

**BLUE AGRO**  
B I O S C I E N C E

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Una empresa  **DFGRUPO**

**Bio**filt



**Gobierno de Navarra**  **Nafarroako Gobernua**

Eskualde Garapenerako Europako Funtsa:  
*"Europa egiteko modu bat"*  
European Regional Development Fund:  
*"A way to make Europe"*



Europar Batasuna  
European Union

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**DEVELOPMENT OF BIOLOGICAL FILTERS  
FOR SLURRY-PHASE BIOREMEDIATION**  
**Dossier Code: 0011-1365-2019-000146**

Slurry produced on livestock farms remains one of the greatest environmental problems for which a sustainable solution has not yet been successfully developed. The main application of slurry is its on-site valorisation. This slurry management brings with it significant environmental problems involving the pollution of groundwater by nitrogen leaching, among others. There are other alternatives for slurry management, such as energy recovery for biogas. This strategy requires expensive investments and high management costs that most farms cannot afford.

Given that the agricultural and livestock production required to feed the 7.55 billion people already takes up 43% of the available land and that the share will have to increase in order to serve a total of 9.8 billion people by 2050, new sustainable and environment-friendly production strategies must be developed.

In light of this situation, the project aims to improve livestock efficiency by developing suitable BIOFILTERS to reduce the overall volume of liquid slurry produced on farms. This new strategy aims to obtain a suitable solution for comprehensive slurry management with utmost effectiveness and efficiency for livestock and for new environmental requirements.

This project involves the companies Blue Agro Bioscience and Agolab Analítica, both located in Navarre and leaders in the development of new technologies for application in Agriculture and Livestock.

