecological Transition

<sup>3</sup> PTA = purified terephthalic acid; MEG = monoethylene glycol

<sup>4</sup> French National Research Institute for Agriculture, Food and the Environment

<sup>5</sup> French National Institute of Applied Sciences

<sup>6</sup> French National Center for Scientific Research

<sup>7</sup> Toulouse White Biotechnology - UMS INRAE 1337 / UAR CNRS 3582

<sup>8</sup> Toulouse Biotechnology Institute - UMR INSA/CNRS 5504 / UMR INSA/INRAE 792

**Christophe Béchu, French Minister for Ecological Transition and Territorial Cohesion :** *"Fighting plastic pollution is a global emergency that requires a drastic reduction in its use, but also an increase in its recycling. For many years, French public and private research teams have been working together to develop a new enzymatic recycling technology. By supporting the construction of Carbios' first biorecycling plant in the world, France is proving that Carbios' technology has now become an industrial reality, making it possible to recycle waste that was previously difficult to recycle."*

**Roland Lescure, French Minister for Industry:** *"I'm delighted to be able to announce, at the opening of the World Plastics Conference, the French State's support of nearly €54 million for Carbios' innovative enzymatic plastic recycling projects. The construction in France in 2023 of the world's first enzymatic plastic recycling plant is an important step towards building a fully circular plastic economy, one of the greatest environmental challenges of the next two decades. This project shows just how much the ecological transition is also an opportunity for the green reindustrialization of our country."*

**Bruno Bonnell, Secretary General for Investment FRANCE 2030:** *"France 2030's support is twofold: to provide France with an innovative plastics processing solution, and to position Carbios' business model, based on license sales, at an international level. Carbios is a company whose development has been progressive, from public research, through the creation of a start-up, to the industrialization of a technological process. This is a continuum that France 2030 supports in particular, and Carbios is an excellent showcase."*

**Franck Leroy, President of Grand-Est Region:** *"I'm very grateful to Emmanuel Ladent and the Carbios teams for choosing the Grand-Est Region to set up their world's first 100% biorecycled PET plant. By supporting this project, the Region is actively contributing to preserve the environment, while creating new jobs and added value in the Grand-Est. This is also excellent news for Longlaville, and I'd like to pay tribute to both its Mayor and the President of the Metropolitan area. They have spared no effort, with the constant support of the French State and ADEME, to make this plant a reality. The Carbios reference plant is fully in line with the ambition of the Grand-Est region to become a leader in the PET circular economy. This project represents a further milestone in the construction of our ecosystem."*

The plant will secure the sales of the first volumes of recycled PET produced with Carbios' technology, and to offer its partners recycled PET of the same quality as virgin PET. Once the necessary permits have been obtained, which should be granted by the end of 2023, in line with the announced start of construction before the end of the year, the plant is scheduled to be commissioned in 2025. This will be followed by a period of ramp-up to full capacity. The plant will have a nominal processing capacity of 50,000 tonnes of PET waste per year, equivalent to 2 billion bottles or 2.5 billion food trays.

**Emmanuel Ladent, Chief Executive Officer of Carbios:** *"Thanks to the French State's previous support, we were able to demonstrate the economic and environmental competitiveness of our technology at the industrial demonstrator scale in Clermont-Ferrand. The renewed support from ADEME and that of the Grand-Est Region are crucial for this new industrial step which marks the start of our international deployment. Our first plant will be the global showcase for our PET biorecycling technology, and we are very proud that it is located in France. I would like to thank the Carbios Board of Directors, and in particular its Chairman Philippe Pouletty, for his decisive role in bringing this first plant to fruition."*

Selection for funding by the French State through France 2030 and the Grand-Est Region complements the recent announcement of an exclusive, long-term partnership with Novozymes<sup>9</sup>, the world leader in enzyme production, one of the main aims is to ensure the supply of enzymes to Carbios' Longlaville plant and future licensed plants. In addition, Carbios recently secured a first supply source for its future plant by winning part of the CITEO tender for the biorecycling of multilayer trays<sup>10</sup>.

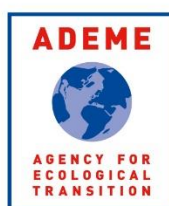
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<sup>9</sup> Cf. [press release dated 12 January 2023](#)

<sup>10</sup> Cf. [press release published by Citeo dated 26 April 2023](#)

Funded by

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France 2030 is an investment plan on an unprecedented scale. €54 billion will be invested to ensure that companies, universities and research organizations are in a position to respond competitively to the ecological and attractiveness challenges of the world ahead, and to foster the emergence of future leaders in our sectors of excellence, particularly in the field of ecological transition. From fundamental research, to the emergence of an idea, to the production of a new product or service, France 2030 supports the entire life cycle of innovation, right through to industrialization.

#### About Carbios:

Carbios is a biotech company developing and industrializing biological solutions to reinvent the life cycle of plastic and textiles. Inspired by nature, Carbios develops enzyme-based processes to break down plastic with a mission to avoid plastic and textile pollution, and accelerate the transition to a circular economy. Its two disruptive technologies for the biorecycling of PET and the biodegradation of PLA are reaching industrial and commercial scale. Its biorecycling demonstration plant has been operational since 2021 and a first-of-a-kind reference unit, in partnership with Indorama Ventures, is due to be commissioned in 2025. Carbios has received scientific recognition, notably with the cover of Nature, and is supported by prestigious brands in the cosmetics, Food & Beverage and apparel industries to enhance their products' recyclability and circularity. Nestlé Waters, PepsiCo and Suntory Beverage & Food Europe are members of a packaging consortium founded by Carbios and L'Oréal. On, Patagonia, PUMA, PVH Corp. and Salomon collaborate with Carbios in a textile consortium.

Visit [www.carbios.com/en](http://www.carbios.com/en) to find out more about biotechnology powering plastic and textile circularity.

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#### Information on Carbios shares:



**ISIN Code**  
**Ticker Code**  
**LEI:**

FR0011648716  
Euronext Growth: ALCRB  
969500M2RCIWO4NO5F08

Carbios, founded in 2011 by Truffle Capital, is eligible for the PEA-PME, a government program allowing French residents investing in SMEs to benefit from income tax rebates.

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**For additional information, please contact:**

**CARBIOS**  
**Melissa Flauraud**  
Press Relations  
[melissa.flauraud@carbios.com](mailto:melissa.flauraud@carbios.com)  
+33 (0)6 30 26 50 04  
**Benjamin Audebert**  
Investor Relations  
[contact@carbios.com](mailto:contact@carbios.com)  
+33 (0)4 73 86 51 76

**Press Relations (France)**  
**Iconic**  
Marie-Virginie Klein  
[mvk@iconic-conseil.com](mailto:mvk@iconic-conseil.com)  
+33 (0)1 44 14 99 96

**Press Relations (U.S.)**  
**Rooney Partners**  
Kate L. Barrette  
[kbarrette@rooneyco.com](mailto:kbarrette@rooneyco.com)  
+1 212 223 0561

**Press Relations (DACH & UK)**  
**MC Services**  
Anne Hennecke  
[carbios@mc-services.eu](mailto:carbios@mc-services.eu)  
+49 (0)211 529 252 22

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