

What is LIFE EGGSHELLENCE?

The LIFE EGGSHELLENCE aims to promote **circular economy** by establishing a process of **industrial symbiosis** between two very different sectors: the **food sector**, represented by **egg processing** companies, and the **ceramic sector**, represented by **spray-dried powder** and **ceramic tile manufacturers**.

LIFE EGGSHELLENCE is a European project funded by the European Commission through the LIFE program.



Who is who in LIFE EGGSHELLENCE?

COORDINATING ENTITY



ITC-AICE, Institute of Ceramic Technology
www.itc.uji.es

PARTNERS



MAINCER, S.L.
www.maincer.es



AGOTZAINA, S.L.
www.bekoetxe.com



EUROATOMIZADO, S.A.
grupoeuroatomizado.com



ADELINO DUARTE DA MOTA S.A. (ADM)
mota-sc.com



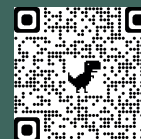
Universidade de Aveiro (UA)
www.ua.pt



LIFE EGGSHELLENCE:
Industrial symbiosis
between egg processing
companies and ceramic
companies



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www.lifeeggshellence.eu

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How do we achieve industrial symbiosis between egg processing companies and ceramic companies?

We do so by valorizing a waste from egg processing companies, the **eggshell**. This waste will be processed into a secondary raw material (bio-CaCO₃), which will be used in the manufacturing of ceramic tiles. This is one more step towards the change to a **circular economy**.



Who benefits from LIFE EGGSHELLENCE and why?

LIFE EGGSHELLENCE firstly benefits **egg-processing companies**, since they are currently generating large quantities of eggshells (up to 150,000 tons per year in Europe), most of which are destined for **landfills**.



We expect to be able to **reduce** up to **90%** of the eggshells deposited in landfills.



This will substantially reduce **environmental impact** and bring **economic benefits** by reducing the cost of landfilling.

LIFE EGGSHELLENCE also benefits the Spanish and Portuguese **ceramic industry** and, in the future, the European ceramic industry.



The ceramic sector consumes 300,000 tons of CaCO₃ annually.



The **ceramic industry** could **absorb** in both countries –and at the European level– the **totality** of **eggshells** produced by egg processing companies.



Companies will reduce **environmental impact** by replacing mineral CaCO₃ with bio-CaCO₃.

And it also benefits society and the environment.



It will **reduce the volume of eggshell landfilling**, which sometimes generates unwanted odors as well as germs and bacteria proliferation.



It will **considerably reduce the extraction of natural raw materials**.

