

# LIFE Smart Fertirrigation



## Integrated pig manure digestate processing for direct injection of organic liquid fertilizer into irrigation systems



**Increase the recycling of natural resources in digestate:** an innovative treatment is applied to recover the natural nutrients in the liquid fraction of pig digestate for direct injection in irrigation systems.



**Reduce the amount of phosphorous in the digestate:** Trials with new phytase enzymes are carried out to significantly lower the levels of phosphorous in pig slurry, avoiding eutrophication.



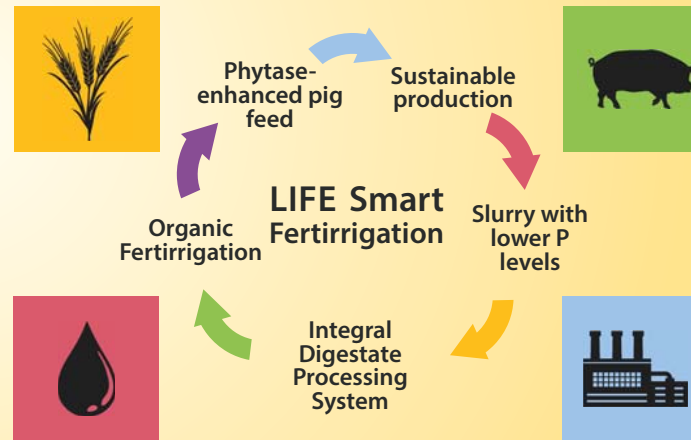
**Substitute the use of mineral fertilizers with natural liquid and solid fertilizers from digestate:** GHG emissions from digestate are reduced and soil acidification is prevented.



**Maximize agricultural production in a sustainable way:** Costs savings for farmers is increased and a new source of income for biogas plants is created.



Towards on a circular economy model:



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