



OPTI-CHAUX 2

Development of a pre-industrial prototype for sewage sludge liming

BUDGET

€593 K

GRANTS
OBTAINED

€251 K

ANR FUNDING

2012 - 2014

THE PROJECT

Annually France produces 1.1 million tonnes of dry matter from sewage sludge, 60% of which is treated with lime and used in agriculture. The blending with lime is often roughly done and insufficiently stable: frequently too much lime is used, leading to excess costs. With a view to optimising lime dispersion and achieving a homogeneous blend whilst reducing the quantities used, the Opti-Chaux project aims to develop a mixer based on the co-rotary twin-screw extruder principle.

The demonstration model will be mobile so as to allow objective in situ comparisons, using the sludge and lime from the waste water treatment stations. To arrive at this finalised tool, which will be transferable to a manufacturer, the project will involve a succession of steps, from the simplification of the extruder through to the development of the demonstrator and including the drawing up of a set of specifications and the building and optimisation of a prototype.

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PROJECT SPONSOR

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