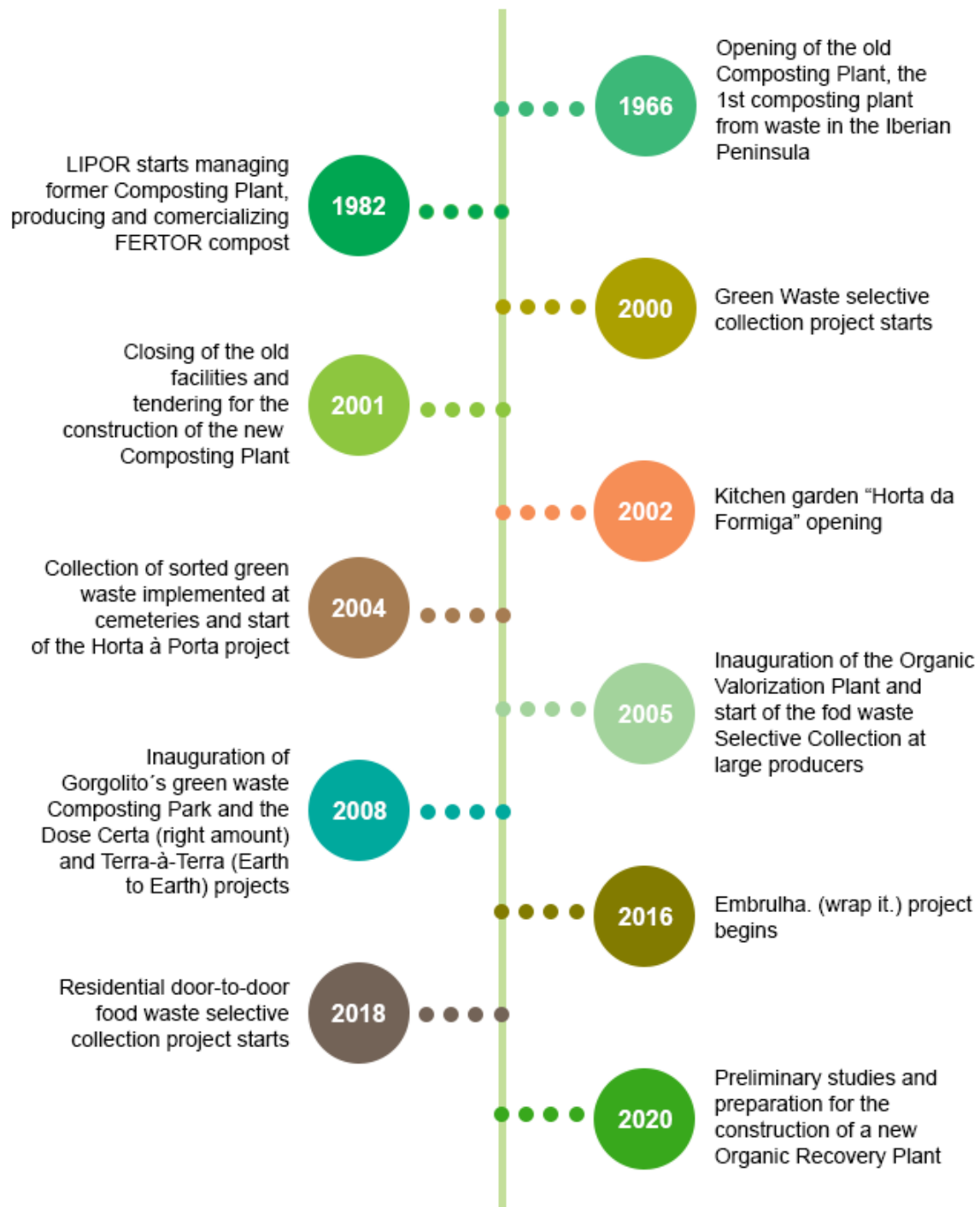


## The Evolution of Biowaste Recovery at LIPOR

### Evolution of LIPOR's Biowaste valorization



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### **A path with over thirty-five years of experience.**

Since its foundation, LIPOR has been a pioneering institute and a benchmark for the recovery of Biowaste in Portugal. This pillar is one of the main components in LIPOR's integrated waste policy, and since its foundation in 1982, has used this fraction to produce Compost.

When it was formed, LIPOR acquired the former Composting Plant, which had been operating since 1966. This unit recovered the organic fraction present in Municipal Waste, processing over 200 tons of unsorted waste daily. The composting process was carried out in the open, through piles with mechanical tillage to ensure ventilation. The product of this unit was the compound FERTOR. The former composting plant was closed in 2001.

The Composting Plant opened in 2005 and since then, has recovered, through the process of tunnel composting, food waste and green waste from separate collection circuits. The product of this unit is the high-quality compound NUTRIMAIS.

In addition to the work carried out at the Composting Plant and in the associated separate collection projects, LIPOR has been investing in the prevention of food waste and in the treatment of biowaste. Preventing food waste has been the focus of the Dose Certa (Right Amount) and Embrulha (Box it) projects (since 2008 and 2016 respectively), whilst the treatment of biowaste has been carried out in the Terra-à-Terra (Give Back to the Earth) project since 2008, which aims to promote home and community composting, and in the Gorgolite Green Waste Composting Park (since 2008).

The recognition of Biowaste as an important resource that can be recovered is reflected in important European and National strategies (Circular Economy Action Plan, European Green Deal, National Waste Management Plan, PERSU 2020+, Roadmap for Carbon Neutrality 2050, National Strategy to Combat Food Waste). Recently, the European Union has made the separation and recycling of Biowaste compulsory, as well as its separate collection, by 31 December 2023.

LIPOR has been expanding its activity to biowaste by developing an integrated and circular approach that uses international guidelines as a benchmark and is articulated with the measures proposed in the national strategic documents. The Prevention of Food Waste and

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the Treatment of Biowaste are favored in this approach, with the Box It, Right Amount and Give Back to the Earth projects currently being expanded. The Separate Collection of residential food waste projects is also being expanded, as is the separate collection of green waste.

The construction project of a new Anaerobic Digestion Unit for recovering Biowaste is currently in development, which will increase the treatment capacity of the current Composting Plant.