LAUREATES SPOTLIGHT | France

Circul'Egg

From egg-breaking waste to a high-value natural ingredient

The thin membrane left inside eggshells at egg-breaking plants becomes **Reggenerate®**, a natural source of collagen, elastin and hyaluronic acid for nutraceutical, cosmetic and pet-food uses. It is obtained through a fully mechanical, solvent-free process.



THE CHALLENGE

~30,000 t of eggshells a year spared from incineration and landfill.

WITH GRAPPA SUPPORT: THREE STEPS TOWARDS INDUSTRIAL SCALE

Automated feeding

<20%

of operator time spent on manual handling.

Ultrasonic grinding at scale

20–50 kg/h

Up from 1 kg/h.

Pre-drying protocol, validated

Premium

A path to cosmetic-grade purity.

NEXT STEP

Taking the industrial line to TRL 8/9



Funded by the European Union

GRAPPA is funded by the European Union under the Single Market Programme (SMP-COSME). Grant Agreement No. 101235085. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or EISMEA. Neither the European Union nor the granting authority can be held responsible for them.